SHEET INDEX

CONTENTS	PRIOR TO ISSUE 6E	SHEET NO.	SHEET ISSUE NO.
SHEET INDEX-SUPPORTING INFORMATION	A1	A1	8
SHEET NUMBER CANCELED ON DWG ISS 5B	A#1		
DESIGNATION MNEMONICS INDEX	A#2	A2	6
	A#3	A3	6
APPARATUS INDEX LEAD INDEX	A#4	A4	6
	B#1AA	B1AA	6
	B#1AB	B1AB	6
	B#1AC	B1AC	6
	B#1AD	B1AD	6
	B#1AE	B1AE	6
	B#1AF	B1AF	8
		B1AG	8
	B#1AG	B1AH	6
		B1AJ	6
	B#1AH	B1AK	6
	B#1AJ	B1AL	6
	B#1AK	B1AM	6
	B#1AL	B1AN	6
FS 1 MODULE MESSAGE PROCESSORS	B#1CA	B1CA	6
	B#1CB	B1CB	6
	B#1CC	B1CC	6
	B#1CD	B1CD	6
	B#1CE	B1CE	6
	B#1CF	B1CF	6
	B#1CG	B1CG	6
	B#1CH	B1CH	6
	B#1CJ	B1CJ	8
	B#1CK	B1CK	8
	B#1CL	B1CL	6
	B#1CM	B1CM	6
	B#1CN	B1CN	6
	B#1CP	B1CP	6
	B#1CR	B1CR	6
	B#1CT	B1CT	6
SHEET NUMBER CANCELED ON DWG ISS 6B	B#1CU	B1CU	

CONTENTS	PRIOR TO ISSUE 6B	SHEET NO.	SHEET ISSUE NO.
	B#2AA	B2AA	6
FS 2 POWER			
	B#2CA	B2CA	6
APP FIG. 1	C#1	C1	6
APP FIG. 2,3,4,5,6,7,8	C#2	C2	6
APP FIG. 9.10.11.12.13.14	C#3	C3	8
CIRCUIT NOTES EQUIPMENT NOTES	D1	D1	7
INFORMATION NOTES	D#1	D2	8
	D#2	D3	8

CONTENTS	PRIOR TO ISSUE 6B	SHEET NO.	SHEET ISSUE NO.
CAD NOTES	GB1	GB1	6
CAD 1 - UNIT SYMBOL	GB2	GB2	6
CAD 002,003,004,005,006, P/O 007	GB3	GB3	6
P/O CAD 007,008,009,010, 011,012,013,014	GB4	GB4	6
P/O CAD 015	GB5	GB5	6
P/O CAD 015, P/O CAD 016	GB6	GB6	6
P/O CAD 016	GB7	GB7	6
P/O CAD 016, P/O 017	GB8	GB8	6
P/O CAD 017, CAD 018, 019	GB9	GB9	6

OPTION INDEX

APP OR NRG	RATED ON ISSUE	REF NOTES	LOCATION
3	STD 1	305	APP FIG. 3
6	STD 1		APP FIG. 6
13	STD 1	305	APP FIG. 13
14	STD 5B	302	APP FIG. 14
Z	STD 4AC	301.311	1/1.5.9.13, CAD 005
Y	STD 4AC	301. 311	1/1.5.9.13, CAD 004,005
V	DA 8B		1/2.6.10.14
U	STD 4AC		1/2.6.10.14
T	DA 8B		1/1.5.9.13
S	DA 9B	313	1/1.5.9.13
R	STD 5B	313	1/1.5.9.13
Q	STD 6B	302	1/9.1/11
M	AVAIL 8B	302	APP FIG. 14
N	AVAIL 8B	302	APP FIG. 14

DWG ISSUE	CD ISSUE	DATE ISSUED	CHANGED	APPD
1	1	2-25-83		
2A	2	8-14-84		
3D	2	8-14-84		
4AC	2	8-14-84		
5B	2 APPX 1B	6-14-85		
6B	2 APPX 2B	8-17-90		
7AC	2 APPX 3AC	11-02-90		
8B	2 APPX 4B	5-7-93		

USED ON

FRAME	PROJECT	CONT
SD-5D116-01	MESSAGE SWITCH CABINET	IH

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWING	J50006AD-1

B11B

5ESS® SWITCHING EQUIPMENT
MESSAGE SWITCH PERIPHERAL UNIT CIRCUIT

DWG SIZE 63 | ISSUE 8B

AT&T | SD-5D136-01 | SHEET A1 OF 30

DESIGNATION MNEMONICS INDEX

MNEMONIC	FS/SYM	DEFINITION
+5PWR01	1/1	PLUS FIVE VOLTS POWER
-48PWR	2/1	MINUS 48 VOLTS FEED
-48RTN	2/1	MINUS 48 VOLTS RETURN
(A-D)(A-D)CNTACK	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, CONTROLLER A-D ACKNOWLEDGE
(A-D)(A-D)CNTREQ	1/3,4,7,8, 10-12,15,16	MODULE MESSAGE PROCESSOR A-D, CONTROLLER A-D REQUEST
(A-D)ADDPE(A,B)	1/3,4,7,8, 11,12,15,16	MODULE MESSAGE PROCESSOR A-D, ADDRESS PARITY ERROR, A OR B SLOT (TN858)
(A-D)ADD2PEO	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, ADDRESS PARITY, ACTIVE LOW
(A-D)(A,B)MIBER1	1/3,4,7,8, 11,12,15,16	MODULE MESSAGE PROCESSOR A-D, A OR B SLOT (TN858), MESSAGE INTERFACE BUS ERROR REGISTER, ACTIVE HIGH
(A-D)CHRPAR(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, CHECK RECEIVE PARITY, A OR B SLOT (TN858)
(A-D)CHTPAR(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, CHECK TRANSMIT PARITY, A OR B SLOT (TN858)
(A-D)CLMIBEO	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, CLEAR MESSAGE INTERFACE BUS ERROR REGISTER, ACTIVE LOW
(A,C)CLRISOO	1/1,9	MODULE MESSAGE PROCESSOR A,C, CLEAR ISOLATE, ACTIVE LOW
(A-D)CMDINTO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, COMMAND INTERRUPT, ACTIVE LOW
(A-D)CSAO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, CONTROL SIGNAL ACKNOWLEDGE, ACTIVE LOW
(A-D)DATAPE(A,B)	1/3,4,7,8, 11,12,15,16	MODULE MESSAGE PROCESSOR A-D, DATA PARITY ERROR, A OR B SLOT (TN858)
(A-D)DAT2PEO	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, DATA TWO PARITY ERROR, ACTIVE LOW
(A-D)ENBYBYT	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, ENABLE BYTE BYTE
(A-D)ENHIBYT	1/3,5,9,13	MODULE MESSAGE PROCESSOR A-D, ENABLE HIGH BYTE
(A-D)ENLOBYT	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, ENABLE LOW BYTE
(A-D)ERRO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, ERROR SENT TO PERIPHERAL INTERFACE CONTROLLER CLOCK
(A-D)EZMHZX	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, EARLY 2 MHZ EXTERNAL
(A,C)INHRTCT	1/1,9	MODULE MESSAGE PROCESSOR A OR C, INHIBIT REAL TIME CLOCK
(A-D)INTRO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, INTERRUPT TO PERIPHERAL INTERFACE CONTROLLER, ACTIVE LOW
(A-D)INVRPAR	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, INVERT PARITY
ALMC(1,2)	2/2	ALARM CIRCUIT 1 OR 2
(A-D)L2MHZX	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, LATE 2 MHZ EXTERNAL CLOCK

MNEMONIC	FS/SYM	DEFINITION
(A-D)MITDAT(A,B)	1/3,4,7,8, 11,12,15,16	MODULE MESSAGE PROCESSOR A-D, MESSAGE INTERFACE BUS TRANSMIT DATA, A OR B SLOT (TN858)
(A-D)MMP2BEQ	1/4,8,12,16	MODULE MESSAGE PROCESSOR A-D, MODULE MESSAGE PROCESSOR 2, B SLOT EQUIPPED
(A,C)MONDBCS	1/1,9	MODULE MESSAGE PROCESSOR A OR C, MONITOR DEBUGGER CHIP SELECT
(A-D)PBHEO	1/3,7,11,15	MODULE MESSAGE PROCESSOR A-D, PERIPHERAL BUS HIGH ENABLE, ACTIVE LOW
(A-D)PCSELO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, PERIPHERAL CONTROLLER SELECT, ACTIVE LOW
(A,C)PICINIT	1/1,9	MODULE MESSAGE PROCESSOR A OR C, PERIPHERAL INTERFACE CONTROLLER INITIALIZE
(A-D)PUMPCSO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, PUMP PERIPHERAL CONTROLLER CHIP SELECT, ACTIVE LOW
(A-D)P(1,2)IN	1/1,2,6,7, 9,10,13,14	MODULE MESSAGE PROCESSOR A-D, EQUIPPED APPLICATION PIN 1 OR 2
(A-D)RASCK1	1/3,7,11,15	MODULE MESSAGE PROCESSOR A-D, ENABLE RCH ADDRESS SELECT, ACTIVE HIGH
(A-D)RCVSEL(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, RECEIVE DATA SELECT, A OR B SLOT (TN858)
(A-D)RULDCK(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, UNLOAD CLOCK, A OR B SLOT (TN858)
(A-D)RVCKEN(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, RECEIVE CLOCK ENABLE, A OR B SLOT (TN858)
(A-D)RVTSDAT	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, RECEIVE TIME SLOT DATA
(A-D)SELTPAR	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, SELECT TRANSMIT PARITY
(A-D)SRO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, SERVICE REQUEST, ACTIVE LOW
(A-D)STAT&6(3-5)	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, STATUS LINE (3,4,5) OFF 8086 MICRO-PROCESSOR
(A-D)TLDCKN(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, TRANSMIT LOAD CLOCK INVERTED, A OR B SLOT (TN858)
(A-D)TRMCKE(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, TRANSMIT CLOCK ENABLE, A OR B SLOT (TN858)
(A-D)TRMSEL(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, TRANSMIT SELECT, A OR B SLOT (TN858)
(A-D)TS(0-7)RINT	1/3,4,7,8, 11,12,15,16	MODULE MESSAGE PROCESSOR A-D, TIME SLOT 0 - 7, RECEIVE INTERRUPT
(A-D)TS(0-7)TINT	1/3,4,7,8 11,12,15,16	MODULE MESSAGE PROCESSOR A-D, TIME SLOT 0 - 7, TRANSMIT INTERRUPT
(A,C)UACEQPO	1/1,9	MODULE MESSAGE PROCESSOR A OR C, UTILITY ACCESS CIRCUIT EQUIP, ACTIVE LOW

MNEMONIC	FS/SYM	DEFINITION
(A,C)UACINTO	1/1,9	MODULE MESSAGE PROCESSOR A OR C, UTILITY ACCESS CIRCUIT INTERRUPT, ACTIVE LOW
(A-D)WDDAT (00-07)	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, WORD DATA (00-07)
(A-D)XADDPH	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL ADDRESS PARITY HIGH
(A-D)XADDPL	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL ADDRESS PARITY LOW
(A-D)XADDPU	1/3,7,11,15	MODULE MESSAGE PROCESSOR A-D, EXTERNAL ADDRESS PARITY UPPER
(A-D)XADD(00-19)	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL ADDRESS LEAD (00-19)
(A-D)XALWPGE	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL ALLOW PROGRAMMING ERROR
(A-D)XCK4MHZ	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL CLOCK, 4 MHZ
(A-D)XCLK86	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL CLOCK 8086
(A-D)XCLRESR	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL CLEAR ERROR DETECTION CIRCUIT, ACTIVE LOW
(A-D)XCONTWS	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL CONTINUOUS WAIT STATES
(A-D)XCSWIND	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL CHIP SELECT WINDOW
(A-D)XDATAPH	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL DATA PARITY HIGH
(A-D)XDATAPL	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL DATA PARITY LOW
(A-D)XDATA (00-15)	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL DATA LEAD (00-15)
(A-D)XDIRLRW	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL DIRECTION (ACTIVE LOW) READ, (ACTIVE HIGH) WRITE
(A-D)XDYRWAT	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL DYNAMIC RAM WAIT STATE, ACTIVE LOW
(A-D)XD86T1R	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL DIRECTION 8086, (ACTIVE HIGH) TRANSMIT, (ACTIVE LOW) RECEIVE
(A-D)XFUNCN1	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL FUNCTION ENABLE, ACTIVE HIGH
(A-D)XHLDACK	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL HOLD ACKNOWLEDGE
(A-D)XHLDREQ	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, EXTERNAL HOLD REQUEST
(A-D)XINTACK	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL INTERRLPT ACKNOWLEDGE
(A-D)XINTREQ	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, EXTERNAL INTERRLPT REQUEST
(A-D)XIORDO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL INPUT/OUTPUT READ, ACTIVE LOW
(A-D)XIOWTO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL INPUT/OUTPUT WRITE, ACTIVE LOW

MNEMONIC	FS/SYM	DEFINITION
(A-D)LATCHO	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL LATCH, ACTIVE LOW
(A-D)XMEMRDO	1/3,7,11,15	MODULE MESSAGE PROCESSOR A-D, EXTERNAL MEMORY READ, ACTIVE LOW
(A-D)XMEMWTO	1/3,7,11,15	MODULE MESSAGE PROCESSOR A-D, EXTERNAL MEMORY WRITE, ACTIVE LOW
(A-D)XMEM11O	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL (ACTIVE HIGH) MEMORY, (ACTIVE LOW) INPUT/OUTPUT
(A-D)XPWRRST	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL POWER RESTART
(A-D)XRD860	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL READ 8086
(A-D)XWT860	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL WRITE 8086
(A-D)X10MINT	1/1,5,9,13	MODULE MESSAGE PROCESSOR A-D, EXTERNAL 10 MILLISECOND INTERRUPT
(A-D)X25CKR(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, EXTERNAL BX.25 PROTOCOL CLOCK RECEIVE, A OR B SLOT (TN858)
(A-D)X25CKT(A,B)	1/2,6,10,14	MODULE MESSAGE PROCESSOR A-D, EXTERNAL BX.25 PROTOCOL CLOCK TRANSMIT, A OR B SLOT (TN858)
CMDINTO	1/1	MODULE MESSAGE PROCESSOR, COMMAND INTERRUPT, ACTIVE LOW
DMAAD(00-15)1	1/1	DIRECT MEMORY ACCESS ADDRESS 00-15, ACTIVE HIGH
DMADAP1	1/1	DIRECT MEMORY ACCESS DATA PARITY, ACTIVE HIGH
DMADA(00-07)1	1/1	DIRECT MEMORY ACCESS DATA 00-07, ACTIVE HIGH
DMAOPCO	1/1	DIRECT MEMORY ACCESS OPERATION COMPLETE, ACTIVE LOW
DMARDO	1/1	DIRECT MEMORY ACCESS READ, ACTIVE LOW
DMAREQO	1/1	DIRECT MEMORY ACCESS REQUEST, ACTIVE LOW
DMAWTO	1/1	DIRECT MEMORY ACCESS WRITE, ACTIVE LOW
GRODMA(R,W)O	1/1	GROUND FOR DIRECT MEMORY ACCESS READ OR WRITE, ACTIVE LOW
GRD(EQL)	FS_1,2	GROUND FOR ALL EQUIPMENT LOCATIONS
INITPCO	1/1	INITIALIZE PERIPHERAL CONTROLLER, ACTIVE LOW

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE D2	ISSUE 4AC
AT&T BELL LABORATORIES	SD-5D136-01	A#2

DESIGNATION MNEMONICS INDEX

MNEMONIC	ES/SYM	DEFINITION
NCURPR	1/1	NEGATIVE CURRENT PROGRAMMING RESISTOR LEAD
OOS+1	2/1	MARK CONVERTER OUT OF SERVICE
OOS-1	2/1	-48 POWER OUT OF SERVICE
OOSR	2/2	SCAN AND DISTRIBUTE OUT OF SERVICE RETURN
OOS3B	2/2	SCAN AND DISTRIBUTE OUT OF SERVICE
PCURPR	1/1	POSITIVE CURRENT PROGRAMMING RESISTOR LEAD
POCLK(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 0 CLOCK (NEG, POS)
PORDATA(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 0 RECEIVE DATA (NEG, POS)
POSYNC(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 0 SYNC (NEG, POS)
POTDATA(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 0 TRANSMIT DATA (NEG, POS)
P1CLK(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 1 CLOCK (NEG, POS)
P1RDATA(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 1 RECEIVE DATA (NEG, POS)
P1SYNC(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 1 SYNC (NEG, POS)
P1TDATA(N,P)	1/3	PUMP PERIPHERAL CONTROLLER SIDE 1 TRANSMIT DATA (NEG, POS)
RISOLO	1/1	RESET ISOLATE, ACTIVE LOW
RQIP3B	2/2	SCAN AND DISTRIBUTE REQUEST IN PROCESS
RQIP3BR	2/2	SCAN AND DISTRIBUTE REQUEST IN PROCESS RETURN
RS(1-3)	2/2	REMOTE START AND SHUTDOWN (1, 2, 3)
RVS	2/1	REMOTE VOLTAGE SENSE
SCXR	2/2	SCAN AND DISTRIBUTE SCAN POINT X RETURN
SCX3B	2/2	SCAN AND DISTRIBUTE SCAN POINT X
SCYR	2/2	SCAN AND DISTRIBUTE SCAN POINT Y RETURN
SCY3B	2/2	SCAN AND DISTRIBUTE SCAN POINT Y
SEQADDR8	1/2	SEQUENCER ADDRESS 8
SEQADDR9	1/2	SEQUENCER ADDRESS 9
SISOLO	1/1	SET ISOLATE, ACTIVE LOW
0ACCDALR	1/7	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN
0ACTCDAL	1/7	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS
0CLK(N,P)	1/2	SIDE 0, CLOCK (NEG, POS)
0DATVAL(0,1)	1/7	SIDE 0, DATA VALID (POS, INVERTED)
0LIINT1(0,1)	1/7	SIDE 0, LINK INTERFACE INTERRUPT (POS, INVERTED)
0LISEL(0,1)	1/7	SIDE 0, LINK INTERFACE SELECT (POS, INVERTED)
0MIINT1(0,1)	1/7	SIDE 0, MESSAGE INTERFACE INTERRUPT (POS, INVERTED)
0MISEL(0,1)	1/7	SIDE 0, MESSAGE INTERFACE SELECT (POS, INVERTED)
0NCKIT1(0,1)	1/7	SIDE 0, NETWORK CLOCK INTERRUPT (POS, INVERTED)
0NCKSEL(0,1)	1/7	SIDE 0, NETWORK CLOCK SELECT (POS, INVERTED)
0RCVDAT(0,1)	1/7	SIDE 0, RECEIVE DATA (POS, INVERTED)
0RDATA(N,P)	1/2	SIDE 0, RECEIVE DATA (NEG, POS)
0SACDALR	1/7	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN
0STACDAL	1/7	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS
0SYNC(N,P)	1/2	SIDE 0, SYNC (NEG, POS)
0TDATA(N,P)	1/2	SIDE 0, TRANSMIT DATA (NEG, POS)
0TMSIT1(0,1)	1/7	SIDE 0, TIME MULTIPLEXED SWITCH INTERRUPT (POS, MULTIPLEXED INVERTED)
0TMSRDY(0,1)	1/7	SIDE 0, TIME MULTIPLEXED SWITCH READY (POS, INVERTED)
0TMSRST(0,1)	1/7	SIDE 0, TIME MULTIPLEXED SWITCH RESET (POS, INVERTED)
0TMSSEL(0,1)	1/7	SIDE 0, TIME MULTIPLEXED SWITCH SELECT (POS, INVERTED)
0TMSSR(0,1)	1/7	SIDE 0, TIME MULTIPLEXED SWITCH SERVICE REQUEST (POS, INVERTED)
0TRCLK(0,1)	1/7	SIDE 0, TRANSMIT RECEIVE CLOCK (POS, INVERTED)
0TRMDAT(0,1)	1/7	SIDE 0, TRANSMIT DATA (POS, INVERTED)
01TVLOP(B-D)	1/1	01 TEST VECTOR LOOP (B-D)
02TVLOP(A-C)	CAD 016	02 TEST VECTOR LOOP (A-C)
02TVLOPD	1/2	02 TEST VECTOR LOOP D
03TVLOP(A-D)	1/3	03 TEST VECTOR LOOP (A-D)
04TVLOP(A-D)	1/4	04 TEST VECTOR LOOP (A-D)
05TVLOP(B-D)	1/5	05 TEST VECTOR LOOP (B-D)
06TVLOP(B,C)	CAD-016	06 TEST VECTOR LOOP (B,C)
06TVLOPD	1/6	06 TEST VECTOR LOOP D
07TVLOP(A-D)	1/7	07 TEST VECTOR LOOP (A-D)
08TVLOP(A-D)	1/8	08 TEST VECTOR LOOP (A-D)
09TVLOP(B-D)	1/9	09 TEST VECTOR LOOP (B-D)
1ACCDALR	1/7	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN
1ACTCDAL	1/7	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS
1CLK(N,P)	1/2	SIDE 1, CLOCK (NEG, POS)
1DATVAL(0,1)	1/7	SIDE 1, DATA VALID (POS, INVERTED)
1LIINT1(0,1)	1/7	SIDE 1, LINK INTERFACE INTERRUPT (POS, INVERTED)
1LISEL(0,1)	1/7	SIDE 1, LINK INTERFACE SELECT (POS, INVERTED)
1MIINT1(0,1)	1/7	SIDE 1, MESSAGE INTERFACE INTERRUPT (POS, INVERTED)
1MISEL(0,1)	1/7	SIDE 1, MESSAGE INTERFACE SELECT (POS, INVERTED)
1NCKIT1(0,1)	1/7	SIDE 1, NETWORK CLOCK INTERRUPT (POS, INVERTED)
1NCKSEL(0,1)	1/7	SIDE 1, NETWORK CLOCK SELECT (POS, INVERTED)
1RCVDAT(0,1)	1/7	SIDE 1, RECEIVE DATA (POS, INVERTED)
1RDATA(N,P)	1/2	SIDE 1, RECEIVE DATA (NEG, POS)
1SACDALR	1/7	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN
1STACDAL	1/7	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS
1SYNC(N,P)	1/2	SIDE 1, SYNC (NEG, POS)
1TDATA(N,P)	1/2	SIDE 1, TRANSMIT DATA (NEG, POS)
1TMSIT1(0,1)	1/7	SIDE 1, TIME MULTIPLEXED SWITCH INTERRUPT (POS, INVERTED)
1TMSRDY(0,1)	1/7	SIDE 1, TIME MULTIPLEXED SWITCH READY (POS, INVERTED)
1TMSRST(0,1)	1/7	SIDE 1, TIME MULTIPLEXED SWITCH RESET (POS, INVERTED)
1TMSSEL(0,1)	1/7	SIDE 1, TIME MULTIPLEXED SWITCH SELECT (POS, INVERTED)
1TMSSR(0,1)	1/7	SIDE 1, TIME MULTIPLEXED SWITCH SERVICE REQUEST (POS, INVERTED)
1TRCLK(0,1)	1/7	SIDE 1, TRANSMIT RECEIVE CLOCK (POS, INVERTED)
1TRMDAT(0,1)	1/7	SIDE 1, TRANSMIT DATA (POS, INVERTED)
10TVLOP(A-C)	CAD 016	10 TEST VECTOR LOOP (A-C)
10TVLOPD	1/10	10 TEST VECTOR LOOP D
11TVLOP(A-D)	1/11	11 TEST VECTOR LOOP (A-D)
12TVLOP(A-D)	1/12	12 TEST VECTOR LOOP (A-D)
13TVLOP(B-D)	1/13	13 TEST VECTOR LOOP (B-D)
14TVLOP(A-C)	CAD 016	14 TEST VECTOR LOOP (A-C)
14TVLOPD	1/14	14 TEST VECTOR LOOP D
15TVLOP(A-D)	1/15	15 TEST VECTOR LOOP (A-D)
16TVLOP(A-D)	1/16	16 TEST VECTOR LOOP (A-D)

MESSAGE SWITCH PERIPHERAL UNIT

CAD SIZE 02 | ISSUE 4AC

AT&T BELL LABORATORIES | SD-5D136-01 | A#3

PRINTED IN U. S. A. 08706784

APPARATUS INDEX

EQUIP LOC	APP NO	FIGURE SH NO.
CIRCUIT PACKS		
04-008	2	C#2
04-040	5	C#2
04-048	3	C#2
04-048	3	C#2
04-056	3	C#2
04-056	13	C#3
04-064	4	C#2
04-064	4	C#2
04-064	4	C#2
04-080	7	C#2
04-080	7	C#2
04-080	7	C#2
04-088	6	C#2
04-088	13	C#3
04-096	6	C#2
04-096	6	C#2
04-104	8	C#3
04-112	10	C#3
04-120	9	C#3
04-120	9	C#3
04-128	9	C#3
04-136	9	C#3
04-136	9	C#3
04-136	9	C#3
04-152	2	C#2
04-152	11	C#3
04-152	11	C#3
04-152	11	C#3
04-160	11	C#3
04-168	3	C#2
04-168	11	C#3
04-168	11	C#3
04-176	12	C#3
DESIG		
BTR1	3	C#2
BTR2	2	C#2
FPC4	13	C#3
MMP1A	3	C#2
MMP1A	3	C#2
MMP1B	6	C#2
MMP1B	6	C#2
MMP1C	9	C#3
MMP1C	9	C#3
MMP1D	11	C#3
MMP1D	11	C#3
MMP2AA	3	C#2
MMP2AB	6	C#2
MMP2AC	9	C#3
MMP2AD	11	C#3
MMP2BA	5	C#2
MMP2BB	8	C#3
MMP2BC	10	C#3
MMP2BD	12	C#3
MSPPAPPC	4	C#2
MSPPAPPC	4	C#2
MSPPAPPC	4	C#2
MSPPBFPC	7	C#2
MSPPBFPC	7	C#2
MSPPBFPC	7	C#2
MSPPC	9	C#3
MSPPC	9	C#3
MSPPC	9	C#3

DESIG	APP NO.	FIG. SH NO.
CIRCUIT PACKS(CONT)		
MSPPD	11	C#3
MSPPD	11	C#3
MSPPD	11	C#3
MSPUCD	2	C#2
PPC	13	C#3

DESIGN	LOCATION FS SYM	APP FIG	EQPT
BTR			
BTR1	1/17	3	04-168
BTR2	1/18	2	04-152
CIRCUIT PACK-CP			
FPC4	1/7	13	04-088
MMP1A	1/2	3	04-048
MMP1A	1/2	3	04-048
MMP1B	1/6	6	04-096
MMP1B	1/6	6	04-096
MMP1C	1/10	9	04-120
MMP1C	1/10	9	04-120
MMP1D	1/14	11	04-168
MMP1D	1/14	11	04-168
MMP2AA	1/3	3	04-056
MMP2AB	1/7	6	04-088
MMP2AC	1/11	9	04-128
MMP2AD	1/15	11	04-160
MMP2BA	1/4	5	04-040
MMP2BB	1/8	8	04-104
MMP2BC	1/12	10	04-112
MMP2BD	1/16	12	04-176
MSPPAPPC	1/1	4	04-064
MSPPAPPC	1/1	4	04-064
MSPPAPPC	1/1	4	04-064
MSPPBFPC	1/5	7	04-080
MSPPBFPC	1/5	7	04-080
MSPPBFPC	1/5	7	04-080
MSPPC	1/9	9	04-136
MSPPC	1/9	9	04-136
MSPPC	1/9	9	04-136
MSPPD	1/13	11	04-152
MSPPD	1/13	11	04-152
MSPPD	1/13	11	04-152
MSPUCD	2/2	2	04-008
PPC	1/3	13	04-056
CONVERTER			
PWRCONV	2/1	2	04-024

DESIGN	LOCATION FY/SYM	CAD
3BIOP		
OOS3B	2/2	012
OOSR	2/2	012
RQIP3B	2/2	012
RQIP3BR	2/2	012
SCX3B	2/2	012
SCXR	2/2	012
SCY3B	2/2	012
SCYR	2/2	012
FUSE PANEL		
-48PWR	2/2	014
-48RIN	2/2	014
ALMC2	2/2	013
MESSAGE INTERFACE/CLOCK UNIT		
OACCDALR	1/7	008
OACTCDAL	1/7	008
ODATVAL0	1/7	008
ODATVAL1	1/7	008
OLIINT10	1/7	008
OLIINT11	1/7	008
OLISEL0	1/7	008
OLISEL1	1/7	008
OMIINT10	1/7	009
OMIINT11	1/7	009
OMISEL0	1/7	009
OMISEL1	1/7	009
ORCVDAT0	1/7	008
ORSVDAT1	1/7	008
OSACDALR	1/7	008
OSTACDAL	1/7	008
ONCKIT10	1/7	008
ONCKIT11	1/7	008
ONCKSEL0	1/7	008
ONCKSEL1	1/7	008
ORCVDAT0	1/7	008
ORCVDAT1	1/7	008
OSACDALR	1/7	008
OSTACDAL	1/7	008
OTMSIT10	1/7	009
OTMSI11	1/7	009
OTMSRDY0	1/7	009
OTMSRDY1	1/7	009
OTMSRST0	1/7	009
OTMSRST1	1/7	009
OTMSSEL0	1/7	009
OTMSSEL1	1/7	009
OTMSSR0	1/7	008
OTMSSR1	1/7	008
OTRCLK0	1/7	008
OTRCLK1	1/7	008
OTRMDAT0	1/7	008
OTRMDAT1	1/7	008
1ACCDALR	1/7	010
1ACTCDAL	1/7	010
1DATVAL0	1/7	010
1DATVAL1	1/7	010
1LIINT10	1/7	010
1LIINT11	1/7	010
1LISEL0	1/7	010
1LISEL1	1/7	010
1MIINT10	1/7	011
1MIINT11	1/7	011
1MISEL0	1/7	011
1MISEL1	1/7	011
1NCKIT10	1/7	010
1NCKIT11	1/7	010

LEAD INDEX

DESIGN	LOCATION FS/SYM	CAD
MESSAGE INTERFACE/CLOCK UNIT (CONT)		
1NCKSEL0	1/7	010
1NCKSEL1	1/7	010
1RCVDAT0	1/7	010
1RCVDAT1	1/7	010
1SACDALR	1/7	010
1STACDAL	1/7	010
1TMSIT10	1/7	011
1TMSIT11	1/7	011
1TMSRDY0	1/7	011
1TMSRDY1	1/7	011
1TMSRST0	1/7	011
1TMSRST1	1/7	011
1TMSSEL0	1/7	011
1TMSSEL1	1/7	011
1TMSSR0	1/7	010
1TMSSR1	1/7	010
1TRCLK0	1/7	010
1TRCLK1	1/7	010
1TRMDAT0	1/7	010
1TRMDAT1	1/7	010
P0CLKN	1/3	002
P0CLKP	1/3	002
P0RDATAN	1/3	002
P0RDATAP	1/3	002
P0SYNCN	1/3	002
P0SYNCP	1/3	002
P0TDATAN	1/3	002
P0TDATAP	1/3	002
P1CLKN	1/3	003
P1CLKP	1/3	003
P1RDATAN	1/3	003
P1RDATAP	1/3	003
P1SYNCN	1/3	003
P1SYNCP	1/3	003
P1TDATAN	1/3	003
P1TDATAP	1/3	003
MESSAGE SWITCH CONTROL UNIT		
*SPWR01	1/1	004
AACSAO	1/1	005
AERRO	1/1	004
AINTRO	1/1	007
APCSEL0	1/1	004
ASRO	1/1	005
BCSA0	1/5	005
BERRO	1/5	004
BINTRO	1/5	007
BPCSEL0	1/5	004
BSRO	1/5	005
CCSA0	1/9	005
CERRO	1/9	004
CINTRO	1/9	007
CPCSEL0	1/9	004
CSR0	1/9	005
DCSAO	1/13	005
DERRO	1/13	004
DINTRO	1/3	007
DMAAD001	1/1	006
DMAAD011	1/1	006
DMAAD021	1/1	006
DMAAD031	1/1	006
DMAAD041	1/1	006
DMAAD051	1/1	006

DESIGN	LOCATION FS/SYM	CAD
MESSAGE SWITCH CONTROL UNIT (CONT)		
DMAAD061	1/1	006
DMAAD071	1/1	006
DMAAD081	1/1	006
DMAAD091	1/1	006
DMAAD101	1/1	006
DMAAD111	1/1	006
DMAAD121	1/1	006
DMAAD131	1/1	006
DMAAD141	1/1	006
DMAAD151	1/1	006
DMADA001	1/1	007
DMADA011	1/1	007
DMADA021	1/1	007
DMADA031	1/1	007
DMADA041	1/1	007
DMADA051	1/1	007
DMADA061	1/1	007
DMADA071	1/1	007
DMADAP1	1/1	005
DMACPC0	1/1	005
DMARED0	1/1	005
DPCSEL0	1/13	004
DSR0	1/13	005
GRD04064	1/1	005
GRD04080	1/5	006
GRDDMAR0	1/1	005
RISOL0	1/1	005
SISOL0	1/1	005

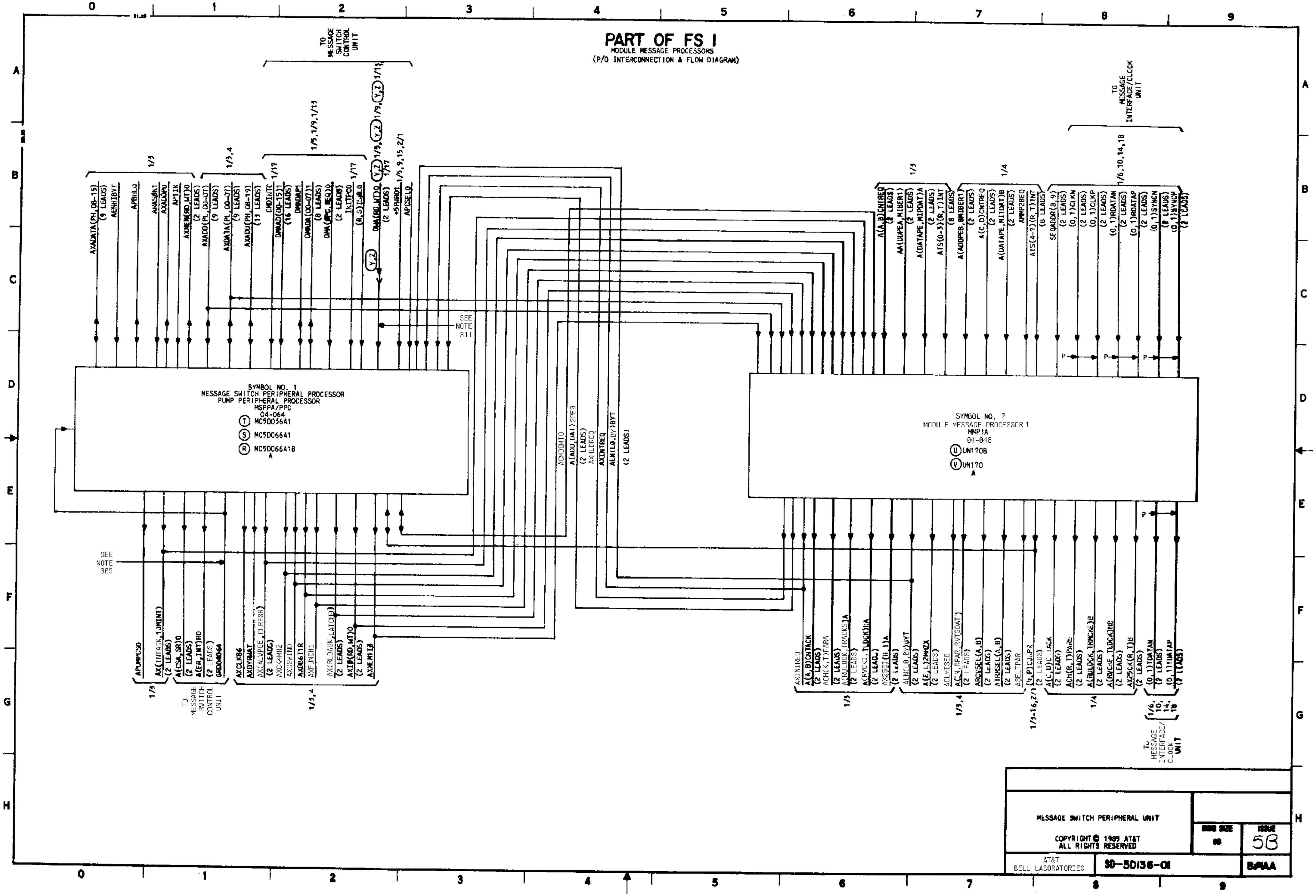
ISSUE 5B

MESSAGE SWITCH PERIPHERAL UNIT

SD-50136-01-A#4

AT&T BELL LABORATORIES

DWG SIZE C2


PART OF FS 1
MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)
TO MESSAGE SWITCH CONTROL UNIT
TO MESSAGE INTERFACE/CLOCK UNIT
SYMBOL NO. 1
MESSAGE SWITCH PERIPHERAL PROCESSOR
PUMP PERIPHERAL PROCESSOR
MSPPA/PPC
04-064
T MC5D036A1
S MC5D066A1
R MC5D066A1B
A
SYMBOL NO. 2
MODULE MESSAGE PROCESSOR 1
MMP1A
04-048
U UN170B
V UN170
A
SEE NOTE 311
SEE NOTE 309
TO MESSAGE SWITCH CONTROL UNIT
TO MESSAGE INTERFACE/CLOCK UNIT
MESSAGE SWITCH PERIPHERAL UNIT
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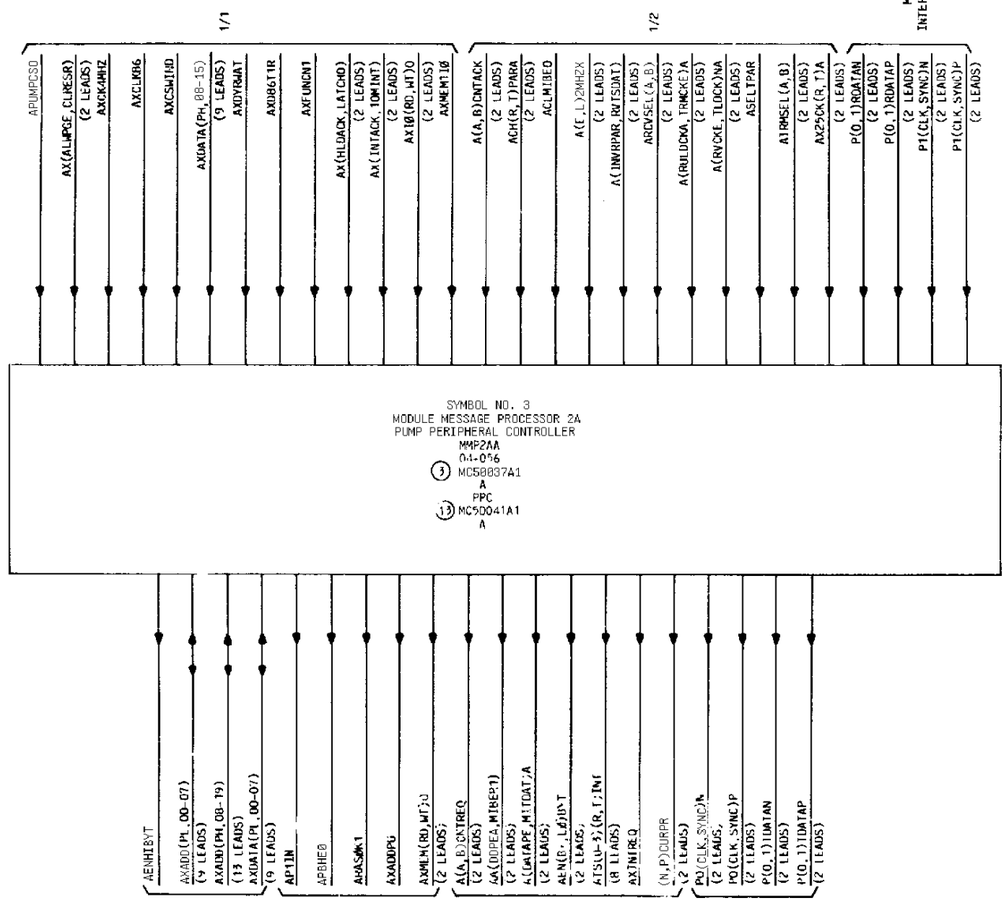
BELL LABORATORIES
SD-5D136-01
ISSUE 5B
B/NAA

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)



SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE: B	ISSUE: D
AT&T BELL LABORATORIES	SD-50136-01	B#IAB

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)

1/1
AX(ALMPSE,CLRESK) (2 LEADS)
AXCK4MHZ
AXCLK86
AXCSH(IN)
AXDYRMAT
AXDB6TIR
AXFUNCN1
AX(HLDACK,LATCHO) (2 LEADS)
AX16(RD,WT)O (2 LEADS)
AXMEM13B (2 LEADS)

1/2
A(C,D)CNTACK (2 LEADS)
ACH(R,T)PARR (2 LEADS)
ACLR1BEO (2 LEADS)
A(E,L)2MHZX (2 LEADS)
A(INHPPAR,RVTSCNT) (2 LEADS)
ARDYSEL(A,B) (2 LEADS)
A(RLLDCK,TRNCKE)B (2 LEADS)
A(RVCKE,TLDCK)NB (2 LEADS)
ASELTPAR
ATRNSEL(A,B) (2 LEADS)
AX25CK(R,T)B (2 LEADS)

SYMBOL NO. 4
MODULE MESSAGE PROCESSOR 2B
MMP28A
04-040
MC5D037A1
A

AXADD(PL,00-07) (9 LEADS) — 1/1
AXADD(PH,08-19) (15 LEADS) — 1/1
AXDATA(PL,00-07) (9 LEADS) — 1/1
(N,P)CURPR (2 LEADS)
A(ADDPEB,DMIBERT) (2 LEADS)
A(C,D)CNTREQ (2 LEADS)
A(DATAPE,MITDAT)B (2 LEADS) — 1/2
AEM(BY,LO)BYT (2 LEADS)
AMMP28EQ
ATS(4-7)(R,T)INT (8 LEADS)
AP1IN
APBHEO
ARASBK1 — 1/3
AXADDPU — 1/3
AXMEM(RD,WT)O (2 LEADS)

1/1
+5PNR01
CMDINTO
DMAAD(00-15)1 (16 LEADS)
DMADAP1
1/1
DMADA(00-07)1 (8 LEADS)
DMA(BPC,REQ)6 (2 LEADS)
INITPCO
(R,S)ISOLO (2 LEADS)
(Y,Z)
DMA(RD,WT)O (2 LEADS)
(Y,Z) 1/1
1/6
B(ADD,DAT)2HED (2 LEADS)
BEN(BY,LO)BYT (2 LEADS)
BXHLDREQ
BXINTREQ
1/6,7,8
BXADD(PL,00-07) (9 LEADS)
BXDATA(PL,00-07) (9 LEADS)
BP1IB
1/7
BP2IN
BRASBK1
TO MESSAGE SWITCH CONTROL UNIT
BPCSELO

SEE NOTE 311

SYMBOL NO. 5
MESSAGE SWITCH PERIPHERAL PROCESSOR
FOUNDATION PERIPHERAL CONTROLLER
MSPPB/FPC
04-080
(T) MC5D036A1
(S) MC5D066A1
(R) MC5D066A1B
A

SEE NOTE 389

BCMDINT9 — 1/6,7
BX(INTACK,IOMINT) (2 LEADS)
BX(ALMPSE,CLRF SR) (2 LEADS)
BXCK4MHZ
BXCSHIMD
BXDB6TIR
BXFUNCN1 — 1/6,7,8
BX(HLDACK,LATCHO) (2 LEADS)
BX16(RD,WT)O (2 LEADS)
BXMEM13B (2 LEADS)
BPBHEO
BXADDPU — 1/7
BXMEM(RD,WT)O (2 LEADS)
BXMRRST
BXADD(PH,08-19) (15 LEADS) — 1/7,8
BXCLK86
BXDYRMAT
B(CSA,SR)O (2 LEADS)
B(ER,INT)RD (2 LEADS)
GRD040B0
TO MESSAGE SWITCH CONTROL UNIT

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: H
ISSUE: 5B

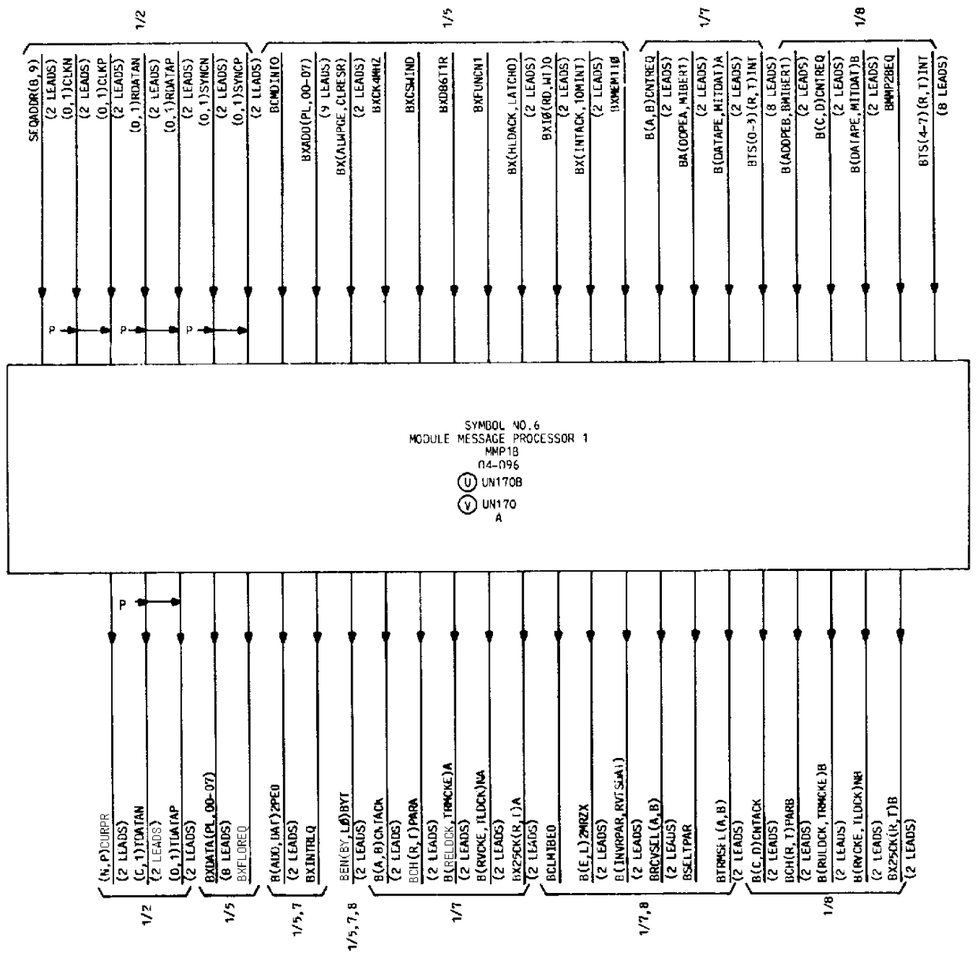
AT&T BELL LABORATORIES

SD-5D136-01

EMIAC

PART OF FS 1

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTOR & FLOW DIAGRAM)

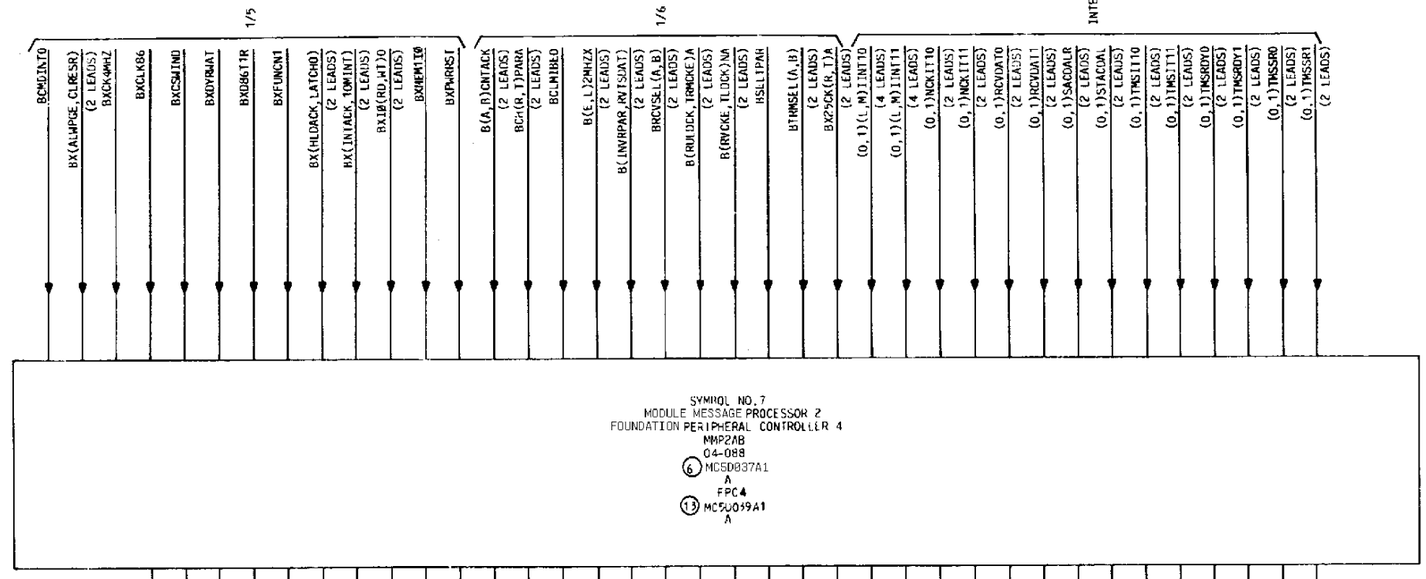


SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE A3	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	BMAD

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)

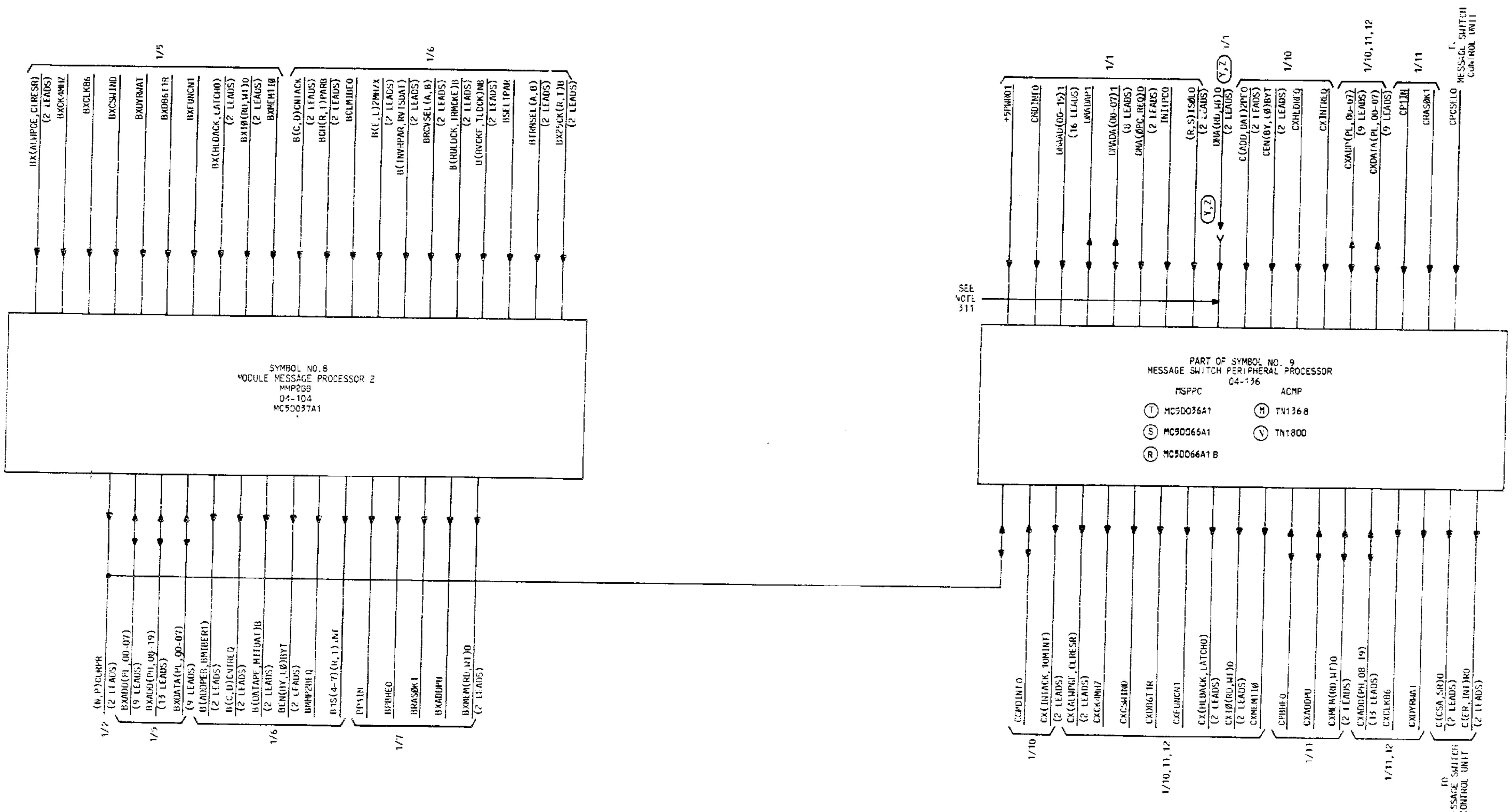


SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE 03	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	B# IAE

PART OF FS 1

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)



MESSAGE SWITCH PERIPHERAL UNIT

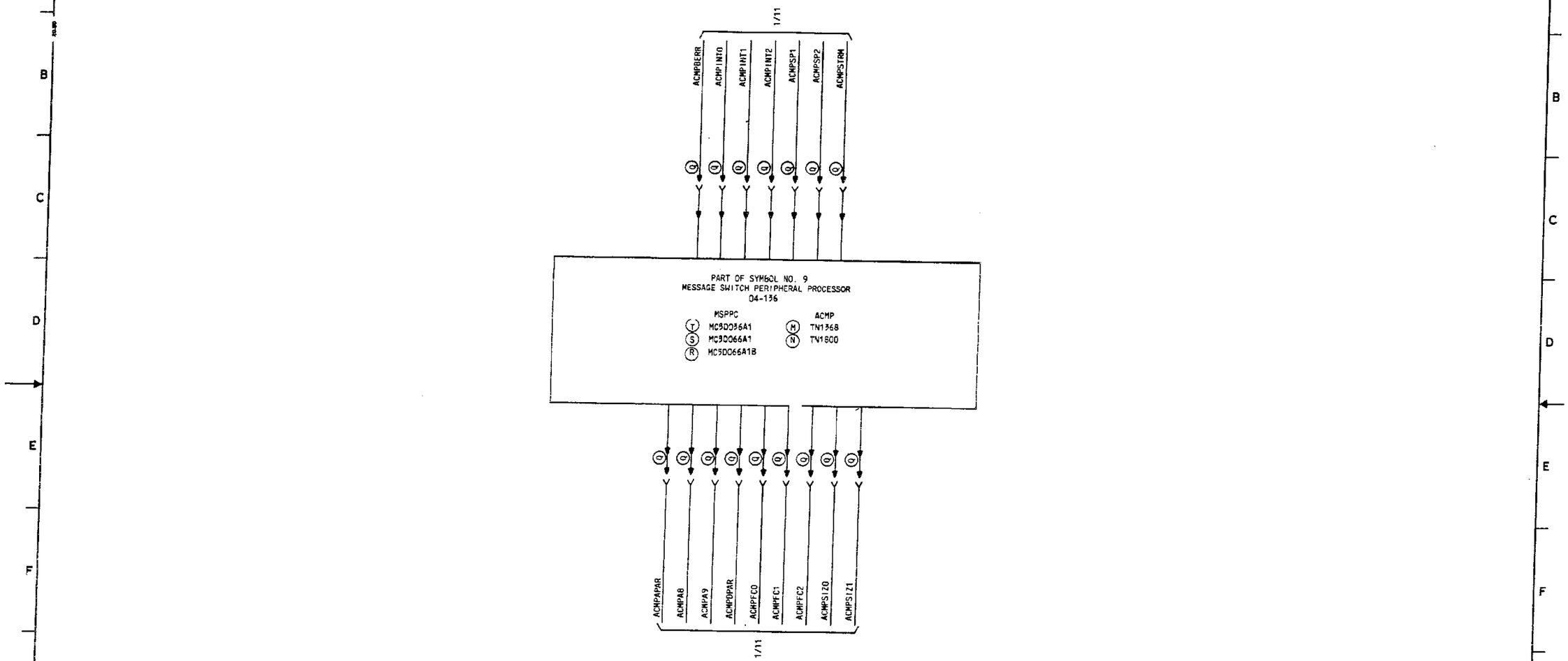
DWG SIZE	ISSUE
8S	8B

AT&T SD-5D136-01

SHEET B1AF

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)



MESSAGE SWITCH PERIPHERAL UNIT		DWG SIZE	ISSUE
		B$	8B
AT&T	SD-5D136-01		SHEET B1AG

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)

SYMBOL NO.12
MODULE MESSAGE PROCESSOR 2
MMP2BC
04-112
MC5D037A1
A

SYMBOL NO.13
MESSAGE SWITCH PERIPHERAL PROCESSOR
MSPPD
04-152
(T) MC5D036A1
(S) MC5D066A1
(R) MC5D066A1B
A

SEE NOTE 511

PAIRED WITH GROUP

TO MESSAGE SWITCH CONTROL UNIT

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: 86
ISSUE: 5B

AT&T BELL LABORATORIES

SD-50136-01

B#1AH

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)

SYMBOL NO.14
MODULE MESSAGE PROCESSOR 1
MMP10
04-168
UN170B
UN170
A

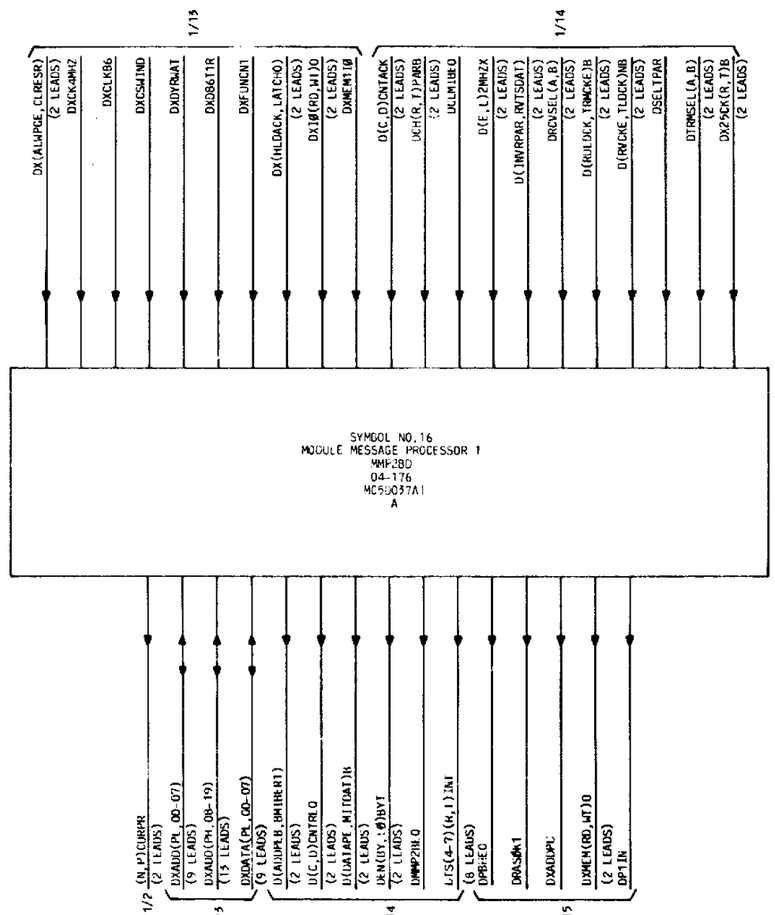
SYMBOL NO.15
MODULE MESSAGE PROCESSOR 2
MMP2AD
04-160
MC5D037A1
A

SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT		
	DWG SIZE: 6S	ISSUE: 3D
AT&T BELL LABORATORIES	SD-50136-01	B#1AJ

PART OF FS I

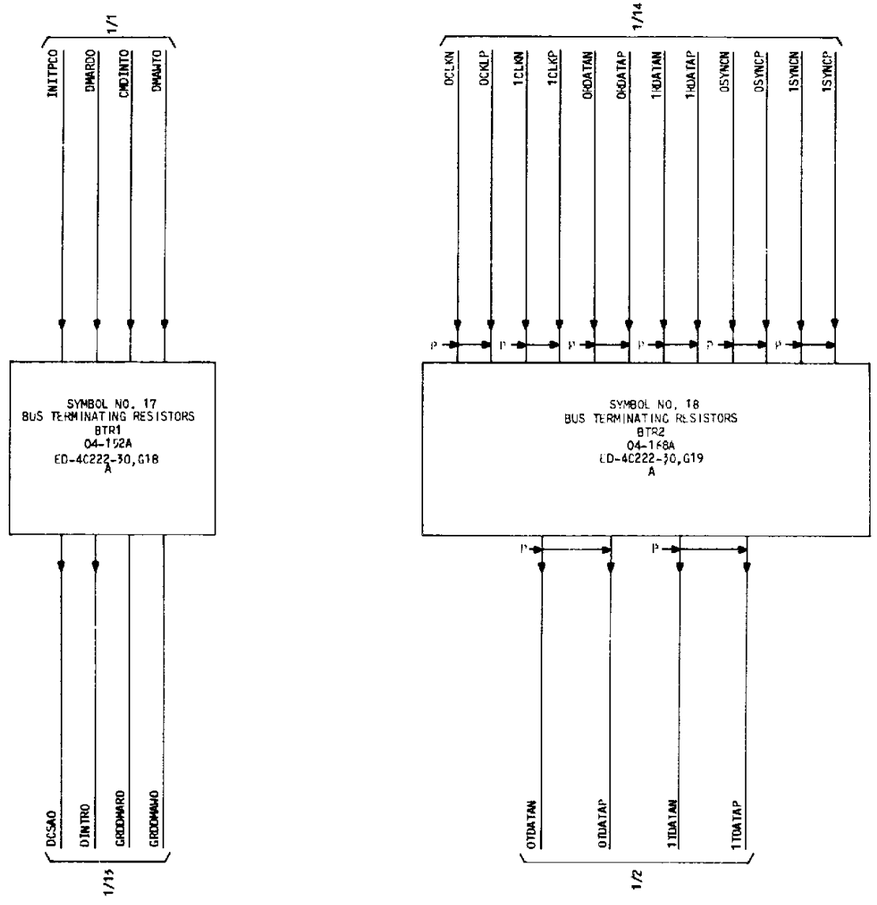
MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)



MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE 03	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	B##1AK

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)



SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE 6B	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	SHEET B OF IAL

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 1

MESSAGE SWITCH PERIPHERAL PROCESSOR - PUMP PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPAPPC	04-064	MC5D036A1	A	(T)
MSPPAPPC	04-064	MC5D066A1	A	(S)
MSPPAPPC	04-064	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	I	TVCLKB	313			
	I	TVCLKA	317			
-5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	I	+5	323		1/5,1/9 1/13,2/1 TO MESSAGE SWITCH CONTROL UNIT	
AADD2PE0	I	ADD2PE0	021		1/2	
ACLRISO0	I	CLRISOL0	343			
ACMDINT0	IO	CMDINT10	120		1/2	
ACSA0	O	CSA0	202		TO MESSAGE SWITCH CONTROL UNIT	
ADAT2PE0	I	DAT2PE0	121		1/2	
AENBYBYT	I	ENBYBYT0	134		1/2	
AENHIBYT	I	ENHIBYT0	035		1/3	
AENLOBYT	I	ENLOBYT0	034		1/2	
AERR0	O	ERR0	102		TO MESSAGE SWITCH CONTROL UNIT	
AINHRTCT	I	INHRTCT0	243			
AINTR0	O	INTR0	302		TO MESSAGE SWITCH CONTROL UNIT	
AMONDBCS	O	MONDBCS0	341			
APBHE0	IO	PBHE0	018		1/3	
APCSEL0	I	PCSEL0	305		TO MESSAGE SWITCH CONTROL UNIT	
APICINIT	I	PICINIT0	342			
APUMPCS0	O	PUMPCS0	119		1/3	
AP1IN	I	P1IN	037		1/3	
APZIN	I	PZIN	118			
ARASOK1	I	RASOK1	019		1/3	
ASR0	O	SR0	002		TO MESSAGE SWITCH CONTROL UNIT	
ASTAT863	O	STAT86S3	233			
ASTAT864	O	STAT86S4	333			
ASTAT865	O	STAT86S5	234			
AUACEOP0	I	UACEOP0	241			
AUACINT0	I	UACINT0	242			
AWDDAT00	O	WDDATA00	235			
AWDDAT01	O	WDDATA01	335			
AWDDAT02	O	WDDATA02	236			
AWDDAT03	O	WDDATA03	336			
AWDDAT04	O	WDDATA04	237			
AWDDAT05	O	WDDATA05	337			
AWDDAT06	O	WDDATA06	238			
AWDDAT07	O	WDDATA07	338			
AXADDPH	IO	XADDPH	156		1/3,1/4	
AXADDPL	IO	XADDPL	056		1/3,1/4 1/2	
AXADDPU	IO	XADDPU	255		1/3	
AXADD00	IO	XADD00	046		1/3,1/4 1/2	
AXADD01	IO	XADD01	146		1/3,1/4 1/2	

SYMBOL NO. 1 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR - PUMP PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPAPPC	04-064	MC5D036A1	A	(T)
MSPPAPPC	04-064	MC5D066A1	A	(S)
MSPPAPPC	04-064	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
AXADD02	IO	XADD02	047		1/3,1/4 1/2	
AXADD03	IO	XADD03	147		1/3,1/4 1/2	
AXADD04	IO	XADD04	048		1/3,1/4 1/2	
AXADD05	IO	XADD05	148		1/3,1/4 1/2	
AXADD06	IO	XADD06	049		1/3,1/4 1/2	
AXADD07	IO	XADD07	149		1/3,1/4 1/2	
AXADD08	IO	XADD08	050		1/3,1/4	
AXADD09	IO	XADD09	150		1/3,1/4	
AXADD10	IO	XADD10	051		1/3,1/4	
AXADD11	IO	XADD11	151		1/3,1/4	
AXADD12	IO	XADD12	052		1/3,1/4	
AXADD13	IO	XADD13	152		1/3,1/4	
AXADD14	IO	XADD14	053		1/3,1/4	
AXADD15	IO	XADD15	153		1/3,1/4	
AXADD16	IO	XADD16	054		1/3,1/4	
AXADD17	IO	XADD17	154		1/3,1/4	
AXADD18	IO	XADD18	055		1/3,1/4	
AXADD19	IO	XADD19	155		1/3,1/4	
AXALMPGE	O	XALMPGE0	020		1/2,1/3 1/4	
AXCK4MHZ	O	XCLK4MHZ	043		1/2,1/3 1/4	
AXCLK86	O	XCLK86	355		1/3,1/4	
AXCLRESR	O	XCLRESR0	133		1/2,1/3 1/4	
AXCONTWS	I	CONTWS0	036			
AXCSMIND	O	XCSMIND0	143		1/2,1/3 1/4	
AXDATAPH	IO	DATPARH1	354		1/3	
AXDATAPL	IO	DATPARL0	254		1/2,1/3 1/4	
AXDATA00	IO	BYDATA00	246		1/2,1/3 1/4	
AXDATA01	IO	BYDATA01	346		1/2,1/3 1/4	
AXDATA02	IO	BYDATA02	247		1/2,1/3 1/4	
AXDATA03	IO	BYDATA03	347		1/2,1/3 1/4	
AXDATA04	IO	BYDATA04	248		1/2,1/3 1/4	
AXDATA05	IO	BYDATA05	348		1/2,1/3 1/4	
AXDATA06	IO	BYDATA06	249		1/2,1/3 1/4	
AXDATA07	IO	BYDATA07	349		1/2,1/3 1/4	
AXDATA08	IO	WDDATA08	250		1/3	
AXDATA09	IO	WDDATA09	350		1/3	
AXDATA10	IO	WDDATA10	251		1/3	
AXDATA11	IO	WDDATA11	351		1/3	
AXDATA12	IO	WDDATA12	252		1/3	
AXDATA13	IO	WDDATA13	352		1/3	
AXDATA14	IO	WDDATA14	253		1/3	
AXDATA15	IO	WDDATA15	353		1/3	
AXDIRLRW	O	XDIRLRW	137			
AXDYRWAT	O	XDYRWAT0	136		1/3,1/4	
AXD86TIR	O	XD86TIR0	140		1/2,1/3 1/4	

SYMBOL NO. 1 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR - PUMP PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPAPPC	04-064	MC5D036A1	A	(T)
MSPPAPPC	04-064	MC5D066A1	A	(S)
MSPPAPPC	04-064	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
AXFUNCN1	O	XFUNCEN1	122		1/2,1/3 1/4	
AXHLDACK	O	XHLDACK0	139		1/2,1/3 1/4	
AXHLDREQ	I	XHLDREQ0	039		1/2	
AXINTACK	O	XINTACK0	138		1/2,1/3	
AXINTREQ	I	XINTREQ0	038		1/2	
AXIORD0	O	XIORD0	041		1/2,1/3 1/4	
AXIOWT0	O	XIOWT0	141		1/2,1/3 1/4	
AXLATCH0	O	XLATCH0	135		1/2,1/3 1/4	
AXMEMRD0	IO	XMEMRD	042		1/3	
AXMEMWT0	IO	XMEMWT	142		1/3	
AXMEMIO	O	XMEMIO0	040		1/2,1/3 1/4	
AXPWRRST	O	XPWRRST0	022			
AXRD860	O	XRD860	232			
AXWT860	O	XWT860	332			
AX10MINT	O	X10MSINT	033		1/2,1/3	
CMDINT0	I	CMDINT0	303		1/5,1/9 1/13 1/17 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD001	I	DMAAD001	009		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD011	I	DMAAD011	109		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD021	I	DMAAD021	010		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD031	I	DMAAD031	110		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD041	I	DMAAD041	011		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD051	I	DMAAD051	111		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD061	I	DMAAD061	013		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD071	I	DMAAD071	113		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD081	I	DMAAD081	014		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	

SYMBOL NO. 1 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR - PUMP PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPAPPC	04-064	MC5D036A1	A	(T)
MSPPAPPC	04-064	MC5D066A1	A	(S)
MSPPAPPC	04-064	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DMAAD091	I	DMAAD091	114		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD101	I	DMAAD101	015		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD111	I	DMAAD111	115		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD121	I	DMAAD121	016		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD131	I	DMAAD131	116		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD141	I	DMAAD141	017		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAAD151	I	DMAAD151	117		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADAP1	IO	DMADAP1	205		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA001	IO	DMADA001	005		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA011	IO	DMADA011	105		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA021	IO	DMADA021	006		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA031	IO	DMADA031	106		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	

PART OF FS 1

SYMBOL(S) 1

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE Z	ISSUE 5B
AT&T BELL LABORATORIES	SD-5D136-01	B#1CA

PRINTED IN U. S. A. 06/03/85

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 1 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR - PUMP PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPAPPC	04-064	MC5D036A1	A	(T)
MSPPAPPC	04-064	MC5D066A1	A	(S)
MSPPAPPC	04-064	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DMADA041	IO	DMADA041	007		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA051	IO	DMADA051	107		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA061	IO	DMADA061	008		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMADA071	IO	DMADA071	108		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAOPC0	I	DMAOPC0	104		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMARD0	I	DMARD0	204	(Y,Z)	(Y,Z)1/5,(Y,Z)1/9 P/NOTE 311 (Y,Z)1/13 1/17 TO MESSAGE SWITCH CONTROL UNIT	
DMAREQ0	I	DMAREQ0	004		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
DMAWT0	I	DMAWT0	304	(Y,Z)	(Y,Z)1/5,(Y,Z)1/9 P/NOTE 311 (Y,Z)1/13 1/17 TO MESSAGE SWITCH CONTROL UNIT	
GRDDMAR0	GRD	GRD	201	(Y)	TO MESSAGE SWITCH CONTROL UNIT	P/DMARD0
GRDDMAW0	GRD	GRD	301	(Y)		P/DMAWT0
GRD04064	I	ENTVCLKB	213			
	I	ENTVCLKA	217			
	I	TVCLR1	224		TO MESSAGE SWITCH CONTROL UNIT	
	I	XPGM64E	324			
	GRD	GRD	023			P/NOTE 309
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			

SYMBOL NO. 1 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR - PUMP PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPAPPC	04-064	MC5D036A1	A	(T)
MSPPAPPC	04-064	MC5D066A1	A	(S)
MSPPAPPC	04-064	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
INITPC0	I	INITPC0	203		1/5,1/9 1/13 1/17 TO MESSAGE SWITCH CONTROL UNIT	
NCURPR	IO	NCURPR	01Z		1/2	
PCURPR	IO	PCURPR	112		1/2	
RISOL0	I	RISOL0	103		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
SISOL0	I	SISOL0	003		1/5,1/9 1/13 TO MESSAGE SWITCH CONTROL UNIT	
01TVLOPB	O	CLK500KH	316			
	I	IRTCLK	216			
01TVLOPC	O	ORTCD100	315			
	I	IRTCD100	215			
01TVLOPD	O	ORTCD10K	314			
	I	ISANTCLK	214			

SYMBOL NO. 2

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1A	04-048	UN1708	A	(U)
MMP1A	04-048	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ND	O	SYNCLKE1	013			
	O	MIBCLKE1	113			
	O	SEQPER0	219			
	O	RCVPER0	220			
	O	TSSLD1	221			
	O	CHKTSSP	222			
	O	SPAREG	223			
	(U)O	INVBIT6P	224			
	(V)O	SPAREF				
	O	SPARED	243			
	O	TRMPER0	319			
	O	TSSPER0	320			
	O	TSSCK	321			

SYMBOL NO. 2 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1A	04-048	UN1708	A	(U)
MMP1A	04-048	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	O	TSSPCK	322			
	O	SPAREE	323			
	O	SEQPAR	324			
	O	MIBERR1	333			
	O	SPAREC	343			
	I	TVACC1	232			
	I	TVACC2	233			
	I	TVACC3	332			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
AACNTACK	O	ACNTACK1	533		1/3	
AACNTREQ	I	ACNTREG0	535		1/3	
AADDPEA	I	ADDPEA	539		1/3	
AADDPEB	I	ADDPEB	439		1/4	
AADD2PE0	O	ADD2PE0	021		1/1	
AAMIBER1	I	AMIBERR1	542		1/3	
ABCNTACK	O	BCNTACK1	532		1/3	
ABCNTREQ	I	BCNTREG0	534		1/3	
ABMIBER1	I	BMIBERR1	442		1/4	
ACCNTACK	O	CCNTACK1	433		1/4	
ACCNTREQ	I	CCNTREG0	435		1/4	
ACHRPARA	O	CHRPARA	305		1/3	
ACHRPARB	O	CHRPARB	205		1/4	
ACHTPARA	O	CHTPARA	306		1/3	
ACHTPARB	O	CHTPARB	206		1/4	
ACLMIBE0	O	CLMIBE0	541		1/3,1/4	
ACMDINT0	I	CMDINT10	120		1/1	
ADATAPEA	I	DATAPEA	540		1/3	
ADATAPEB	I	DATAPEB	440		1/4	
ADAT2PE0	O	DAT2PE0	121		1/1	
ADCNTACK	O	DCNTACK1	432		1/4	
ADCNTREQ	I	DCNTREG0	434		1/4	
AENBYBYT	OT	ENBYBYT0	134		1/3,1/4	
	I				1/1	
AENLOBYT	OT	ENLOBYT0	034		1/3,1/4	
	I				1/1	
AE2MHZX	O	E2MHZX	509		1/3,1/4	
AINTRPAR	O	INTRPAR	502		1/3,1/4	
AL2MHZX	O	L2MHZX	513		1/3,1/4	
AMITDATA	I	AMIBTDAT	302		1/3	
AMITDATB	I	BMIBTDAT	202		1/4	
AMMP2BE0	I	MMP2BEG0	443		1/4	
APIIN	(U)GRD	PZIN	037			
	(V)GRD	GRD				
ARCVSELA	O	RCVSELA	304		1/3,1/4	
ARCVSELB	O	RCVSELB	303		1/3,1/4	
ARULDCKA	O	RULDCKNA	309		1/3	
ARULDCKB	O	RULDCKNB	209		1/4	
ARVCKENA	O	RCVCKENA	307		1/3	
ARVCKENB	O	RCVCKENB	207		1/4	
ARVTSDAT	(U)O	RVTSDATA	402		1/3,1/4	
	(V)O	RVTSDAT				
ASELTPAR	O	SELTPAR1	503		1/3,1/4	
ATLDCKNA	O	TLDCKNA	310		1/3	
ATLDCKNB	O	TLDCKNB	210		1/4	
ATRMCKEA	O	TRMCKENA	308		1/3	
ATRMCKEB	O	TRMCKENB	208		1/4	
ATRMSELA	O	TRMSELA	204		1/3,1/4	
ATRMSELB	O	TRMSELB	203		1/3,1/4	

SYMBOL NO. 2 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1A	04-048	UN1708	A	(U)
MMP1A	04-048	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ATS0RINT	I	TS0RINT	552		1/3	
ATS0TINT	I	TS0TINT	452		1/3	
ATS1RINT	I	TS1RINT	551		1/3	
ATS1TINT	I	TS1TINT	451		1/3	
ATS2RINT	I	TS2RINT	550		1/3	
ATS2TINT	I	TS2TINT	450		1/3	
ATS3RINT	I	TS3RINT	549		1/3	
ATS3TINT	I	TS3TINT	449		1/3	
ATS4RINT	I	TS4RINT	548		1/4	
ATS4TINT	I	TS4TINT	448		1/4	
ATS5RINT	I	TS5RINT	547		1/4	
ATS5TINT	I	TS5TINT	447		1/4	
ATS6RINT	I	TS6RINT	546		1/4	
ATS6TINT	I	TS6TINT	446		1/4	
ATS7RINT	I	TS7RINT	545		1/4	
ATS7TINT	I	TS7TINT	445		1/4	
AXADDPL	I	XADDPL	056		1/1	
AXADD00	I	XADD00	046		1/1	
AXADD01	I	XADD01	146		1/1	
AXADD02	I	XADD02	047		1/1	
AXADD03	I	XADD03	147		1/1	
AXADD04	I	XADD04	048		1/1	
AXADD05	I	XADD05	148		1/1	
AXADD06	I	XADD06	049		1/1	
AXADD07	I	XADD07	149		1/1	
AXALWPGE	I	XALWPGE0	020		1/1	
AXCK4MHZ	I	XCLK4MHZ	043		1/1	
AXCLRESR	I	XCLRESR0	133		1/1	
AXCSWIND	I	XCSWIND0	143		1/1	
AXDATAPL	IO	DATPARL0	254		1/1	
AXDATA00	IO	BYDATA00	246		1/1	
AXDATA01	IO	BYDATA01	346		1/1	
AXDATA02	IO	BYDATA02	247		1/1	
AXDATA03	IO	BYDATA03	347		1/1	
AXDATA04	IO	BYDATA04	248		1/1	
AXDATA05	IO	BYDATA05	348		1/1	
AXDATA06	IO	BYDATA06	249		1/1	
AXDATA07	IO	BYDATA07	349		1/1	
AXD86T1R	I	XD86T1R0	140		1/1	
AXFUNCEN1	I	XFUNCEN1	122		1/1	
AXHLDACK	I	XHLDACK0	139		1/1	
AXHLDREQ	O	XHLDREQ0	039		1/1	
AXINTACK	I	XINTACK0	138		1/1	
AXINTREQ	OT	XINTREQ0	038		1/3	
	I				1/1	
AXIORD0	I	XIORD0	041		1/1	
AXIOWT0	I	XIOWT0	141		1/1	
AXLATCH0	I	XLATCH0	135		1/1	
AXMEM1I0	I	XMEM1I00	040		1/1	

PART OF FS 1

SYMBOL(S) 1 2

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE Z	ISSUE 5B
AT&T BELL LABORATORIES	SD-5D136-01	B#1CB
PRINTED IN U. S. A.		06/03/85

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 2 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1A	04-048	UN170B	A	(U)
MMP1A	04-048	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
AX10MINT	I	X10MSINT	033		1/1	
AX25CKRA	O	X25CLKRA	106		1/3	
AX25CKRB	O	X25CLKRB	006		1/4	
AX25CKTA	O	X25CLKTA	105		1/3	
AX25CKTB	O	X25CLKTB	005		1/4	
GRD0048	I	MMPSELB	002			
	I	MMPSELA	003			
	I	TSTVET1	007			
	(U)I	GRD	444			
	(V)GRD	GRD				
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
	GRD	GRD	400			
	GRD	GRD	401			
	GRD	GRD	410			
	GRD	GRD	411			
	GRD	GRD	412			
	GRD	GRD	500			
	GRD	GRD	501			
	GRD	GRD	510			
	GRD	GRD	511			
	GRD	GRD	512			
	GRD	GRD	544			
NCURPR	OT	-CURPR	012		1/3,1/4 1/6,1/7 1/8,1/10 1/11,1/12 1/14,1/15 1/16	
	I				1/1,1/5 1/9,1/13 Z/1	
PCURPR	OT	+CURPR	112		1/3,1/4 1/6,1/7 1/8,1/10 1/11,1/12 1/14,1/15 1/16	
	I				1/1,1/5 1/9,1/13 Z/1	
SEQADDR8	I	SEQADDR8	103		1/6,1/10 1/14	
SEQADDR9	I	SEQADDR9	102		1/6,1/10	

SYMBOL NO. 2 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1A	04-048	UN170B	A	(U)
MMP1A	04-048	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					1/14	
OCLKN	I	OCLKN	235		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/OCLKP
OCLKP	I	OCLKP	335		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/OCLKN
ORDATAN	I	ORDATAN	237		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/ORDATAP
ORDATAP	I	ORDATAP	337		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/ORDATAN
OSYNCN	I	OSYNCN	234		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/OSYNCP
OSYNCP	I	OSYNCP	334		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/OSYNCN
OTDATAN	OT	OTDATAN	236		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/OTDATAP
OTDATAP	OT	OTDATAP	336		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/OTDATAN
02TVLOPD	I	TSTVET0	008			
1CLKN	I	1CLKN	240		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1CLKP
1CLKP	I	1CLKP	340		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1CLKN
1RDATAN	I	1RDATAN	242		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1RDATAP
1RDATAP	I	1RDATAP	342		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1RDATAN
1SYNCN	I	1SYNCN	239		1/6,1/10 1/14	P/1SYNCP

SYMBOL NO. 2 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1A	04-048	UN170B	A	(U)
MMP1A	04-048	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					1/18 TO MESSAGE INTERFACE/CLOCK UNIT	
1SYNCP	I	1SYNCP	339		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1SYNCN
1TDATAN	OT	1TDATAN	241		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1TDATAP
1TDATAP	OT	1TDATAP	341		1/6,1/10 1/14 1/18 TO MESSAGE INTERFACE/CLOCK UNIT	P/1TDATAN

SYMBOL NO. 3

MODULE MESSAGE PROCESSOR 2A - PUMP PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AA	04-056	MC5D037A1	A	(3)
PPC	04-056	MC5D041A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	(3)O	GRD	003			
	(13)O	MUX00				
	(1)O	MUX01	004			
	(1)O	MUX02	005			
	(1)O	FRMTST1	014			
	(1)O	FRMTST2	015			
	(1)O	CSBUFB0	016			
	(1)O	WTDAEN80	017			
	(1)O	MUX03	102			
	(1)O	MUX04	103			
	(1)O	MUX05	104			
	(1)O	MUX06	105			
	(1)O	MUX07	113			
	(1)O	GENFRBIT	114			
	(1)O	CLK6BLAT	115			
	(1)O	CSBUFA0	116			
	(1)O	WTDAEN40	117			
	(1)O	MUX08	202			
	(1)O	MUX09	203			
	(1)O	MUX10	204			
	(1)O	MUX11	205			
	(1)O	MUX12	206			
	(3)O	TS3TDAT	232			
	(13)O	DAPARER1				
	(3)O	TS2TDAT	233			
	(13)O	ADPARER1				
	(1)O	TSRAMER1	238			

SYMBOL NO. 3 (CONT)

MODULE MESSAGE PROCESSOR 2A - PUMP PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AA	04-056	MC5D037A1	A	(3)
PPC	04-056	MC5D041A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	(13)O	RDPARER1	243			
	(1)O	MUX13	302			
	(1)O	MUX14	303			
	(1)O	MUX15	304			
	(3)O	TS3DAT	332			
	(13)O	PRTERR1				
	(3)O	TS2DAT	333			
	(13)O	ABFULER1				
	(1)O	DTRCOMP1	343			
	(1)I	TSTVET0	013			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
AADNTACK	(3)I	CNTAADK1	220		1/2	
AACNTREQ	(3)O	CNTAREQ0	320		1/2	
AADDPEA	(3)O	ADDPE0	213		1/2	
AARIBER1	(3)O	MIBERR1	215		1/2	
ABCNTACK	(3)I	CNTBACK1	219		1/2	
	(13)N1	RDPARL0				
ABCNTREQ	(3)O	CNTBREQ0	319		1/2	
	(13)N1	RDPARH1				
ACHPPARA	(3)I	CHRPAR	216		1/2	
ACHTPARA	(3)I	CHTPAR	316		1/2	
ACLMIBE0	(3)I	CLMIERR0	214		1/2	
ADATAPEA	(3)O	DATAPE0	313		1/2	
AENBYBYT	OT	ENBYBYT0	134		1/2	
AENMIBYT	(1)O	ENMIBYT0	035		1/1	
AENLOBYT	OT	ENLOBYT0	036		1/2	
AEZMHZX	(3)I	EZMHZX	002		1/2	
AINVRPAR	(3)I	INVRPAR	306		1/2	
ALZMHZX	(3)I	LZMHZX	006		1/2	
AMITDATA	(3)O	MIBTDAT	106		1/2	
APBHE0	(3)OT	PBHE0	018		1/4	
	(13)I	PBHE)			1/1	
APUMPCS0	(1)I	PUMPCS0	119		1/1	
AP11N	(3)OT	GRD	037		1/4	
	(13)GRD	GRD			1/1	
AP21N	(1)GRD	GRD	118			
ARASOK1	(3)OT I	RASOK1	019		1/4 1/1	
ARCVSELA	(3)I	RCKSELA	209		1/2	
ARCVSELB	(3)I	RCKSELB	208		1/2	
ARUNLDCKA	(3)I	RUNLDCKN	210		1/2	
ARVCKENA	(3)I	RCKENAB	207		1/2	
ARVTSDAT	(3)I	RVTSDATA	317		1/2	
ASELTPAR	(3)I	SELTPAR1	305		1/2	
ATLDCKNA	(3)I	TLDCLKN	310		1/2	
ATPMCKEA	(3)I	TCKENAB	307		1/2	
ATRMSELA	(3)I	TCKSELA	309		1/2	
ATRMSELB	(3)I	TCKSELB	308		1/2	

PART OF FS 1
SYMBOL(S) 2 3

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE: D	ISSUE: 5B
AT&T BELL LABORATORIES	SD-5D136-01	B#1CC

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PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 3 (CONT)

MODULE MESSAGE PROCESSOR 2A - PUMP PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AA	04-056	MC5D037A1	A	(3)
PPC	04-056	MC5D041A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ATSORINT	(3)O	TSORINT	224		1/2	
ATS0TINT	(3)O	TS0TINT	324		1/2	
ATS1RINT	(3)O	TS1RINT	223		1/2	
ATS1TINT	(3)O	TS1TINT	323		1/2	
ATS2RINT	(3)O	TS2RINT	222		1/2	
ATS2TINT	(3)O	TS2TINT	322		1/2	
ATS3RINT	(3)O	TS3RINT	221		1/2	
ATS3TINT	(3)O	TS3TINT	321		1/2	
AXADDPH	(3)IO	XADDPH	156		1/1	
	(13)I	XADDPH				
AXADDPL	(3)IO	XADDPL	056		1/1	
	(13)I	XADDPL				
AXADDPU	(3)OT	XADDPU	255		1/4	
	I				1/1	
AXADD00	(3)IO	XADD00	046		1/1	
	(13)I	XADD00				
AXADD01	(3)IO	XADD01	146		1/1	
	(13)I	XADD01				
AXADD02	(3)IO	XADD02	047		1/1	
	(13)I	XADD02				
AXADD03	(3)IO	XADD03	147		1/1	
	(13)I	XADD03				
AXADD04	(3)IO	XADD04	048		1/1	
	(13)I	XADD04				
AXADD05	(3)IO	XADD05	148		1/1	
	(13)I	XADD05				
AXADD06	(3)IO	XADD06	049		1/1	
	(13)I	XADD06				
AXADD07	(3)IO	XADD07	149		1/1	
	(13)I	XADD07				
AXADD08	(3)IO	XADD08	050		1/1	
	(13)I	XADD08				
AXADD09	(3)IO	XADD09	150		1/1	
	(13)I	XADD09				
AXADD10	(3)IO	XADD10	051		1/1	
	(13)I	XADD10				
AXADD11	(3)IO	XADD11	151		1/1	
	(13)I	XADD11				
AXADD12	(3)IO	XADD12	052		1/1	
	(13)I	XADD12				
AXADD13	(3)IO	XADD13	152		1/1	
	(13)I	XADD13				
AXADD14	(3)IO	XADD14	053		1/1	
	(13)I	XADD14				
AXADD15	(3)IO	XADD15	153		1/1	
	(13)I	XADD15				
AXADD16	(3)IO	XADD16	054		1/1	
AXADD17	(3)IO	XADD17	154		1/1	
AXADD18	(3)IO	XADD18	055		1/1	
AXADD19	(3)IO	XADD19	155		1/1	
AXALWPGE	I	XALWPGE0	020		1/1	
AXCK4MHZ	(3)I	XCLK4MHZ	043		1/1	
AXCLK86	I	XCLK86	355		1/1	
AXCLRESR	(3)I	XCLRESR0	133		1/1	
AXCSHIND	I	XCSHIND0	143		1/1	
AXDATAPH	(1)I	DATPARHI	354		1/1	
AXDATAPL	IO	DATPARL0	254		1/1	
AXDATA00	IO	BYDATA00	246		1/1	
AXDATA01	IO	BYDATA01	346		1/1	
AXDATA02	IO	BYDATA02	247		1/1	
AXDATA03	IO	BYDATA03	347		1/1	
AXDATA04	IO	BYDATA04	248		1/1	

SYMBOL NO. 3 (CONT)

MODULE MESSAGE PROCESSOR 2A - PUMP PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AA	04-056	MC5D037A1	A	(3)
PPC	04-056	MC5D041A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
AXDATA05	IO	BYDATA05	348		1/1	
AXDATA06	IO	BYDATA06	249		1/1	
AXDATA07	IO	BYDATA07	349		1/1	
AXDATA08	(1)I	WDDATA08	250		1/1	
AXDATA09	(1)I	WDDATA09	350		1/1	
AXDATA10	(1)I	WDDATA10	251		1/1	
AXDATA11	(1)I	WDDATA11	351		1/1	
AXDATA12	(1)I	WDDATA12	252		1/1	
AXDATA13	(1)I	WDDATA13	352		1/1	
AXDATA14	(1)I	WDDATA14	253		1/1	
AXDATA15	(1)I	WDDATA15	353		1/1	
AXDYPWAT	(3)I	XDYPWAT0	136		1/1	
AXDB6TIR	(3)I	XDB6TIR0	140		1/1	
AXFUNCN1	(3)I	XFUNCEN1	122		1/1	
AXHLDACK	(3)I	XHLDACK0	139		1/1	
AXINTACK	(1)I	XINTACK0	138		1/1	
AXINTREQ	(1)OT	XINTREQ0	038		1/2	
AXIORD0	I	XIORD0	041		1/1	
AXIOWT0	I	XIOWT0	141		1/1	
AXLATCH0	I	XLATCH0	135		1/1	
AXMEMRD0	(3)OT	XMEMRD	042		1/4	
	(13)I	XMEMRD			1/1	
AXMEMWT0	(3)OT	XMEMWT	142		1/4	
	(13)I	XMEMWT			1/1	
AXMEM1I0	I	XMEM1I00	040		1/1	
AX10MINT	(1)I	X10MSINT	033		1/1	
AXZ5CKRA	(3)I	XZ5CLKR	218		1/2	
AXZ5CKTA	(3)I	XZ5CLKT	318		1/2	
GRD0-056	(5)I	TN858SEL	314			
		GRD GRD	023			
		GRD GRD	024			
		GRD GRD	032			
		GRD GRD	044			
		GRD GRD	045			
		GRD GRD	123			
		GRD GRD	124			
		GRD GRD	132			
		GRD GRD	144			
		GRD GRD	145			
		GRD GRD	200			
		GRD GRD	201			
		GRD GRD	211			
		GRD GRD	212			
		GRD GRD	244			
		GRD GRD	245			
		GRD GRD	256			
		GRD GRD	300			
		GRD GRD	301			
		GRD GRD	311			
		GRD GRD	312			
		GRD GRD	344			
		GRD GRD	345			
		GRD GRD	356			
NCURPR	(3)OT	-CURPR	012		1/2	
	(13)OT	NCURPR				
PCURPR	(3)OT	+CURPR	112		1/2	
	(13)OT	PCURPR				
POCLKN	(5)O	TS0TDAT	235		TO MESSAGE INTERFACE/CLOCK UNIT	
	(15)I	OCLKN				

SYMBOL NO. 3 (CONT)

MODULE MESSAGE PROCESSOR 2A - PUMP PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AA	04-056	MC5D037A1	A	(3)
PPC	04-056	MC5D041A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
POCLKP	(3)O	TS0DAT	335		TO MESSAGE INTERFACE/CLOCK UNIT	
	(13)I	OCLKP				
PORDATAN	(1)I	ORDATAN	237		TO MESSAGE INTERFACE/CLOCK UNIT	
PORDATAP	(1)I	ORDATAP	337		TO MESSAGE INTERFACE/CLOCK UNIT	
POSYNCN	(3)O	TS1TDAT	234		TO MESSAGE INTERFACE/CLOCK UNIT	
	(13)I	OSYNCN				
POSYNCP	(3)O	TS1DAT	334		TO MESSAGE INTERFACE/CLOCK UNIT	
	(13)I	OSYNCP				
POTDATAN	(1)O	OTDATAN	236		TO MESSAGE INTERFACE/CLOCK UNIT	
POTDATAP	(1)O	OTDATAP	336		TO MESSAGE INTERFACE/CLOCK UNIT	
P1CLKN	(1)I	1CLKN	240		TO MESSAGE INTERFACE/CLOCK UNIT	
P1CLKP	(1)I	1CLKP	340		TO MESSAGE INTERFACE/CLOCK UNIT	
P1RDATAN	(1)I	1RDATAN	Z42		TO MESSAGE INTERFACE/CLOCK UNIT	
P1RDATAP	(1)I	1RDATAP	342		TO MESSAGE INTERFACE/CLOCK UNIT	
P1SYNCN	(1)I	1SYNCN	Z39		TO MESSAGE INTERFACE/CLOCK UNIT	
P1SYNCP	(1)I	1SYNCP	339		TO MESSAGE INTERFACE/CLOCK UNIT	
P1TDATAN	(1)O	1TDATAN	Z41		TO MESSAGE INTERFACE/CLOCK UNIT	
P1TDATAP	(1)O	1TDATAP	341		TO MESSAGE INTERFACE/CLOCK UNIT	
03TVLOPA	(13)O	CKWDCTR0	111			
	(3)I	TSTJET0	011			
	(13)I	CKWDCTR1				
03TVLOPB	(3)O	X253.5	110			
	(13)O	CLKSPSR0				
	(3)I	XX253.5M	010			
	(13)I	CLKSPSR1				
03TVLOPC	(3)O	ENAWTBUF	109			
	(13)O	RDBUFM0				
	(3)I	ENWTBUF	009			
	(13)I	RDBUFM1				
03TVLOPD	(3)O	BRDRD0	108			
	(13)O	CLKFTBU0				
	(3)I	BORD0	008			
	(13)I	CLKFTBU1				

PART OF FS 1

SYMBOL(S) 3

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE D	ISSUE 5B
AT&T BELL LABORATORIES	SD-5D136-01	B#1CD

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PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 4

MODULE MESSAGE PROCESSOR 2B

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BA	04-040	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	TS3TDAT	232			
	O	TS2TDAT	233			
	O	TS1TDAT	234			
	O	TS0TDAT	235			
	O	TS3DAT	332			
	O	TS2DAT	333			
	O	TS1DAT	334			
	O	TS0DAT	335			
	I	TH858SEL	31.			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
A-ADDPEB	O	ADDPE0	213		1/2	
ABMIBER1	O	MIBERR1	215		1/2	
ACCNTACK	I	CNTAACK1	220		1/2	
ACCNTREQ	O	CNTAREQ0	320		1/2	
ACHRPARB	I	CHRPAR	216		1/2	
ACHTPARB	I	CHTPAR	316		1/2	
ACLMIBE0	I	CLMIERR0	214		1/2	
ADATAPEB	O	DATAPE0	313		1/2	
ADCNTACK	I	CNTBACK1	219		1/2	
ADCNTREQ	O	CNTBREQ0	319		1/2	
AENBYBYT	OT	ENBYBYT0	134		1/2	
AENLOBYT	OT	ENLOBYT0	034		1/2	
AE2MHZX	I	E2MHZX	002		1/2	
A-INVRPAR	I	INVRPAR	306		1/2	
AL2MHZX	I	L2MHZX	006		1/2	
AMIDATB	O	MIBTDAT	106		1/2	
AMMP2BE0	O	GRD	003		1/2	
APBHE0	OT	PBHE0	018		1/3	
AP1IN	OT	GRD	037		1/3	
ARASOK1	OT	RASOK1	019		1/3	
ARCVSELA	I	RCKSELA	209		1/2	
ARCVSELB	I	RCKSELB	208		1/2	
ARULOCKB	I	RUNLOCKN	210		1/2	
ARVCKENB	I	RCKENAB	207		1/2	
ARVTSDAT	I	RVTSDATA	317		1/2	
ASELTPAR	I	SELTPART	305		1/2	
ATLOCKNB	I	TLOCLKN	310		1/2	
ATRMCKEB	I	TCKENAB	307		1/2	
ATRMSELA	I	TCKSELA	309		1/2	
ATRMSELB	I	TCKSELB	308		1/2	
ATS4RINT	O	TS0RINT	224		1/2	
ATS4TINT	O	TS0TINT	324		1/2	
ATS5RINT	O	TS1RINT	223		1/2	
ATS5TINT	O	TS1TINT	323		1/2	
ATS6RINT	O	TS2RINT	222		1/2	
ATS6TINT	O	TS2TINT	322		1/2	
ATS7RINT	O	TS3RINT	221		1/2	
ATS7TINT	O	TS3TINT	321		1/2	
AXADDPH	IO	XADDPH	156		1/1	
AXADDPL	IO	XADDPL	056		1/1	
AXADDPU	OT	XADDPU	255		1/3	
AXADD00	IO	XADD00	046		1/1	
AXADD01	IO	XADD01	146		1/1	
AXADD02	IO	XADD02	047		1/1	
AXADD03	IO	XADD03	147		1/1	
AXADD04	IO	XADD04	048		1/1	
AXADD05	IO	XADD05	148		1/1	

SYMBOL NO. 4 (CONT)

MODULE MESSAGE PROCESSOR 2B

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BA	04-040	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
AXADD06	IO	XADD06	049		1/1	
AXADD07	IO	XADD07	149		1/1	
AXADD08	IO	XADD08	050		1/1	
AXADD09	IO	XADD09	150		1/1	
AXADD10	IO	XADD10	051		1/1	
AXADD11	IO	XADD11	151		1/1	
AXADD12	IO	XADD12	052		1/1	
AXADD13	IO	XADD13	152		1/1	
AXADD14	IO	XADD14	053		1/1	
AXADD15	IO	XADD15	153		1/1	
AXADD16	IO	XADD16	054		1/1	
AXADD17	IO	XADD17	154		1/1	
AXADD18	IO	XADD18	055		1/1	
AXADD19	IO	XADD19	155		1/1	
AXALWPGE	I	XALWPGE0	020		1/1	
AXCK4MHZ	I	XCLK4MHZ	043		1/1	
AXCLK86	I	XCLK86	355		1/1	
AXCLRESR	I	XCLRESR0	133		1/1	
AXCSWIND	I	XCSWIND0	143		1/1	
AXDATAPL	IO	DATPARLD	254		1/1	
AXDATA00	IO	BYDATA00	246		1/1	
AXDATA01	IO	BYDATA01	346		1/1	
AXDATA02	IO	BYDATA02	247		1/1	
AXDATA03	IO	BYDATA03	347		1/1	
AXDATA04	IO	BYDATA04	248		1/1	
AXDATA05	IO	BYDATA05	348		1/1	
AXDATA06	IO	BYDATA06	249		1/1	
AXDATA07	IO	BYDATA07	349		1/1	
AXDYRWAT	I	XDYRWAT0	136		1/1	
AXD86T1R	I	XD86T1R0	140		1/1	
AXFUNCEN1	I	XFUNCEN1	122		1/1	
AXHLDACK	I	XHLDACK0	139		1/1	
AXIORDO	I	XIORD0	041		1/1	
AXIOWTO	I	XIOWT0	141		1/1	
AXLATCH0	I	XLATCH0	135		1/1	
AXMEMRDO	OT	XMEMRD	042		1/3	
AXMEMWTO	OT	XMEMWT	142		1/3	
AXMEM110	I	XMEM110O	040		1/1	
AX25CKRB	I	X25CLKR	218		1/2	
AX25CKTB	I	X25CLKT	318		1/2	
GRD04040	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			

SYMBOL NO. 4 (CONT)

MODULE MESSAGE PROCESSOR 2B

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BA	04-040	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
04TVLOPA	I	TSTVETO	011			
04TVLOPB	O	XZ53.5	110			
	I	XO253.5M	010			
04TVLOPC	O	ENAWTBUF	109			
	I	ENWTBUF	009			
04TVLOPD	O	BRDRD0	108			
	I	BDRD0	008			

SYMBOL NO. 5

MESSAGE SWITCH PERIPERAL PROCESSOR - FOUNDATION PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPBFPC	04-080	MC5D036A1	A	(T)
MSPPBFPC	04-080	MC5D066A1	A	(S)
MSPPBFPC	04-080	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	MDMDBCS0	341			
	I	DACEOPO	241			
	I	DACINT0	242			
	I	INHRTCT0	243			
	I	TVCLKB	313			
	I	TVCLKA	317			
	I	PICINIT0	342			
	I	CLRISOL0	343			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	I	+5	323			
BADDZPE0	I	ADDZPE0	021		1/1	
BCMDINT0	IO	CMDINT10	120		1/6	
					1/6,1/7	
BCSA0	O	CSA0	202		TO MESSAGE SWITCH CONTROL UNIT	
BDATZPE0	I	DATZPE0	121		1/6	
BENBYBYT	I	ENBYBYT0	134		1/6	
BENHIBYT	I	ENHIBYT0	035			
BENLOBYT	I	ENLOBYT0	034		1/6	
BERR0	O	ERR0	102		TO MESSAGE SWITCH CONTROL UNIT	
BINTR0	O	INTR0	302		TO MESSAGE SWITCH CONTROL UNIT	
BPBHE0	IO	PBHE0	018		1/7	
BPCSEL0	I	PCSEL0	305		TO MESSAGE SWITCH CONTROL UNIT	

SYMBOL NO. 5 (CONT)

MESSAGE SWITCH PERIPERAL PROCESSOR - FOUNDATION PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPBFPC	04-080	MC5D036A1	A	(T)
MSPPBFPC	04-080	MC5D066A1	A	(S)
MSPPBFPC	04-080	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BPUPPCS0	O	PUPPCS0	119			
BP1IN	I	P1IN	037		1/7	
BP2IN	I	P2IN	118		1/7	
BRASOK1	I	RASOK1	019		1/7	
BSR0	O	SR0	002		TO MESSAGE SWITCH CONTROL UNIT	
BSTAT863	O	STAT863	233			
BSTAT864	O	STAT864	333			
BSTAT865	O	STAT865	234			
BMDDAT00	O	MDDATA00	235			
BMDDAT01	O	MDDATA01	335			
BMDDAT02	O	MDDATA02	236			
BMDDAT03	O	MDDATA03	336			
BMDDAT04	O	MDDATA04	237			
BMDDAT05	O	MDDATA05	337			
BMDDAT06	O	MDDATA06	238			
BMDDAT07	O	MDDATA07	338			
BXADDPH	IO	XADDPH	156		1/7,1/8	
BXADDPL	IO	XADDPL	056		1/7,1/8	
					1/6	
BXADDPU	IO	XADDPU	255		1/7	
BXADD00	IO	XADD00	046		1/7,1/8	
					1/6	
BXADD01	IO	XADD01	146		1/7,1/8	
					1/6	
BXADD02	IO	XADD02	047		1/7,1/8	
					1/6	
BXADD03	IO	XADD03	147		1/7,1/8	
					1/6	
BXADD04	IO	XADD04	048		1/7,1/8	
					1/6	
BXADD05	IO	XADD05	148		1/7,1/8	
					1/6	
BXADD06	IO	XADD06	049		1/7,1/8	
					1/6	
BXADD07	IO	XADD07	149		1/7,1/8	
					1/6	
BXADD08	IO	XADD08	050		1/7,1/8	
BXADD09	IO	XADD09	150		1/7,1/8	
BXADD10	IO	XADD10	051		1/7,1/8	
BXADD11	IO	XADD11	151		1/7,1/8	
BXADD12	IO	XADD12	052		1/7,1/8	
BXADD13	IO	XADD13	152		1/7,1/8	
BXADD14	IO	XADD14	053		1/7,1/8	
BXADD15	IO	XADD15	153		1/7,1/8	
BXADD16	IO	XADD16	054		1/7,1/8	
BXADD17	IO	XADD17	154		1/7,1/8	
BXADD18	IO	XADD18	055		1/7,1/8	
BXADD19	IO	XADD19	155		1/7,1/8	
BXALWPGE	O	XALWPGE0	020		1/6,1/7	

PART OF FS 1
SYMBOL(S) 4 5

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE	ISSUE
D2	5B

AT&T BELL LABORATORIES | SD-5D136-01 | B#1CE

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PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 5 (CONT)

MESSAGE SWITCH PERIPERAL PROCESSOR - FOUNDATION PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPBFPC	04-080	MC5D036A1	A	(T)
MSPPBFPC	04-080	MC5D066A1	A	(S)
MSPPBFPC	04-080	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BXCK4MHZ	O	XCLK4MHZ	043		1/8	
BXCLK86	O	XCLK86	355		1/6,1/7 1/8	
BXCLRESR	O	XCLRESR0	133		1/7,1/8 1/6,1/7 1/8	
BXCONTWS	I	CONTWS0	036			
BXCSWIND	O	XCSWIND0	143		1/6,1/7 1/8	
BXDATAPH	IO	DATPARHI	354			
BXDATAPL	IO	DATPARLO	254		1/6,1/7 1/8	
BXDATA00	IO	BYDATA00	246		1/6,1/7 1/8	
BXDATA01	IO	BYDATA01	346		1/6,1/7 1/8	
BXDATA02	IO	BYDATA02	247		1/6,1/7 1/8	
BXDATA03	IO	BYDATA03	347		1/6,1/7 1/8	
BXDATA04	IO	BYDATA04	248		1/6,1/7 1/8	
BXDATA05	IO	BYDATA05	348		1/6,1/7 1/8	
BXDATA06	IO	BYDATA06	249		1/6,1/7 1/8	
BXDATA07	IO	BYDATA07	349		1/6,1/7 1/8	
BXDATA08	IO	WDDATA08	250			
BXDATA09	IO	WDDATA09	350			
BXDATA10	IO	WDDATA10	251			
BXDATA11	IO	WDDATA11	351			
BXDATA12	IO	WDDATA12	252			
BXDATA13	IO	WDDATA13	352			
BXDATA14	IO	WDDATA14	253			
BXDATA15	IO	WDDATA15	353			
BXDIRLRW	O	XDIRLRHW	137			
BXDYRWAT	O	XDYRWAT0	136		1/7,1/8	
BXD86T1R	O	XD86T1R0	140		1/6,1/7 1/8	
BXFUNCN1	O	XFUNCEN1	122		1/6,1/7 1/8	
BXHLDACK	O	XHLDACK0	139		1/6,1/7 1/8	
BXHLDREQ	I	XHLDREQ0	039		1/6	
BXINTACK	O	XINTACK0	138		1/6,1/7	
BXINTREQ	I	XINTREQ0	038		1/6	
BXIORDO	O	XIORDO	041		1/6,1/7 1/8	
BXIOWTO	O	XIOWTO	141		1/6,1/7 1/8	
BXLATCH0	O	XLATCH0	135		1/6,1/7 1/8	
BXMEMRD0	IO	XMEMRD	042		1/7	
BXMEMWT0	IO	XMEMWT	142		1/7	
BXMEM110	O	XMEM1100	040		1/6,1/7 1/8	
BXPWRRST	O	XPWRRST0	022		1/7	
BXRD860	O	XRD860	232			
BXWT860	O	XWT860	332			
BX10MINT	O	X10MSINT	033		1/6,1/7	
CMDINT0	I	CMDINT0	303		1/1	
DMAAD001	I	DMAAD001	009		1/1	
DMAAD011	I	DMAAD011	109		1/1	

SYMBOL NO. 5 (CONT)

MESSAGE SWITCH PERIPERAL PROCESSOR - FOUNDATION PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPBFPC	04-080	MC5D036A1	A	(T)
MSPPBFPC	04-080	MC5D066A1	A	(S)
MSPPBFPC	04-080	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DMAAD021	I	DMAAD021	010		1/1	
DMAAD031	I	DMAAD031	110		1/1	
DMAAD041	I	DMAAD041	011		1/1	
DMAAD051	I	DMAAD051	111		1/1	
DMAAD061	I	DMAAD061	013		1/1	
DMAAD071	I	DMAAD071	113		1/1	
DMAAD081	I	DMAAD081	014		1/1	
DMAAD091	I	DMAAD091	114		1/1	
DMAAD101	I	DMAAD101	015		1/1	
DMAAD111	I	DMAAD111	115		1/1	
DMAAD121	I	DMAAD121	016		1/1	
DMAAD131	I	DMAAD131	116		1/1	
DMAAD141	I	DMAAD141	017		1/1	
DMAAD151	I	DMAAD151	117		1/1	
DMADAP1	IO	DMADAP1	205		1/1	
DMADA001	IO	DMADA001	005		1/1	
DMADA011	IO	DMADA011	105		1/1	
DMADA021	IO	DMADA021	006		1/1	
DMADA031	IO	DMADA031	106		1/1	
DMADA041	IO	DMADA041	007		1/1	
DMADA051	IO	DMADA051	107		1/1	
DMADA061	IO	DMADA061	008		1/1	
DMADA071	IO	DMADA071	108		1/1	
DMADPE0	I	DMADPE0	104		1/1	
DMARD0	I	DMARD0	204	(Y,Z)	(Y,Z)1/1	P/NOTE 311
DMAREQ0	I	DMAREQ0	004		1/1	
DMAWT0	I	DMAWT0	304	(Y,Z)	(Y,Z)1/1	P/NOTE 311
GRDDMARD	GRD	GRD	201	(Y)		P/DMARD0
GRDDMAWR	GRD	GRD	301	(Y)		P/DMAWT0
GRD04080	I	ENTVCLKB	213			
	I	ENTVCLKA	217			
	I	TVCLR1	224			
	I	XPGM64E	324		TO MESSAGE SWITCH CONTROL UNIT	
	GRD	GRD	023			P/NOTE 309
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			

SYMBOL NO. 5 (CONT)

MESSAGE SWITCH PERIPERAL PROCESSOR - FOUNDATION PERIPHERAL CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPBFPC	04-080	MC5D036A1	A	(T)
MSPPBFPC	04-080	MC5D066A1	A	(S)
MSPPBFPC	04-080	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
INITPC0	I	INITPC0	203		1/1	
MCURPR	IO	MCURPR	012		1/2	
PCURPR	IO	PCURPR	112		1/2	
RISOLO	I	RISOLO	103		1/1	
SISOLO	I	SISOLO	003		1/1	
OSTVLOPB	O	CLK500KH	316			
	I	IRTCLK	216			
OSTVLOPC	O	ORTCD100	315			
	I	IRTCD100	215			
OSTVLOPD	O	ORTCD10K	314			
	I	ISANTCLK	214			

SYMBOL NO. 6

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1B	04-096	UN1708	A	(U)
MMP1B	04-096	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	SYNCLKE1	013			
	O	MIBCLKE1	113			
	O	SEOPER0	219			
	O	RCVPER0	220			
	O	TSSLD1	221			
	O	CHKTSSP	222			
	O	SPAREG	223			
	(U)O	INBIT6P	224			
	(V)O	SPAREF				
	O	SPARED	243			
	O	TRMPER0	319			
	O	TSSPER0	320			
	O	TSSCK	321			
	O	TSSPCK	322			
	O	SPAREE	323			
	O	SEQPAR	324			
	O	MIBERR1	333			
	O	SPAREC	343			
	I	MMPSELB	002			
	I	MMPSELA	003			
	I	TVACC1	232			
	I	TVACC2	233			
	I	TVACC3	332			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
BACNTACK	O	ACNTACK1	533		1/7	
BACNTREQ	I	ACNTREQ0	535		1/7	
BADDPEA	I	ADDPEA	539		1/7	
BADDPEB	I	ADDPEB	439		1/8	
BADDZPE0	OT	ADDZPE0	021		1/7	
	I				1/5	
BAMIBER1	I	AMIBERR1	542		1/7	
BBCNTACK	O	BCNTACK1	532		1/7	

SYMBOL NO. 6 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1B	04-096	UN1708	A	(U)
MMP1B	04-096	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BBCNTREQ	I	BCNTREQ0	534		1/7	
BBMIBER1	I	BMIBERR1	442		1/8	
BCCNTACK	O	CCNTACK1	433		1/8	
BCCNTREQ	I	CCNTREQ0	435		1/8	
BCHPPARA	O	CHPPARA	305		1/7	
BCHPPARB	O	CHPPARB	205		1/8	
BCHTPARA	O	CHTPARA	306		1/7	
BCHTPARB	O	CHTPARB	206		1/8	
BCLMIBE0	O	CLMIBE0	541		1/7,1/8	
BCMDINT0	I	CMDINT10	120		1/5	
BDATAPEA	I	DATAPEA	540		1/7	
BDATAPEB	I	DATAPEB	440		1/8	
BDATZPE0	OT	DATZPE0	121		1/7	
	I				1/5	
BDCNTACK	O	DCNTACK1	432		1/8	
BDCNTREQ	I	DCNTREQ0	434		1/8	
BENBYBYT	OT	ENBYBYT0	134		1/7,1/8	
	I				1/5	
BENLOBYT	OT	ENLOBYT0	034		1/7,1/8	
	I				1/5	
BEZMHZX	O	EZMHZX	509		1/7,1/8	
BINVRPAR	O	INVRPAR	502		1/7,1/8	
BL2MHZX	O	L2MHZX	513		1/7,1/8	
BMITDATA	I	AMIBTDAT	302		1/7	
BMITDATB	I	BMIBTDAT	202		1/8	
BMMP2BE0	I	MMP2BE00	443		1/8	
BPTIN	(U)GRD	PZIN	037			
	(V)GRD	GRD				
BRCVSELA	O	RCVSELA	304		1/7,1/8	
BRCVSELB	O	RCVSELB	303		1/7,1/8	
BRULDCKA	O	RULDCKNA	309		1/7	
BRULDCKB	O	RULDCKNB	209		1/8	
BRVCKENA	O	RCVCKENA	307		1/7	
BRVCKENB	O	RCVCKENB	207		1/8	
BRVTSDAT	(U)O	RVTSDATA	402		1/7,1/8	
	(V)O	RVTSDAT				
BSELTPAR	O	SELTPAR1	503		1/7,1/8	
BTLDCKNA	O	TLDCKNA	310		1/7	
BTLDCKNB	O	TLDCKNB	210		1/8	
BTRMCKEA	O	TRMCKENA	308		1/7	
BTRMCKEB	O	TRMCKENB	208		1/8	
BTRMSELA	O	TRMSELA	204		1/7,1/8	
BTRMSELB	O	TRMSELB	203		1/7,1/8	
BTSORINT	I	TSORINT	552		1/7	
BTSOTINT	I	TSOTINT	452		1/7	
BTS1RINT	I	TS1RINT	551		1/7	
BTS1TINT	I	TS1TINT	451		1/7	
BTS2RINT	I	TS2RINT	550		1/7	
BTS2TINT	I	TS2TINT	450		1/7	
BTS3RINT	I	TS3RINT	549		1/7	

PART OF FS 1
SYMBOL(S) 5 6

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE D2	ISSUE 5B
AT&T BELL LABORATORIES	SD-5D136-01	B#1CF

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PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 6 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1B	04-096	UN170B	A	(U)
MMP1B	04-096	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BTS5RINT	I	TS5RINT	547		1/8	
BTS5TINT	I	TS5TINT	447		1/8	
BTS6RINT	I	TS6RINT	546		1/8	
BTS6TINT	I	TS6TINT	446		1/8	
BTS7RINT	I	TS7RINT	545		1/8	
BTS7TINT	I	TS7TINT	445		1/8	
BXADDPL	I	XADDPL	056		1/5	
BXADD00	I	XADD00	046		1/5	
BXADD01	I	XADD01	146		1/5	
BXADD02	I	XADD02	047		1/5	
BXADD03	I	XADD03	147		1/5	
BXADD04	I	XADD04	048		1/5	
BXADD05	I	XADD05	148		1/5	
BXADD06	I	XADD06	049		1/5	
BXADD07	I	XADD07	149		1/5	
BXALWPGE	I	XALWPGE0	020		1/5	
BXCK4MHZ	I	XCLK4MHZ	043		1/5	
BXCLRESR	I	XCLRESR0	133		1/5	
BXCSWIND	I	XCSWIND0	143		1/5	
BXDATAPL	IO	DATPARL0	254		1/5	
BXDATA00	IO	BYDATA00	246		1/5	
BXDATA01	IO	BYDATA01	346		1/5	
BXDATA02	IO	BYDATA02	247		1/5	
BXDATA03	IO	BYDATA03	347		1/5	
BXDATA04	IO	BYDATA04	248		1/5	
BXDATA05	IO	BYDATA05	348		1/5	
BXDATA06	IO	BYDATA06	249		1/5	
BXDATA07	IO	BYDATA07	349		1/5	
BXD86T1R	I	XD86T1R0	140		1/5	
BXFUNCN1	I	XFUNCEN1	122		1/5	
BXHLDACK	I	XHLDACK0	139		1/5	
BXHLDREQ	O	XHLDREQ0	039		1/5	
BXINTACK	I	XINTACK0	138		1/5	
BXINTREQ	OT	XINTREQ0	038		1/7	
	I				1/5	
BXIORDO	I	XIORD0	041		1/5	
BXIOWT0	I	XIOWT0	141		1/5	
BXLATCH0	I	XLATCH0	135		1/5	
BXMEM110	I	XMEM110O	040		1/5	
BX10MINT	I	X10MSINT	033		1/5	
BX25CKRA	O	X25CLKRA	106		1/7	
BX25CKRB	O	X25CLKRB	006		1/8	
BX25CKTA	O	X25CLKTA	105		1/7	
BX25CKTB	O	X25CLKTB	005		1/8	
GRD04096	I	TSTVET1	007			
	(U) I	GRD	444			
	(V) GRD	GRD				
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			

SYMBOL NO. 6 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1B	04-096	UN170B	A	(U)
MMP1B	04-096	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
	GRD	GRD	400			
	GRD	GRD	401			
	GRD	GRD	410			
	GRD	GRD	411			
	GRD	GRD	412			
	GRD	GRD	500			
	GRD	GRD	501			
	GRD	GRD	510			
	GRD	GRD	511			
	GRD	GRD	512			
	GRD	GRD	544			
NCUPPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
SEQADDR8	I	SEQADDR8	103		1/2	
SEQADDR9	I	SEQADDR9	102		1/2	
0CLKN	I	0CLKN	235		1/2	P/0CLKP
0CLKP	I	0CLKP	335		1/2	P/0CLKN
ORDATAN	I	ORDATAN	237		1/2	P/ORDATAP
ORDATAP	I	ORDATAP	337		1/2	P/ORDATAN
0SYNCN	I	0SYNCN	234		1/2	P/0SYNCP
0SYNCP	I	0SYNCP	334		1/2	P/0SYNCN
0TDATAN	OT	0TDATAN	236		1/2	P/0TDATAP
0TDATAP	OT	0TDATAP	336		1/2	P/0TDATAN
06TVLOPD	I	TSTVET0	008			
1CLKN	I	1CLKN	240		1/2	P/1CLKP
1CLKP	I	1CLKP	340		1/2	P/1CLKN
1RDATAN	I	1RDATAN	242		1/2	P/1RDATAP
1RDATAP	I	1RDATAP	342		1/2	P/1RDATAN
1SYNCN	I	1SYNCN	239		1/2	P/1SYNCP
1SYNCP	I	1SYNCP	339		1/2	P/1SYNCN
1TDATAN	OT	1TDATAN	241		1/2	P/1TDATAP
1TDATAP	OT	1TDATAP	341		1/2	P/1TDATAN

SYMBOL NO. 7

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AB	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	(6)O	GRD	003			
	(6)O	TS3TDAT	232			
	(6)O	TS2TDAT	233			
	(6)O	TS1TDAT	234			
	(6)O	TS0TDAT	235			
	(6)O	TS3DAT	332			
	(6)O	TS2DAT	333			
	(6)O	TS1DAT	334			
	(6)O	TS0DAT	335			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
BACNTACK	(6)I	CNTAACK1	220		1/6	
BACNTREQ	(6)O	CNTAREQ0	320		1/6	
BADDPEA	(6)O	ADDPE0	213		1/6	
BADD2PE0	(13)OT	ADD2PE0	021		1/6	
BAMIBER1	(6)O	MIBERR1	215		1/6	
BBCNTACK	(6)I	CNTBACK1	219		1/6	
BBCNTREQ	(6)O	CNTBREQ0	319		1/6	
BCHRPARA	(6)I	CHRPAR	216		1/6	
BCHTPARA	(6)I	CHTPAR	316		1/6	
BCLMIBE0	(6)I	CLMIERR0	214		1/6	
BCMDINT0	(13)I	CMDINT10	120		1/5	
BDATAPEA	(6)O	DATAPE0	313		1/6	
BDAT2PE0	(13)OT	DAT2PE0	121		1/6	
BENBYBYT	OT	ENBYBYT0	134		1/6	
BENLOBYT	OT	ENLOBYT0	034		1/6	
BE2MHZX	(6)I	E2MHZX	002		1/6	
BINVRPAR	(6)I	INVRPAR	306		1/6	
BL2MHZX	(6)I	L2MHZX	006		1/6	
BMITDATA	(6)O	MIBTDAT	106		1/8	
BPBHE0	(6)OT I	PBHE0	018		1/5	
BP1IN	(6)OT I	GRD	037		1/8	
BPZIN	(13)O	P1IN	118		1/5	
BRASOK1	(6)OT I	RASOK1	019		1/8	
BRCVSELA	(6)I	RCKSELA	209		1/5	
BRCVSELB	(6)I	RCKSELB	208		1/6	
BRULOCKA	(6)I	RUNLOCKN	210		1/6	
BRVCKENA	(6)I	RCKENAB	207		1/6	
BRVTSDAT	(6)I	RVTSDATA	317		1/6	
BSELTPAR	(6)I	SELTPAR1	305		1/6	
BTLOCKNA	(6)I	TLOCLKN	310		1/6	
BTRMCKEA	(6)I	TCKENAB	307		1/6	
BTRMSELA	(6)I	TCKSELA	309		1/6	
BTRMSELB	(6)I	TCKSELB	308		1/6	
BTSORINT	(6)O	TSORINT	224		1/6	
	(13)I	TVCLR1				
BTSOTINT	(6)O	TSOTINT	324		1/6	
BTS1RINT	(6)O	TS1RINT	223		1/6	
BTS1TINT	(6)O	TS1TINT	323		1/6	
BTS2RINT	(6)O	TS2RINT	222		1/6	
BTS2TINT	(6)O	TS2TINT	322		1/6	
BTS3RINT	(6)O	TS3RINT	221		1/6	
BTS3TINT	(6)O	TS3TINT	321		1/6	
BXADDPH	(6)IO	XADDPH	156		1/5	
	(13)I	XADDPH				
BXADDPL	(6)IO	XADDPL	056		1/5	
	(13)I	XADDPL				
BXADDPU	(6)OT	XADDPU	255		1/8	

SYMBOL NO. 7 (CONT)

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AB	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I				1/5	
BXADD00	(6)IO	XADD00	046		1/5	
	(13)I	XADD00				
BXADD01	(6)IO	XADD01	146		1/5	
	(13)I	XADD01				
BXADD02	(6)IO	XADD02	047		1/5	
	(13)I	XADD02				
BXADD03	(6)IO	XADD03	147		1/5	
	(13)I	XADD03				
BXADD04	(6)IO	XADD04	048		1/5	
	(13)I	XADD04				
BXADD05	(6)IO	XADD05	148		1/5	
	(13)I	XADD05				
BXADD06	(6)IO	XADD06	049		1/5	
	(13)I	XADD06				
BXADD07	(6)IO	XADD07	149		1/5	
	(13)I	XADD07				
BXADD08	(6)IO	XADD08	050		1/5	
	(13)I	XADD08				
BXADD09	(6)IO	XADD09	150		1/5	
	(13)I	XADD09				
BXADD10	(6)IO	XADD10	051		1/5	
	(13)I	XADD10				
BXADD11	(6)IO	XADD11	151		1/5	
	(13)I	XADD11				
BXADD12	(6)IO	XADD12	052		1/5	
	(13)I	XADD12				
BXADD13	(6)IO	XADD13	152		1/5	
	(13)I	XADD13				
BXADD14	(6)IO	XADD14	053		1/5	
	(13)I	XADD14				
BXADD15	(6)IO	XADD15	153		1/5	
	(13)I	XADD15				
BXADD16	(6)IO	XADD16	054		1/5	
BXADD17	(6)IO	XADD17	154		1/5	
BXADD18	(6)IO	XADD18	055		1/5	
BXADD19	(6)IO	XADD19	155		1/5	
BXALWPGE	I	XALWPGE0	020		1/5	
BXCK4MHZ	I	XCLK4MHZ	043		1/5	
BXCLK86	(6)I	XCLK86	355		1/5	
BXCLRESR	I	XCLRESR0	133		1/5	
BXCSWIND	I	XCSWIND0	143		1/5	
BXDATAPL	IO	DATPARL0	254		1/5	
BXDATA00	IO	BYDATA00	246		1/5	
BXDATA01	IO	BYDATA01	346		1/5	
BXDATA02	IO	BYDATA02	247		1/5	
BXDATA03	IO	BYDATA03	347		1/5	
BXDATA04	IO	BYDATA04	248		1/5	
BXDATA05	IO	BYDATA05	348		1/5	
BXDATA06	IO	BYDATA06	249		1/5	
BXDATA07	IO	BYDATA07	349		1/5	
BXDYRWAT	(6)I	XDYRWAT0	136		1/5	
BXD86T1R	(6)I	XD86T1R0	140		1/5	

PART OF FS 1

SYMBOL(S) 6 7

SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: D2

ISSUE: 3D

AT&T BELL LABORATORIES

SD-5D136-01

B#1CG

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 7 (CONT)

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AB	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BXFUNCEN1	I	XFUNCEN1	122		1/5	
BXHLDACK	(6)I	XHLDACK0	139		1/5	
BXINTACK	(13)I	XINTACK0	138		1/5	
BXINTREQ	(13)OT	XINTREQ0	038		1/6	
BXIORD0	I	XIORD0	041		1/5	
BXIOWT0	I	XIOWT0	141		1/5	
BXLATCH0	I	XLATCH0	135		1/5	
BXMEMRD0	(6)OT I	XMEMRD	042		1/8 1/5	
BXMEMWT0	(6)OT I	XMEMWT	142		1/8 1/5	
BXMEM110	I	XMEM110D	040		1/5	
BXPWRRST	(13)I	XPWRRST0	022		1/5	
BX10MINT	(13)I	X10MSINT	033		1/5	
BX25CKRA	(6)I	X25CLKR	218		1/6	
BX25CKTA	(6)I	X25CLKT	318		1/6	
GRD04088	(6)I	TN858SEL	314			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
	(13)GRD	GRD	400			
	(13)GRD	GRD	401			
	(13)GRD	GRD	410			
	(13)GRD	GRD	411			
	(13)GRD	GRD	412			
	(13)GRD	GRD	444			
	(13)GRD	GRD	500			
	(13)GRD	GRD	501			
	(13)GRD	GRD	510			
	(13)GRD	GRD	511			
	(13)GRD	GRD	512			
	(13)GRD	GRD	544			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
OACCDALR	(13)O	OACCDALR	423		TO MESSAGE INTERFACE/CLOCK UNIT	
OACTCDAL	(13)O	OACTCDAL	523		TO MESSAGE INTERFACE/CLOCK UNIT	
ODATVAL0	(13)O	ODATVAL0	417		TO MESSAGE INTERFACE/CLOCK	

SYMBOL NO. 7 (CONT)

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AB	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ODATVAL1	(13)O	ODATVAL1	517		UNIT TO MESSAGE INTERFACE/CLOCK UNIT	
OLIINT10	(13)I	OLIINT10	521		TO MESSAGE INTERFACE/CLOCK UNIT	
OLIINT11	(13)I	OLIINT11	421		TO MESSAGE INTERFACE/CLOCK UNIT	
OLISEL0	(13)O	OLISEL0	415		TO MESSAGE INTERFACE/CLOCK UNIT	
OLISEL1	(13)O	OLISEL1	515		TO MESSAGE INTERFACE/CLOCK UNIT	
OMIINT10	(13)I	OMIINT10	533		TO MESSAGE INTERFACE/CLOCK UNIT	
OMIINT11	(13)I	OMIINT11	433		TO MESSAGE INTERFACE/CLOCK UNIT	
OMISEL0	(13)O	OMISEL0	535		TO MESSAGE INTERFACE/CLOCK UNIT	
OMISEL1	(13)O	OMISEL1	435		TO MESSAGE INTERFACE/CLOCK UNIT	
ONCKIT10	(13)I	ONCKIT10	520		TO MESSAGE INTERFACE/CLOCK UNIT	
ONCKIT11	(13)I	ONCKIT11	420		TO MESSAGE INTERFACE/CLOCK UNIT	
ONCKSEL0	(13)O	ONCKSEL0	414		TO MESSAGE INTERFACE/CLOCK UNIT	
ONCKSEL1	(13)O	ONCKSEL1	514		TO MESSAGE INTERFACE/CLOCK UNIT	
ORCVDAT0	(13)I	ORCVDAT0	418		TO MESSAGE INTERFACE/CLOCK UNIT	
ORCVDAT1	(13)I	ORCVDAT1	518		TO MESSAGE INTERFACE/CLOCK UNIT	
OSACDALR	(13)I	OSACDALR	422		TO MESSAGE INTERFACE/CLOCK UNIT	
OSTACDAL	(13)I	OSTACDAL	522		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSIT10	(13)I	OTMSIT10	534		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSIT11	(13)I	OTMSIT11	434		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSRDY0	(13)I	OTMSRDY0	437		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSRDY1	(13)I	OTMSRDY1	537		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSRST0	(13)O	OTMSRST0	532		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSRST1	(13)O	OTMSRST1	432		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSSEL0	(13)O	OTMSSEL0	536		TO MESSAGE INTERFACE/CLOCK UNIT	

SYMBOL NO. 7 (CONT)

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AB	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
OTMSSEL1	(13)O	OTMSSEL1	436		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSSR0	(13)I	OTMSSR0	524		TO MESSAGE INTERFACE/CLOCK UNIT	
OTMSSR1	(13)I	OTMSSR1	424		TO MESSAGE INTERFACE/CLOCK UNIT	
OTRCLK0	(13)O	OTRCLK0	416		TO MESSAGE INTERFACE/CLOCK UNIT	
OTRCLK1	(13)O	OTRCLK1	516		TO MESSAGE INTERFACE/CLOCK UNIT	
OTRMDAT0	(13)O	OTRMDAT0	419		TO MESSAGE INTERFACE/CLOCK UNIT	
OTRMDAT1	(13)O	OTRMDAT1	519		TO MESSAGE INTERFACE/CLOCK UNIT	
07TVLOPA	(6)I	TSTVET0	011			
07TVLOPB	(6)O (6)I	X253.5 XX253.5M	110 010			
07TVLOPC	(6)O	ENAWTBUF	109			
07TVLOPD	(6)I (6)O	ENAWTBUF BRDRD0	009 108			
1ACCDALR	(6)I (13)O	BDRD0 1ACCDALR	008 455		TO MESSAGE INTERFACE/CLOCK UNIT	
1ACTCDAL	(13)O	1ACTCDAL	555		TO MESSAGE INTERFACE/CLOCK UNIT	
1DATVAL0	(13)O	1DATVAL0	449		TO MESSAGE INTERFACE/CLOCK UNIT	
1DATVAL1	(13)O	1DATVAL1	549		TO MESSAGE INTERFACE/CLOCK UNIT	
1LIINT10	(13)I	1LIINT10	553		TO MESSAGE INTERFACE/CLOCK UNIT	
1LIINT11	(13)I	1LIINT11	453		TO MESSAGE INTERFACE/CLOCK UNIT	
1LISEL0	(13)O	1LISEL0	447		TO MESSAGE INTERFACE/CLOCK UNIT	
1LISEL1	(13)O	1LISEL1	547		TO MESSAGE INTERFACE/CLOCK UNIT	
1MIINT10	(13)I	1MIINT10	539		TO MESSAGE INTERFACE/CLOCK UNIT	
1MIINT11	(13)I	1MIINT11	439		TO MESSAGE INTERFACE/CLOCK UNIT	
1MISEL0	(13)O	1MISEL0	541		TO MESSAGE INTERFACE/CLOCK UNIT	
1MISEL1	(13)O	1MISEL1	441		TO MESSAGE INTERFACE/CLOCK UNIT	
1NCKIT10	(13)I	1NCKIT10	552		TO MESSAGE INTERFACE/CLOCK UNIT	
1NCKIT11	(13)I	1NCKIT11	452		TO MESSAGE INTERFACE/CLOCK UNIT	

SYMBOL NO. 7 (CONT)

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AB	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
1NCKSEL0	(13)O	1NCKSEL0	446		TO MESSAGE INTERFACE/CLOCK UNIT	
1NCKSEL1	(13)O	1NCKSEL1	546		TO MESSAGE INTERFACE/CLOCK UNIT	
1RCVDAT0	(13)I	1RCVDAT0	450		TO MESSAGE INTERFACE/CLOCK UNIT	
1RCVDAT1	(13)I	1RCVDAT1	550		TO MESSAGE INTERFACE/CLOCK UNIT	
1SACDALR	(13)I	1SACDALR	454		TO MESSAGE INTERFACE/CLOCK UNIT	
1STACDAL	(13)I	1STACDAL	554		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSIT10	(13)I	1TMSIT10	540		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSIT11	(13)I	1TMSIT11	440		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSRDY0	(13)I	1TMSRDY0	443		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSRDY1	(13)I	1TMSRDY1	543		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSRST0	(13)O	1TMSRST0	538		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSRST1	(13)O	1TMSRST1	438		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSSEL0	(13)O	1TMSSEL0	542		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSSEL1	(13)O	1TMSSEL1	442		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSSR0	(13)I	1TMSSR0	556		TO MESSAGE INTERFACE/CLOCK UNIT	
1TMSSR1	(13)I	1TMSSR1	456		TO MESSAGE INTERFACE/CLOCK UNIT	
1TRCLK0	(13)O	1TRCLK0	448		TO MESSAGE INTERFACE/CLOCK UNIT	
1TRCLK1	(13)O	1TRCLK1	548		TO MESSAGE INTERFACE/CLOCK UNIT	
1TRMDAT0	(13)O	1TRMDAT0	451		TO MESSAGE INTERFACE/CLOCK UNIT	
1TRMDAT1	(13)O	1TRMDAT1	551		TO MESSAGE INTERFACE/CLOCK	

PART OF FS 1
SYMBOL(S) 7

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE	ISSUE
D2	3D

AT&T BELL LABORATORIES	SD-5D136-01	B#1CH

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 7 (CONT)

MODULE MESSAGE PROCESSOR 2 - FOUNDATION PERIPHERAL CONTROLLER 4

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2A8	04-088	MC5D037A1	A	(6)
FPC4	04-088	MC5D039A1	A	(13)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					UNIT	

SYMBOL NO. 8

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP288	04-106	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	0	TS3TDAT	232			
	0	TS2TDAT	233			
	0	TS1TDAT	234			
	0	TS0TDAT	235			
	0	TS3DAT	332			
	0	TS2DAT	333			
	0	TS1DAT	334			
	0	TS0DAT	335			
	I	TN858SEL	314			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
BADDPEB	0	ADDPE0	213			1/6
BBMIBER1	0	MIBERR1	215			1/6
BCONTACK	I	CNTAACK1	220			1/6
BCONTREQ	0	CNTAREQ0	320			1/6
BCHRPARB	I	CHRPAR	216			1/6
BCHTPARB	I	CHTPAR	316			1/6
BCLMIBEQ	I	CLMIERR0	214			1/6
BDATAPEB	0	DATAPE0	313			1/6
BDCNTACK	I	CNTBACK1	219			1/6
BDCNTREQ	0	CNTBREQ0	319			1/6
BENBYBYT	OT	ENBYBYT0	136			1/6
BENLOBYT	OT	ENLOBYT0	034			1/6
BEZMHZX	I	EZMHZX	002			1/6
BINVRPAR	I	INVRPAR	306			1/6
BLZMHZX	I	LZMHZX	006			1/6
BMITDATB	0	MIBTDAT	106			1/6
BMMPZBEQ	0	GRD	003			1/6
BPBHE0	OT	PBHE0	018			1/7
BP1IN	OT	GRD	037			1/7
BRASOK1	OT	RASOK1	019			1/7
BRCVSELA	I	RCKSELA	209			1/6
BRCVSELB	I	RCKSELB	208			1/6
BRULDCKB	I	RUNLDCKN	210			1/6
BRVDCENB	I	RCKENAB	207			1/6
BRVTSDAT	I	RVTSDATA	317			1/6
BSELTPAR	I	SELTPAR1	305			1/6
BTLDCKNB	I	TLDCLKN	310			1/6
BTRMCKEB	I	TCKENAB	307			1/6
BTRMSELA	I	TCKSELA	309			1/6
BTRMSELB	I	TCKSELB	308			1/6
BTS4RINT	0	TSORINT	224			1/6
BTS4TINT	0	TSOTINT	324			1/6

SYMBOL NO. 8 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP288	04-106	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BTSSRINT	0	TS1RINT	223		1/6	
BTSSTINT	0	TS1TINT	323		1/6	
BTS6RINT	0	TS2RINT	222		1/6	
BTS6TINT	0	TS2TINT	322		1/6	
BTS7RINT	0	TS3RINT	221		1/6	
BTS7TINT	0	TS3TINT	321		1/6	
BXADDPH	IO	XADDPH	156		1/5	
BXADDPL	IO	XADDPL	056		1/5	
BXADDPU	OT	XADDPU	255		1/7	
BXAD000	IO	XAD000	046		1/5	
BXAD001	IO	XAD001	146		1/5	
BXAD002	IO	XAD002	047		1/5	
BXAD003	IO	XAD003	147		1/5	
BXAD004	IO	XAD004	048		1/5	
BXAD005	IO	XAD005	148		1/5	
BXAD006	IO	XAD006	049		1/5	
BXAD007	IO	XAD007	149		1/5	
BXAD008	IO	XAD008	050		1/5	
BXAD009	IO	XAD009	150		1/5	
BXAD010	IO	XAD010	051		1/5	
BXAD011	IO	XAD011	151		1/5	
BXAD012	IO	XAD012	052		1/5	
BXAD013	IO	XAD013	152		1/5	
BXAD014	IO	XAD014	053		1/5	
BXAD015	IO	XAD015	153		1/5	
BXAD016	IO	XAD016	054		1/5	
BXAD017	IO	XAD017	154		1/5	
BXAD018	IO	XAD018	055		1/5	
BXAD019	IO	XAD019	155		1/5	
BXALMPGE	I	XALMPGE0	020		1/5	
BXCX4MHZ	I	XCLK4MHZ	043		1/5	
BXCLK86	I	XCLX86	355		1/5	
BXCLRESR	I	XCLRESR0	133		1/5	
BXCSWIND	I	XCSWIND0	143		1/5	
BXDATAPL	IO	DATPARL0	254		1/5	
BXDATA00	IO	BYDATA00	246		1/5	
BXDATA01	IO	BYDATA01	346		1/5	
BXDATA02	IO	BYDATA02	247		1/5	
BXDATA03	IO	BYDATA03	347		1/5	
BXDATA04	IO	BYDATA04	248		1/5	
BXDATA05	IO	BYDATA05	348		1/5	
BXDATA06	IO	BYDATA06	249		1/5	
BXDATA07	IO	BYDATA07	349		1/5	
BXDYRMAT	I	XDYRMAT0	136		1/5	
BXDI86TIR	I	XDI86TIR0	140		1/5	
BXFUNCN1	I	XFUNCEN1	122		1/5	
BXHLDACK	I	XHLDACK0	139		1/5	
BXIORDO	I	XIORD0	041		1/5	
BXIOWTO	I	XIOWT0	141		1/5	
BXLATCH0	I	XLATCH0	135		1/5	
BXMEMRDO	OT	XMEMRD	042		1/7	
BXMEMWTO	OT	XMEMWT	142		1/7	
BXMEM110	I	XMEM110	040		1/5	
BX25CKRB	I	X25CLKR	218		1/6	
BX25CKTB	I	X25CLKT	318		1/6	
GRD04104	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			

SYMBOL NO. 8 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP288	04-106	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
NCURPR	GRD	GRD	356			
PCURPR	OT	-CURPR	012		1/2	
	OT	+CURPR	112		1/2	
08TVLOPA	I	TSTVET0	011			
08TVLOPB	0	X253.5	110			
	I	XX253.5M	010			
08TVLOPC	0	ENWTBUF	109			
	I	ENWTBUF	009			
08TVLOPD	0	BRDRD0	108			
	I	BDRD0	008			

SYMBOL NO. 9

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPC	04-136	MC5D036A9	A	(T)
MSPPC	04-136	MC5D066A1	A	(S)
MSPPC	04-136	MC5D066A1B	A	(R)
ACMP	04-136	TN1868	A	(MS-INT)
ACMP	04-136	TN1800	A	(INT)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	I	TVCLKB	313			
	I	TVCLKA	317			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	PWR	+5	210	(Q)		
	PWR	+5	310	(Q)		
	I	+5	323		1/1	
ACMPAPAR	0	BKPAPAR	322	(Q)	(Q)1/11	
ACMPA8	0	BKPA8	243	(Q)	(Q)1/11	
ACMPA9	0	BKPA9	343	(Q)	(Q)1/11	
ACMPBERR	I	BKPBERRN	332	(Q)	(Q)1/11	
ACMPDPAR	IO	BKPDPAR	222	(Q)	(Q)1/11	
ACMPFC0	0	BKPFC0	242	(Q)	(Q)1/11	

SYMBOL NO. 9 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPC	04-136	MC5D036A9	A	(T)
MSPPC	04-136	MC5D066A1	A	(S)
MSPPC	04-136	MC5D066A1B	A	(R)
ACMP	04-136	TN1868	A	(MS-INT)
ACMP	04-136	TN1800	A	(INT)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ACMPFC1	0	BKPFC1	342	(Q)	(Q)1/11	
ACMPFC2	0	BKPFC2	241	(Q)	(Q)1/11	
ACMPINT0	I	BKPINT0N	223	(Q)	(Q)1/11	
ACMPINT1	I	BKPINT1N	221	(Q)	(Q)1/11	
ACMPINT2	I	BKPINT2N	220	(Q)	(Q)1/11	
ACMPSIZ0	0	BKPSIZ0	240	(Q)	(Q)1/11	
ACMPSIZ1	0	BKPSIZ1	341	(Q)	(Q)1/11	
ACMPSP1		SPARE1	318	(Q)	(Q)1/11	
ACMPSP2		SPARE2	317	(Q)	(Q)1/11	
ACMPSTRM	I	BKPSTRMN	232	(Q)	(Q)1/11	
CADD2PE0	I	ADD2PE0	021		1/10	
CCLRISO0	I	CLRISOL0	343	(P)		
CCNDINT0	IO	CNDINT10	120		1/10	
CCSA0	0	CSA0	202		TO MESSAGE SWITCH CONTROL UNIT	
CDAT2PE0	I	DAT2PE0	121		1/10	
CENBYBYT	I	ENBYBYT0	134		1/10	
CENHIBYT	I	ENHIBYT0	035			
CENLOBYT	I	ENLOBYT0	034		1/10	
CERR0	0	ERR0	102		TO MESSAGE SWITCH CONTROL UNIT	
CINHRTCT	I	INHRTCT0	243	(P)		
CINTR0	0	INTR0	302		TO MESSAGE SWITCH CONTROL UNIT	
CNDINT0	I	CNDINT0	303		1/1	
CNDMDBCS	0	MDNDBCS0	341	(P)		
CPBHE0	IO	PBHE0	018		1/11	
CPCSEL0	I	PCSEL0	305		TO MESSAGE SWITCH CONTROL UNIT	
CPICINIT	I	PICINIT0	342	(P)		
CPUMPCS0	0	PUMPCS0	119			
CP1IN	I	P1IN	037		1/11	
CP2IN	I	P2IN	118			
CRASOK1	I	RASOK1	019		1/11	
CSR0	0	SR0	002		TO MESSAGE SWITCH CONTROL UNIT	
CSTAT863	0	STAT863	233			
CSTAT864	0	STAT864	333			
CSTAT865	0	STAT865	234			
CUACEOP0	I	UACEOP0	241	(P)		
CUACINT0	I	UACINT0	242	(P)		
CWDDAT00	0	WDDATA00	235			
CWDDAT01	0	WDDATA01	335			
CWDDAT02	0	WDDATA02	236			
CWDDAT03	0	WDDATA03	336			

PART OF FS 1

SYMBOL(S) 7 & 9

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE 6B | ISSUE 8B

AT&T | SD-5D136-01 | B1CJ

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PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 9 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPC	04-136	MC5D036A1	A	(T)
MSPPC	04-136	MC5D066A1	A	(S)
MSPPC	04-136	MC5D066A1B	A	(R)
ACMP	04-136	TN1368	A	(M)
ACMP	04-136	TN1800	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CMDDAT04	O	MDDATA04	237			
CMDDAT05	O	MDDATA05	337			
CMDDAT06	O	MDDATA06	238			
CMDDAT07	O	MDDATA07	338			
CXADDPH	IO	XADDPH	156		1/11,1/12	
CXADDPL	IO	XADDPL	056		1/11,1/12 1/10	
CXADDPU	IO	XADDPU	255		1/11	
CXADD00	IO	XADD00	046		1/11,1/12 1/10	
CXADD01	IO	XADD01	146		1/11,1/12 1/10	
CXADD02	IO	XADD02	047		1/11,1/12 1/10	
CXADD03	IO	XADD03	147		1/11,1/12 1/10	
CXADD04	IO	XADD04	048		1/11,1/12 1/10	
CXADD05	IO	XADD05	148		1/11,1/12 1/10	
CXADD06	IO	XADD06	049		1/11,1/12 1/10	
CXADD07	IO	XADD07	149		1/11,1/12 1/10	
CXADD08	IO	XADD08	050		1/11,1/12	
CXADD09	IO	XADD09	150		1/11,1/12	
CXADD10	IO	XADD10	051		1/11,1/12	
CXADD11	IO	XADD11	151		1/11,1/12	
CXADD12	IO	XADD12	052		1/11,1/12	
CXADD13	IO	XADD13	152		1/11,1/12	
CXADD14	IO	XADD14	053		1/11,1/12	
CXADD15	IO	XADD15	153		1/11,1/12	
CXADD16	IO	XADD16	054		1/11,1/12	
CXADD17	IO	XADD17	154		1/11,1/12	
CXADD18	IO	XADD18	055		1/11,1/12	
CXADD19	IO	XADD19	155		1/11,1/12	
CXALMPGE	O	XALMPGE0	020		1/10,1/11 1/12	
CXCK4MHZ	O	XCLK4MHZ	043		1/10,1/11 1/12	
CXCLK86	O	XCLK86	355		1/11,1/12	
CXCLRESR	O	XCLRESR0	133		1/10,1/11 1/12	
CXCONTMS	I	CONTMS0	036			
CXCSWIND	O	XCSWIND0	143		1/10,1/11 1/12	
CXDATAPH	IO	DATPARHI	354			
CXDATAPL	IO	DATPARLO	254		1/10,1/11 1/12	
CXDATA00	IO	BYDATA00	246		1/10,1/11 1/12	
CXDATA01	IO	BYDATA01	346		1/10,1/11 1/12	
CXDATA02	IO	BYDATA02	247		1/10,1/11 1/12	
CXDATA03	IO	BYDATA03	347		1/10,1/11 1/12	
CXDATA04	IO	BYDATA04	248		1/10,1/11 1/12	
CXDATA05	IO	BYDATA05	348		1/10,1/11 1/12	

SYMBOL NO. 9 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPC	04-136	MC5D036A1	A	(T)
MSPPC	04-136	MC5D066A1	A	(S)
MSPPC	04-136	MC5D066A1B	A	(R)
ACMP	04-136	TN1368	A	(M)
ACMP	04-136	TN1800	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CXDATA06	IO	BYDATA06	249		1/10,1/11 1/12	
CXDATA07	IO	BYDATA07	349		1/10,1/11 1/12	
CXDATA08	IO	MDDATA08	250			
CXDATA09	IO	MDDATA09	350			
CXDATA10	IO	MDDATA10	251			
CXDATA11	IO	MDDATA11	351			
CXDATA12	IO	MDDATA12	252			
CXDATA13	IO	MDDATA13	352			
CXDATA14	IO	MDDATA14	253			
CXDATA15	IO	MDDATA15	353			
CXDIRLRM	O	XDIRLRHM	137			
CXDYRMAT	O	XDYRMAT0	136		1/11,1/12	
CXD86T1R	O	XD86T1R0	140		1/10,1/11 1/12	
CXFUNCN1	O	XFUNCEN1	122		1/10,1/11 1/12	
CXHLDACK	O	XHLDACK0	139		1/10,1/11 1/12	
CXHLDREQ	I	XHLDREQ0	039		1/10	
CXINTACK	O	XINTACK0	138		1/10	
CXINTREQ	I	XINTREQ0	038		1/10	
CXIORD0	O	XIORD0	041		1/10,1/11 1/12	
CXIOWT0	O	XIOWT0	141		1/10,1/11 1/12	
CXLATCH0	O	XLATCH0	135		1/10,1/11 1/12	
CXMEMRD0	IO	XMEMRD	042		1/11	
CXMEMWT0	IO	XMEMWT	142		1/11	
CXMEM110	O	XMEM1100	040		1/10,1/11 1/12	
CXPWRRST	O	XPWRRST0	022			
CXRD860	O	XRD860	232	(P)		
CXWT860	O	XWT860	332	(P)		
CX10MINT	O	X10MSINT	033		1/10	
DMAAD001	I	DMAAD001	009		1/1	
DMAAD011	I	DMAAD011	109		1/1	
DMAAD021	I	DMAAD021	010		1/1	
DMAAD031	I	DMAAD031	110		1/1	
DMAAD041	I	DMAAD041	011		1/1	
DMAAD051	I	DMAAD051	111		1/1	
DMAAD061	I	DMAAD061	013		1/1	
DMAAD071	I	DMAAD071	113		1/1	
DMAAD081	I	DMAAD081	014		1/1	
DMAAD091	I	DMAAD091	114		1/1	
DMAAD101	I	DMAAD101	015		1/1	
DMAAD111	I	DMAAD111	115		1/1	
DMAAD121	I	DMAAD121	016		1/1	
DMAAD131	I	DMAAD131	116		1/1	
DMAAD141	I	DMAAD141	017		1/1	
DMAAD151	I	DMAAD151	117		1/1	
DMADAP1	IO	DMADAP1	205		1/1	
DMADA001	IO	DMADA001	005		1/1	
DMADA011	IO	DMADA011	105		1/1	
DMADA021	IO	DMADA021	006		1/1	
DMADA031	IO	DMADA031	106		1/1	
DMADA041	IO	DMADA041	007		1/1	
DMADA051	IO	DMADA051	107		1/1	

SYMBOL NO. 9 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPC	04-136	MC5D036A1	A	(T)
MSPPC	04-136	MC5D066A1	A	(S)
MSPPC	04-136	MC5D066A1B	A	(R)
ACMP	04-136	TN1368	A	(M)
ACMP	04-136	TN1800	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DMADA061	IO	DMADA061	008		1/1	
DMADA071	IO	DMADA071	108		1/1	
DMADPC0	I	DMADPC0	104		1/1	
DMARD0	I	DMARD0	204	(Y,Z)	(Y,Z)1/1	P/NOTE 311
DMAREQ0	I	DMAREQ0	004		1/1	
DMAWT0	I	DMAWT0	304	(Y,Z)	(Y,Z)1/1	P/NOTE 311
GRDDMAR0	GRD	GRD	201	(Y)		P/DMARD0
GRDDMAW0	GRD	GRD	301	(Y)		P/DMAWT0
GRD04136	I	ENTVCLK8	213			
	I	ENTVCLKA	217			
	I	TVCLR1	224			
	I	XPGM64E	324			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
INITPC0	I	INITPC0	203		1/1	
NCURPR	IO	NCURPR	012		1/2	
PCURPR	IO	PCURPR	112		1/2	
RISOL0	I	RISOL0	103		1/1	
SISOL0	I	SISOL0	003		1/1	
09TVLOPB	O	CLK500KH	316			
09TVLOPC	I	IRTCLK	216			
	O	ORTCD100	315	(P)	(P)1/9	
	I	IRTCD100	215	(P)	(P)1/9	
09TVLOPD	O	ORTCD10K	314			
	I	ISAATCLK	214			

PART OF FS 1
SYMBOL(S) 9

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE 6S | ISSUE 8B

AT&T | SD-5D136-01 | B1CK

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 10 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1C	04-120	UN170B	A	(U)
MMP1C	04-120	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CTLDCKNA	O	TLDCKNA	310		1/11	
CTLDCKNB	O	TLDCKNB	210		1/12	
CTRMCKEA	O	TRMCKENA	308		1/11	
CTRMCKEB	O	TRMCKENB	208		1/12	
CTRMSELA	O	TRMSELA	204		1/11,1/12	
CTRMSELB	O	TRMSELB	207		1/11,1/12	
CTS0RINT	I	TS0RINT	552		1/11	
CTS0TINT	I	TS0TINT	452		1/11	
CTS1RINT	I	TS1RINT	551		1/11	
CTS1TINT	I	TS1TINT	451		1/11	
CTS2RINT	I	TS2RINT	550		1/11	
CTS2TINT	I	TS2TINT	450		1/11	
CTS3RINT	I	TS3RINT	549		1/11	
CTS3TINT	I	TS3TINT	449		1/11	
CTS4RINT	I	TS4RINT	548		1/12	
CTS4TINT	I	TS4TINT	448		1/12	
CTS5RINT	I	TS5RINT	547		1/12	
CTS5TINT	I	TS5TINT	447		1/12	
CTS6RINT	I	TS6RINT	546		1/12	
CTS6TINT	I	TS6TINT	446		1/12	
CTS7RINT	I	TS7RINT	545		1/12	
CTS7TINT	I	TS7TINT	445		1/12	
CXADDPL	I	XADDPL	056		1/9	
CXADD00	I	XADD00	046		1/9	
CXADD01	I	XADD01	146		1/9	
CXADD02	I	XADD02	047		1/9	
CXADD03	I	XADD03	147		1/9	
CXADD04	I	XADD04	048		1/9	
CXADD05	I	XADD05	148		1/9	
CXADD06	I	XADD06	049		1/9	
CXADD07	I	XADD07	149		1/9	
CXALWPGE	I	XALWPGE0	020		1/9	
CXCK4MHZ	I	XCLK4MHZ	043		1/9	
CXCLRESR	I	XCLRESR0	133		1/9	
CXCSWIND	I	XCSWIND0	143		1/9	
CXDATAPL	IO	DATPARL0	254		1/9	
CXDATA00	IO	BYDATA00	246		1/9	
CXDATA01	IO	BYDATA01	346		1/9	
CXDATA02	IO	BYDATA02	247		1/9	
CXDATA03	IO	BYDATA03	347		1/9	
CXDATA04	IO	BYDATA04	248		1/9	
CXDATA05	IO	BYDATA05	348		1/9	
CXDATA06	IO	BYDATA06	249		1/9	
CXDATA07	IO	BYDATA07	349		1/9	
CXD86T1R	I	XD86T1R0	140		1/9	
CXFUNCN1	I	XFUNCEN1	122		1/9	
CXHLDACK	I	XHLDACK0	139		1/9	
CXHLDREQ	O	XHLDREQ0	039		1/9	
CXINTACK	I	XINTACK0	138		1/9	
CXINTREQ	O	XINTREQ0	038		1/9	
CX1ORD0	I	X1ORD0	041		1/9	
CX1OWT0	I	X1OWT0	141		1/9	
CXLATCH0	I	XLATCH0	135		1/9	
CXMEM1IO	I	XMEM1IO0	040		1/9	
CX10MINT	I	X10MSINT	033		1/9	
CX25CKRA	O	X25CLKRA	106		1/11	
CX25CKRB	O	X25CLKRB	006		1/12	
CX25CKTA	O	X25CLKTA	105		1/11	
CX25CKTB	O	X25CLKTB	005		1/12	

SYMBOL NO. 10 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1C	04-120	UN170B	A	(U)
MMP1C	04-120	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
GRD04120	I	MMPSELA	003			
	I	TSTVET1	007			
	(U)I	GRD	444			
	(V)GRD	GRD				
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
	GRD	GRD	400			
	GRD	GRD	401			
	GRD	GRD	410			
	GRD	GRD	411			
	GRD	GRD	412			
	GRD	GRD	500			
	GRD	GRD	501			
	GRD	GRD	510			
	GRD	GRD	511			
	GRD	GRD	512			
	GRD	GRD	544			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
SEGADDR8	I	SEGADDR8	103		1/2	
SEGADDR9	I	SEGADDR9	102		1/2	
OCLKN	I	OCLKN	235		1/2	P/OCLKP
OCLKP	I	OCLKP	335		1/2	P/OCLKN
ORDATAN	I	ORDATAN	237		1/2	P/ORDATAP
ORDATAP	I	ORDATAP	337		1/2	P/ORDATAN
OSYNCN	I	OSYNCN	234		1/2	P/OSYNCP
OSYNCP	I	OSYNCP	334		1/2	P/OSYNCN
OTDATAN	OT	OTDATAN	236		1/2	P/OTDATAP
OTDATAP	OT	OTDATAP	336		1/2	P/OTDATAN
1CLKN	I	1CLKN	240		1/2	P/1CLKP
1CLKP	I	1CLKP	340		1/2	P/1CLKN
1RDATAN	I	1RDATAN	242		1/2	P/1RDATAP
1RDATAP	I	1RDATAP	342		1/2	P/1RDATAN
1SYNCN	I	1SYNCN	239		1/2	P/1SYNCP
1SYNCP	I	1SYNCP	339		1/2	P/1SYNCN
1TDATAN	OT	1TDATAN	241		1/2	P/1TDATAP

SYMBOL NO. 10 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1C	04-120	UN170B	A	(U)
MMP1C	04-120	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
1TDATAP	OT	1TDATAP	341		1/Z	P/1TDATAN
10TVLOPD	I	TSTVET0	008			

SYMBOL NO. 11

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AC	04-128	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	GRD	003			
	O	TS3TDAT	232			
	O	TS2TDAT	233			
	O	TS1TDAT	234			
	O	TS0TDAT	235			
	O	TS3DAT	332			
	O	TS2DAT	333			
	O	TS1DAT	334			
	O	TS0DAT	335			
*5PWR01	PWR	*5	000			
	PWR	*5	001			
	PWR	*5	100			
	PWR	*5	101			
CACNTACK	I	CNTAACK1	220		1/10	
CACNTREQ	O	CNTAREQ0	320		1/10	
CADDPEA	O	ADDPE0	213		1/10	
CAMIBER1	O	MIBERR1	215		1/10	
CBCNTACK	I	CNTBACK1	219		1/10	
CBCNTREQ	O	CNTBREQ0	319		1/10	
CCHRPARA	I	CHRPAR	216		1/10	
CCHTPARA	I	CHTPAR	316		1/10	
CCLMIBE0	I	CLMIERR0	214		1/10	
CDATAPEA	O	DATAPE0	313		1/10	
CENBYBYT	OT	ENBYBYT0	134		1/10	
CENLOBYT	OT	ENLOBYT0	034		1/10	
CE2MHZX	I	E2MHZX	002		1/10	
CINTRPAR	I	INTRPAR	306		1/10	
CL2MHZX	I	L2MHZX	006		1/10	
CMITDATA	O	MIBTDAT	106		1/10	
CPBHE0	OT	PBHE0	018		1/12	
	I				1/9	
CP1IN	OT	GRD	037		1/12	
	I				1/9	
CRASOK1	OT	RASOK1	019		1/12	
	I				1/9	
CRCVSELA	I	RCVSELA	209		1/10	
CRCVSELB	I	RCVSELB	208		1/10	
CRULDCKA	I	RULDCKN	210		1/10	
CRVCKENA	I	RCVENAB	207		1/10	
CRVTSDAT	I	RVTSDATA	317		1/10	
CSELTPAR	I	SELTPAR1	305		1/10	
CTLDCKNA	I	TLDCLKN	310		1/10	
CTRMCKEA	I	TCKENAB	307		1/10	
CTRMSELA	I	TCKSELA	309		1/10	
CTRMSELB	I	TCKSELB	308		1/10	

SYMBOL NO. 11 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AC	04-128	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CTS0RINT	O	TS0RINT	224		1/10	
CTS0TINT	O	TS0TINT	324		1/10	
CTS1RINT	O	TS1RINT	223		1/10	
CTS1TINT	O	TS1TINT	323		1/10	
CTS2RINT	O	TS2RINT	222		1/10	
CTS2TINT	O	TS2TINT	322		1/10	
CTS3RINT	O	TS3RINT	221		1/10	
CTS3TINT	O	TS3TINT	321		1/10	
CXADDPH	IO	XADDPH	156		1/9	
CXADDPL	IO	XADDPL	056		1/9	
CXADDPU	OT	XADDPU	255		1/12	
	I				1/9	
CXADD00	IO	XADD00	046		1/9	
CXADD01	IO	XADD01	146		1/9	
CXADD02	IO	XADD02	047		1/9	
CXADD03	IO	XADD03	147		1/9	
CXADD04	IO	XADD04	048		1/9	
CXADD05	IO	XADD05	148		1/9	
CXADD06	IO	XADD06	049		1/9	
CXADD07	IO	XADD07	149		1/9	
CXADD08	IO	XADD08	050		1/9	
CXADD09	IO	XADD09	150		1/9	
CXADD10	IO	XADD10	051		1/9	
CXADD11	IO	XADD11	151		1/9	
CXADD12	IO	XADD12	052		1/9	
CXADD13	IO	XADD13	152		1/9	
CXADD14	IO	XADD14	053		1/9	
CXADD15	IO	XADD15	153		1/9	
CXADD16	IO	XADD16	054		1/9	
CXADD17	IO	XADD17	154		1/9	
CXADD18	IO	XADD18	055		1/9	
CXADD19	IO	XADD19	155		1/9	
CXALWPGE	I	XALWPGE0	020		1/9	
CXCK4MHZ	I	XCLK4MHZ	043		1/9	
CXCLK86	I	XCLK86	355		1/9	
CXCLRESR	I	XCLRESR0	133		1/9	
CXCSWIND	I	XCSWIND0	143		1/9	
CXDATAPL	IO	DATPARL0	254		1/9	
CXDATA00	IO	BYDATA00	246		1/9	
CXDATA01	IO	BYDATA01	346		1/9	
CXDATA02	IO	BYDATA02	247		1/9	
CXDATA03	IO	BYDATA03	347		1/9	
CXDATA04	IO	BYDATA04	248		1/9	
CXDATA05	IO	BYDATA05	348		1/9	
CXDATA06	IO	BYDATA06	249		1/9	
CXDATA07	IO	BYDATA07	349		1/9	
CXDYRSHAT0	I	XDYRSHAT0	136		1/9	
CXD86T1R	I	XD86T1R0	140		1/9	
CXFUNCN1	I	XFUNCEN1	122		1/9	
CXHLDACK	I	XHLDACK0	139		1/9	

PART OF FS 1
SYMBOL(S) 10 11

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE D	ISSUE 5B
AT&T BELL LABORATORIES	SD-5D136-01	B#1CL

PRINTED IN U. S. A. 06/03/85

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 11 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AC	04-128	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CXIORD0	I	XIORD0	041		1/9	
CXIOWT0	I	XIOWT0	141		1/9	
CXLATCH0	I	XLATCH0	135		1/9	
CXMEMRD0	OT	XMEMRD	042		1/12	
	I				1/9	
CXMEMWT0	OT	XMEMWT	142		1/12	
	I				1/9	
CXMEM1I0	I	XMEM1I00	040		1/9	
CX25CKRA	I	X25CLKR	218		1/10	
CX25CKTA	I	X25CLKT	318		1/10	
GRD04128	I	TN858SEL	314			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
11TVLOPA	I	TST:ET0	011			
11TVLOPB	0	X253.5	110			
	I	XX253.5M	010			
11TVLOPC	0	ENAWTBUF	109			
	I	ENWTBUF	009			
11TVLOPD	0	BRDRD0	108			
	I	BDRD0	008			

SYMBOL NO. 12

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BC	04-112	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	0	TS3TDAT	232			
	0	TS2TDAT	233			
	0	TS1TDAT	234			
	0	TS0TDAT	235			
	0	TS3DAT	332			
	0	TS2DAT	333			
	0	TS1DAT	334			
	0	TS0DAT	335			
	I	TN858SEL	314			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
CADDPEB	0	ADDPE0	213		1/10	
CBMIBER1	0	MIBERR1	215		1/10	
CCCNTACK	I	CNTAACK1	220		1/10	
CCCNTREQ	0	CNTAREQ0	320		1/10	
CCHRPARB	I	CHRPAR	216		1/10	
CCHTPARB	I	CHIPAR	316		1/10	
CCLMIBE0	I	CLMIERR0	214		1/10	
CDATAPEB	0	DATAPE0	313		1/10	
CDCNTACK	I	CNTBACK1	219		1/10	
CDCNTREQ	0	CNTBREQ0	319		1/10	
CEHBYBYT	OT	ENBYBYT0	134		1/10	
CENLOBYT	OT	ENLOBYT0	034		1/10	
CEZMHZX	I	E2MHZX	002		1/10	
CINVRPAR	I	INVRPAR	306		1/10	
CL2MHZX	I	L2MHZX	006		1/10	
CMITDATB	0	MIBTDAT	106		1/10	
CMMPZBEQ	0	GRD	003		1/10	
CPBHE0	OT	PBHE0	018		1/11	
CP11N	OT	GRD	037		1/11	
CRASOK1	OT	RASOK1	019		1/11	
CRCVSELA	I	RCKSELA	209		1/10	
CRCVSELB	I	RCKSELB	208		1/10	
CRULDCKB	I	RUNLDCKN	210		1/10	
CRVCKENB	I	RCKENAB	207		1/10	
CRVTSDAT	I	RVTSDATA	317		1/10	
CSELTPAR	I	SELTPAR1	305		1/10	
CTLDCKMB	I	TLDCLKN	310		1/10	
CTRMCKEB	I	TCKENAB	307		1/10	
CTRMSELA	I	TCKSELA	309		1/10	
CTRMSELB	I	TCKSELB	308		1/10	
CTS0RINT	0	TS0RINT	224		1/10	
CTS0TINT	0	TS0TINT	324		1/10	
CTS5RINT	0	TS1RINT	223		1/10	
CTS5TINT	0	TS1TINT	323		1/10	
CTS6RINT	0	TS2RINT	222		1/10	
CTS6TINT	0	TS2TINT	322		1/10	
CTS7RINT	0	TS3RINT	221		1/10	
CTS7TINT	0	TS3TINT	321		1/10	
CXADDPH	IO	XADDPH	156		1/9	
CXADDPL	IO	XADDPL	056		1/9	
CXADDPU	OT	XADDPU	255		1/11	
CXADD00	IO	XADD00	046		1/9	
CXADD01	IO	XADD01	146		1/9	
CXADD02	IO	XADD02	047		1/9	
CXADD03	IO	XADD03	147		1/9	
CXADD04	IO	XADD04	048		1/9	
CXADD05	IO	XADD05	148		1/9	

SYMBOL NO. 12 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BC	04-112	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CXADDC6	IO	XADD06	049		1/9	
CXADDC7	IO	XADD07	149		1/9	
CXADDC8	IO	XADD08	050		1/9	
CXADDC9	IO	XADD09	150		1/9	
CXADD10	IO	XADD10	051		1/9	
CXADD11	IO	XADD11	151		1/9	
CXADD12	IO	XADD12	052		1/9	
CXADD13	IO	XADD13	152		1/9	
CXADD14	IO	XADD14	053		1/9	
CXADD15	IO	XADD15	153		1/9	
CXADD16	IO	XADD16	054		1/9	
CXADD17	IO	XADD17	154		1/9	
CXADD18	IO	XADD18	055		1/9	
CXADD19	IO	XADD19	155		1/9	
CXALWPGE	I	XALWPGE0	020		1/9	
CXCK4MHZ	I	XCLK4MHZ	043		1/9	
CXCLK86	I	XCLK86	355		1/9	
CXCLRESR	I	XCLRESR0	133		1/9	
CXCSWIND	I	XCSWIND0	143		1/9	
CXDATAPL	IO	DATPARL0	254		1/9	
CXDATA00	IO	BYDATA00	246		1/9	
CXDATA01	IO	BYDATA01	346		1/9	
CXDATA02	IO	BYDATA02	247		1/9	
CXDATA03	IO	BYDATA03	347		1/9	
CXDATA04	IO	BYDATA04	248		1/9	
CXDATA05	IO	BYDATA05	348		1/9	
CXDATA06	IO	BYDATA06	249		1/9	
CXDATA07	IO	BYDATA07	349		1/9	
CXDYRWAT	I	XDYRWAT0	136		1/9	
CXD86T1R	I	XD86T1R0	140		1/9	
CXFUNCEN1	I	XFUNCEN1	122		1/9	
CXHLDACK	I	XHLDACK0	139		1/9	
CXIORD0	I	XIORD0	041		1/9	
CXIOWT0	I	XIOWT0	141		1/9	
CXLATCH0	I	XLATCH0	135		1/9	
CXMEMRD0	OT	XMEMRD	042		1/11	
CXMEMWT0	OT	XMEMWT	142		1/11	
CXMEM1I0	I	XMEM1I00	040		1/9	
CX25CKRB	I	X25CLKR	218		1/10	
CX25CKTB	I	X25CLKT	318		1/10	
GRD04112	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			

SYMBOL NO. 12 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BC	04-112	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
12TVLOPA	I	TST:ET0	011			
12TVLOPB	0	X253.5	110			
	I	XX253.5M	010			
12TVLOPC	0	ENAWTBUF	109			
	I	ENWTBUF	009			
12TVLOPD	0	BRDRD0	108			
	I	BDRD0	008			

PART OF FS 1

SYMBOL(S) 11 12

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: D

ISSUE: 5B

AT&T BELL LABORATORIES

SD-5D136-01

B#1CM

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 13

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPD	04-152	MC5D036A1	A	(T)
MSPPD	04-152	MC5D066A1	A	(S)
MSPPD	04-152	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	MONDBCS0	341			
	I	UACEQP0	241			
	I	UACINT0	242			
	I	INHRTCT0	243			
	I	TVCLKB	313			
	I	TVCLKA	317			
	I	PICINIT0	342			
	I	CLRISOL0	343			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	I	+5	323		1/1	
CMDINT0	I	CMDINT0	303		1/1	
DADD2PE0	I	ADD2PE0	021		1/14	
DEMDINT0	IO	CMDINT10	120		1/14	
DCSA0	O	CSA0	202		TO MESSAGE SWITCH CONTROL UNIT	
DDAT2PE0	I	DAT2PE0	121		1/14	
DENBYBYT	I	ENBYBYT0	134		1/14	
DENHIBYT	I	ENHIBYT0	035			
DENLOBYT	I	ENLOBYT0	034		1/14	
DERR0	O	ERR0	102		TO MESSAGE SWITCH CONTROL UNIT	
DINTR0	O	INTR0	302		TO MESSAGE SWITCH CONTROL UNIT	
DMAAD001	I	DMAAD001	009		1/1	
DMAAD011	I	DMAAD011	109		1/1	
DMAAD021	I	DMAAD021	010		1/1	
DMAAD031	I	DMAAD031	110		1/1	
DMAAD041	I	DMAAD041	011		1/1	
DMAAD051	I	DMAAD051	111		1/1	
DMAAD061	I	DMAAD061	013		1/1	
DMAAD071	I	DMAAD071	113		1/1	
DMAAD081	I	DMAAD081	014		1/1	
DMAAD091	I	DMAAD091	114		1/1	
DMAAD101	I	DMAAD101	015		1/1	
DMAAD111	I	DMAAD111	115		1/1	
DMAAD121	I	DMAAD121	016		1/1	
DMAAD131	I	DMAAD131	116		1/1	
DMAAD141	I	DMAAD141	017		1/1	
DMAAD151	I	DMAAD151	117		1/1	
DMADAP1	IO	DMADAP1	205		1/1	
DMADA001	IO	DMADA001	005		1/1	
DMADA011	IO	DMADA011	105		1/1	
DMADA021	IO	DMADA021	006		1/1	
DMADA031	IO	DMADA031	106		1/1	
DMADA041	IO	DMADA041	007		1/1	
DMADA051	IO	DMADA051	107		1/1	
DMADA061	IO	DMADA061	008		1/1	
DMADA071	IO	DMADA071	108		1/1	
DMAOPC0	I	DMAOPC0	104		1/1	
DMARD0	I	DMARD0	204	(Y,Z)	(Y,Z)1/1	P/NOTE 311
DMAREQ0	I	DMAREQ0	004		1/1	
DMAWT0	I	DMAWT0	304	(Y,Z)	(Y,Z)1/1	P/NOTE 311
DPBHE0	IO	PBHE0	018		1/15	
DPCSEL0	I	PCSEL0	305		TO MESSAGE SWITCH CONTROL UNIT	

SYMBOL NO. 13 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPD	04-152	MC5D036A1	A	(T)
MSPPD	04-152	MC5D066A1	A	(S)
MSPPD	04-152	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DPUMPCS0	O	PUMPCS0	119			
DP1IN	I	P1IN	037		1/15	
DP2IN	I	P2IN	118			
DRASOK1	I	RASOK1	019		1/15	
DSR0	O	SR0	002		TO MESSAGE SWITCH CONTROL UNIT	
DSTAT863	O	STAT86S3	233			
DSTAT864	O	STAT86S4	333			
DSTAT865	O	STAT86S5	234			
DWDDAT00	O	WDDATA00	235			
DWDDAT01	O	WDDATA01	335			
DWDDAT02	O	WDDATA02	236			
DWDDAT03	O	WDDATA03	336			
DWDDAT04	O	WDDATA04	237			
DWDDAT05	O	WDDATA05	337			
DWDDAT06	O	WDDATA06	238			
DWDDAT07	O	WDDATA07	338			
DXADDPH	IO	XADDPH	156		1/15,1/16	
DXADDPL	IO	XADDPL	056		1/15,1/16 1/14	
DXADDPU	IO	XADDPU	255		1/15	
DXADD00	IO	XADD00	046		1/15,1/16 1/14	
DXADD01	IO	XADD01	146		1/15,1/16 1/14	
DXADD02	IO	XADD02	047		1/15,1/16 1/14	
DXADD03	IO	XADD03	147		1/15,1/16 1/14	
DXADD04	IO	XADD04	048		1/15,1/16 1/14	
DXADD05	IO	XADD05	148		1/15,1/16 1/14	
DXADD06	IO	XADD06	049		1/15,1/16 1/14	
DXADD07	IO	XADD07	149		1/15,1/16 1/14	
DXADD08	IO	XADD08	050		1/15,1/16	
DXADD09	IO	XADD09	150		1/15,1/16	
DXADD10	IO	XADD10	051		1/15,1/16	
DXADD11	IO	XADD11	151		1/15,1/16	
DXADD12	IO	XADD12	052		1/15,1/16	
DXADD13	IO	XADD13	152		1/15,1/16	
DXADD14	IO	XADD14	053		1/15,1/16	
DXADD15	IO	XADD15	153		1/15,1/16	
DXADD16	IO	XADD16	054		1/15,1/16	
DXADD17	IO	XADD17	154		1/15,1/16	
DXADD18	IO	XADD18	055		1/15,1/16	
DXADD19	IO	XADD19	155		1/15,1/16	
DXALWPGE	O	XALWPGE0	020		1/14,1/15 1/16	
DXCK4MHZ	O	XCLK4MHZ	043		1/14,1/15 1/16	
DXCLK86	O	XCLK86	355		1/15,1/16	
DXCLRESR	O	XCLRESR0	133		1/14,1/15 1/16	
DXCONTWS	I	CONTWS0	036			
DXCSWIND	O	XCSWIND0	143		1/14,1/15 1/16	
DXDATAPH	IO	DATPARHI	354			
DXDATAPL	IO	DATPARLO	254		1/14,1/15 1/16	
DXDATA00	IO	BYDATA00	246		1/14,1/15 1/16	

SYMBOL NO. 13 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPD	04-152	MC5D036A1	A	(T)
MSPPD	04-152	MC5D066A1	A	(S)
MSPPD	04-152	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DXDATA01	IO	BYDATA01	346		1/14,1/15 1/16	
DXDATA02	IO	BYDATA02	247		1/14,1/15 1/16	
DXDATA03	IO	BYDATA03	347		1/14,1/15 1/16	
DXDATA04	IO	BYDATA04	248		1/14,1/15 1/16	
DXDATA05	IO	BYDATA05	348		1/14,1/15 1/16	
DXDATA06	IO	BYDATA06	249		1/14,1/15 1/16	
DXDATA07	IO	BYDATA07	349		1/14,1/15 1/16	
DXDATA08	IO	WDDATA08	250			
DXDATA09	IO	WDDATA09	350			
DXDATA10	IO	WDDATA10	251			
DXDATA11	IO	WDDATA11	351			
DXDATA12	IO	WDDATA12	252			
DXDATA13	IO	WDDATA13	352			
DXDATA14	IO	WDDATA14	253			
DXDATA15	IO	WDDATA15	353			
DXDIRLRHW	O	XDIRLRHW	137			
DXDYPWAT	O	XDYPWAT0	136		1/15,1/16	
DXD86T1R	O	XD86T1R0	140		1/14,1/15 1/16	
DXFUNCN1	O	XFUNCEN1	122		1/14,1/15 1/16	
DXHLDACK	O	XHLDACK0	139		1/14,1/15 1/16	
DXHLDREQ	I	XHLDREQ0	039		1/14	
DXINTACK	O	XINTACK0	138		1/14	
DXINTREQ	I	XINTREQ0	038		1/14	
DXIORD0	O	XIORD0	041		1/14,1/15 1/16	
DXIOWT0	O	XIOWT0	141		1/14,1/15 1/16	
DXLATCH0	O	XLATCH0	135		1/14,1/15 1/16	
DXMEMRD0	IO	XMEMRD	042		1/15	
DXMEMWT0	IO	XMEMWT	142		1/15	
DXSEMI10	O	XMEMIO0	040		1/14,1/15 1/16	
DXPWRRST	O	XPWRRST0	022			
DXRD860	O	XRD860	232			
DXWT860	O	XWT860	332			
DX10MINT	O	X10MSINT	033		1/14	
GRDDMARD	GRD	GRD	201	(Y)		P/DMARD0
GRDDMAW0	GRD	GRD	301	(Y)		P/DMAWT0
GRD04152	I	ENTVCLKB	213			
	I	ENTVCLKA	217			
	I	TVCLR1	224			
	I	XPGM64E	324			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			

SYMBOL NO. 13 (CONT)

MESSAGE SWITCH PERIPHERAL PROCESSOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPPD	04-152	MC5D036A1	A	(T)
MSPPD	04-152	MC5D066A1	A	(S)
MSPPD	04-152	MC5D066A1B	A	(R)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
INITPC0	I	INITPC0	203		1/1	
NCURPR	IO	NCURPR	012		1/2	
PCURPR	IO	PCURPR	112		1/2	
RISOL0	I	RISOL0	103		1/1	
SISOL0	I	SISOL0	003		1/1	
13TVLOPB	O	CLK500KH	316			
	I	IRTCLK	216			
13TVLOPC	O	ORTCD100	315			
	I	IRTCD100	215			
13TVLOPD	O	ORTCD10K	314			
	I	ISANTCLK	214			

PART OF FS 1

SYMBOL(S) 13

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE	ISSUE
12	5B

AT&T BELL LABORATORIES | SD-5D136-01 | B#1CN

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PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 14

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1D	04-168	UN1708	A	(U)
MMP1D	04-168	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	SYNCLKE1	013			
	O	MIBCLKE1	113			
	O	SEQPER0	219			
	O	RCVPER0	220			
	O	TSSL01	221			
	O	CHKTSSP	222			
	O	SPAREG	223			
	(U)O	INVBIT6P	224			
	(V)O	SPAREF				
	O	SPARED	243			
	O	TRMPER0	319			
	O	TSSPER0	320			
	O	TSSCK	321			
	O	TSSPCK	322			
	O	SPAREE	323			
	O	SEQPAR	324			
	O	MIBERR1	333			
	O	SPAREC	343			
	I	MMPSELA	003			
	I	TVACC1	232			
	I	TVACC2	233			
	I	TVACC3	332			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
DACNTACK	O	ACNTACK1	533		1/15	
DACNTREQ	I	ACNTREQ0	535		1/15	
DADDPEA	I	ADDPEA	539		1/15	
DADDPEB	I	ADDPEB	439		1/16	
DADD2PE0	O	ADD2PE0	021		1/13	
DAMIBER1	I	AMIBERR1	542		1/15	
DBCNTACK	O	BCNTACK1	532		1/15	
DBCNTREQ	I	BCNTREQ0	534		1/15	
DBMIBER1	I	BMIBERR1	442		1/16	
DCCNTACK	O	CCNTACK1	433		1/16	
DCCNTREQ	I	CCNTREQ0	435		1/16	
DCHRPARA	O	CHRPARA	305		1/15	
DCHRPARB	O	CHRPARB	205		1/16	
DCHTPARA	O	CHTPARA	306		1/15	
DCHTPARB	O	CHTPARB	206		1/16	
DCLMIBE0	O	CLMIBE0	541		1/15,1/16	
DCMDINT0	I	CMDINT10	120		1/13	
DDATAPEA	I	DATAPEA	540		1/15	
DDATAPEB	I	DATAPEB	440		1/16	
DDATZPE0	O	DATZPE0	121		1/13	
DDCNTACK	O	DCNTACK1	432		1/16	
DDCNTREQ	I	DCNTREQ0	434		1/16	
DENBYBYT	OT	ENBYBYT0	134		1/15,1/16	
	I				1/13	
DENLOBYT	OT	ENLOBYT0	034		1/15,1/16	
	I				1/13	
DE2MHZX	O	E2MHZX	509		1/15,1/16	
DINVRPAR	O	INVRPAR	502		1/15,1/16	
DL2MHZX	O	L2MHZX	513		1/15,1/16	
DMITDATA	I	AMIBTDAT	302		1/15	
DMITDATB	I	BMIBTDAT	202		1/16	
DMMP2BEQ	I	MMP2BEQ0	443		1/16	
DP11N	(U)GRD	P2IN	037			
	(V)GRD	GRD				
DRCVSELA	O	RCVSELA	304		1/15,1/16	

SYMBOL NO. 14 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1D	04-168	UN1708	A	(U)
MMP1D	04-168	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DRCVSELB	O	RCVSELB	303		1/15,1/16	
DRULDCKA	O	RULDCKNA	309		1/15	
DRULDCKB	O	RULDCKNB	209		1/16	
DRVCKENA	O	RCVCKENA	307		1/15	
DRVCKENB	O	RCVCKENB	207		1/16	
DRVTSDAT	(U)O	RVTSDATA	402		1/15,1/16	
	(V)O	RVTSDAT				
DSELTPAR	O	SELTPAR1	503		1/15,1/16	
DTLDCKNA	O	TLDCKNA	310		1/15	
DTLDCKNB	O	TLDCKNB	210		1/16	
DTRMCKEA	O	TRMCKENA	308		1/15	
DTRMCKEB	O	TRMCKENB	208		1/16	
DTRMSELA	O	TRMSELA	204		1/15,1/16	
DTRMSELB	O	TRMSELB	203		1/15,1/16	
DTSORINT	I	TSORINT	552		1/15	
DTSOTINT	I	TSOTINT	452		1/15	
DTS1RINT	I	TS1RINT	551		1/15	
DTS1TINT	I	TS1TINT	451		1/15	
DTS2RINT	I	TS2RINT	550		1/15	
DTS2TINT	I	TS2TINT	450		1/15	
DTS3RINT	I	TS3RINT	549		1/15	
DTS3TINT	I	TS3TINT	449		1/15	
DTS4RINT	I	TS4RINT	548		1/16	
DTS4TINT	I	TS4TINT	448		1/16	
DTS5RINT	I	TS5RINT	547		1/16	
DTS5TINT	I	TS5TINT	447		1/16	
DTS6RINT	I	TS6RINT	546		1/16	
DTS6TINT	I	TS6TINT	446		1/16	
DTS7RINT	I	TS7RINT	545		1/16	
DTS7TINT	I	TS7TINT	445		1/16	
DXADDPL	I	XADDPL	056		1/13	
DXADD00	I	XADD00	046		1/13	
DXADD01	I	XADD01	146		1/13	
DXADD02	I	XADD02	047		1/13	
DXADD03	I	XADD03	147		1/13	
DXADD04	I	XADD04	048		1/13	
DXADD05	I	XADD05	148		1/13	
DXADD06	I	XADD06	049		1/13	
DXADD07	I	XADD07	149		1/13	
DXALWPGE	I	XALWPGE0	020		1/13	
DXCK4MHZ	I	XCLK4MHZ	043		1/13	
DXCLRESR	I	XCLRESR0	133		1/13	
DXCSWIND	I	XCSWIND0	143		1/13	
DXDATAPL	IO	DATPARL0	254		1/13	
DXDATA00	IO	BYDATA00	246		1/13	
DXDATA01	IO	BYDATA01	346		1/13	
DXDATA02	IO	BYDATA02	247		1/13	
DXDATA03	IO	BYDATA03	347		1/13	
DXDATA04	IO	BYDATA04	248		1/13	
DXDATA05	IO	BYDATA05	348		1/13	
DXDATA06	IO	BYDATA06	249		1/13	
DXDATA07	IO	BYDATA07	349		1/13	
DXD86T1R	I	XD86T1R0	140		1/13	
DXFUNCN1	I	XFUNCEN1	122		1/13	
DXHLDACK	I	XHLDACK0	139		1/13	
DXHLDREQ	O	XHLDREQ0	039		1/13	
DXINTACK	I	XINTACK0	138		1/13	
DXINTREQ	O	XINTREQ0	038		1/13	

SYMBOL NO. 14 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1D	04-168	UN1708	A	(U)
MMP1D	04-168	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DX10RD0	I	X10RD0	041		1/13	
DX10WT0	I	X10WT0	141		1/13	
DXLATCH0	I	XLATCH0	135		1/13	
DXMEM1I0	I	XMEM1I00	040		1/13	
DX10MINT	I	X10MSINT	033		1/13	
DX25CKRA	O	X25CLKRA	106		1/15	
DX25CKRB	O	X25CLKRB	006		1/16	
DX25CKTA	O	X25CLKTA	105		1/15	
DX25CKTB	O	X25CLKTB	005		1/16	
GRD04168	I	MMPSELB	002			
	I	TSTVET1	007			
	(U)I	GRD	444			
	(V)GRD	GRD				
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
	GRD	GRD	400			
	GRD	GRD	401			
	GRD	GRD	410			
	GRD	GRD	411			
	GRD	GRD	412			
	GRD	GRD	500			
	GRD	GRD	501			
	GRD	GRD	510			
	GRD	GRD	511			
	GRD	GRD	512			
	GRD	GRD	544			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
SEQADDR8	I	SEQADDR8	103		1/2	
SEQADDR9	I	SEQADDR9	102		1/2	
OCLKN	I	OCLKN	235		1/2	P/OCLKP
OCLKP	I	OCLKP	335		1/2	P/OCLKN
ORDATAN	I	ORDATAN	237		1/2	P/ORDATAP
ORDATAP	I	ORDATAP	337		1/2	P/ORDATAN
OSYNCN	I	OSYNCN	234		1/2	P/OSYNCP
OSYNCP	I	OSYNCP	334		1/2	P/OSYNCN

SYMBOL NO. 14 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP1D	04-168	UN1708	A	(U)
MMP1D	04-168	UN170	A	(V)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
0TDATAN	OT	0TDATAN	236		1/2	P/0TDATAP
0TDATAP	OT	0TDATAP	336		1/2	P/0TDATAN
1CLKN	I	1CLKN	240		1/2	P/1CLKP
1CLKP	I	1CLKP	340		1/2	P/1CLKN
1RDATAN	I	1RDATAN	242		1/2	P/1RDATAP
1RDATAP	I	1RDATAP	342		1/2	P/1RDATAN
1SYNCN	I	1SYNCN	239		1/2	P/1SYNCP
1SYNCP	I	1SYNCP	339		1/2	P/1SYNCN
1TDATAN	OT	1TDATAN	241		1/2	P/1TDATAP
1TDATAP	OT	1TDATAP	341		1/2	P/1TDATAN
14TVLOPD	I	TSTVET0	008			

PART OF FS 1
SYMBOL(S) 14

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: D2
ISSUE: 3D

AT&T BELL LABORATORIES | SD-5D136-01 | B#1CP

PART OF FS 1

MODULE MESSAGE PROCESSORS

SYMBOL NO. 15

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AD	04-160	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	GRD	003			
	O	TS3TDAT	232			
	O	TS2TDAT	233			
	O	TS1TDAT	234			
	O	TS0TDAT	235			
	O	TS3DAT	332			
	O	TS2DAT	333			
	O	TS1DAT	334			
	O	TS0DAT	335			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
DACNTACK	I	CNTAACK1	220		1/14	
DACNTREQ	O	CNTAREQ0	320		1/14	
DADDPEA	O	ADDPE0	213		1/14	
DAMIBER1	O	MIBERR1	215		1/14	
DBCNTACK	I	CNTBACK1	219		1/14	
DBCNTREQ	O	CNTBREQ0	319		1/14	
DCHRPARA	I	CHRPAR	216		1/14	
DCHTPARA	I	CHTPAR	316		1/14	
DCLMIBE0	I	CLMIERR0	214		1/14	
DDATAPEA	O	DATAPE0	313		1/14	
DENBYBYT	OT	ENBYBYT0	134		1/14	
DENLOBYT	OT	ENLOBYT0	034		1/14	
DE2MHZX	I	E2MHZX	002		1/14	
DINVRPAR	I	INVRPAR	306		1/14	
DL2MHZX	I	L2MHZX	006		1/14	
DMITDATA	O	MIBTDAT	106		1/14	
DPBHE0	OT	PBHE0	018		1/16	
	I				1/13	
DP1IN	OT	GRD	037		1/16	
	I				1/13	
DRASOK1	OT	RASOK1	019		1/16	
	I				1/13	
DRCVSELA	I	RCKSELA	209		1/14	
DRCVSELB	I	RCKSELB	208		1/14	
DRULDCKA	I	RUNLDCKN	210		1/14	
DRVCKENA	I	RCKENAB	207		1/14	
DRVTSDAT	I	RVTSDATA	317		1/14	
DSELTPAR	I	SELTPAR1	305		1/14	
DTLDCKNA	I	TLDCLKN	310		1/14	
DTRMCKEA	I	TCKENAB	307		1/14	
DTRMSELA	I	TCKSELA	309		1/14	
DTRMSELB	I	TCKSELB	308		1/14	
DTS0RINT	O	TS0RINT	224		1/14	
DTS0TINT	O	TS0TINT	324		1/14	
DTS1RINT	O	TS1RINT	223		1/14	
DTS1TINT	O	TS1TINT	323		1/14	
DTS2RINT	O	TS2RINT	222		1/14	
DTS2TINT	O	TS2TINT	322		1/14	
DTS3RINT	O	TS3RINT	221		1/14	
DTS3TINT	O	TS3TINT	321		1/14	
DXADDPH	IO	XADDPH	156		1/13	
DXADDPL	IO	XADDPL	056		1/13	
DXADDPU	OT	XADDPU	255		1/16	
	I				1/13	
DXADD00	IO	XADD00	046		1/13	
DXADD01	IO	XADD01	146		1/13	
DXADD02	IO	XADD02	047		1/13	
DXADD03	IO	XADD03	147		1/13	

SYMBOL NO. 15 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AO	04-160	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DXADD04	IO	XADD04	048		1/13	
DXADD05	IO	XADD05	148		1/13	
DXADD06	IO	XADD06	049		1/13	
DXADD07	IO	XADD07	149		1/13	
DXADD08	IO	XADD08	050		1/13	
DXADD09	IO	XADD09	150		1/13	
DXADD10	IO	XADD10	051		1/13	
DXADD11	IO	XADD11	151		1/13	
DXADD12	IO	XADD12	052		1/13	
DXADD13	IO	XADD13	152		1/13	
DXADD14	IO	XADD14	053		1/13	
DXADD15	IO	XADD15	153		1/13	
DXADD16	IO	XADD16	054		1/13	
DXADD17	IO	XADD17	154		1/13	
DXADD18	IO	XADD18	055		1/13	
DXADD19	IO	XADD19	155		1/13	
DXALWPGE	I	XALWPGE0	020		1/13	
DXCK4MHZ	I	XCLK4MHZ	043		1/13	
DXCLK86	I	XCLK86	355		1/13	
DXCLRESR	I	XCLRESR0	133		1/13	
DXCSWIND	I	XCSWIND0	143		1/13	
DXDATAPL	IO	DATPARL0	254		1/13	
DXDATA00	IO	BYDATA00	246		1/13	
DXDATA01	IO	BYDATA01	346		1/13	
DXDATA02	IO	BYDATA02	247		1/13	
DXDATA03	IO	BYDATA03	347		1/13	
DXDATA04	IO	BYDATA04	248		1/13	
DXDATA05	IO	BYDATA05	348		1/13	
DXDATA06	IO	BYDATA06	249		1/13	
DXDATA07	IO	BYDATA07	349		1/13	
DXDYRWAT	I	XDYRWAT0	136		1/13	
DXD86T1R	I	XD86T1R0	140		1/13	
DXFUNCN1	I	XFUNCEN1	122		1/13	
DXHLDACK	I	XHLDACK0	139		1/13	
DXIORDO	I	XIORDO	041		1/13	
DXIOWTO	I	XIOWTO	141		1/13	
DXLATCH0	I	XLATCH0	135		1/13	
DXMEMRDO	OT	XMEMRD	042		1/16	
	I				1/13	
DXMEMWTO	OT	XMEMWT	142		1/16	
	I				1/13	
DXMEM110	I	XMEM1100	040		1/13	
DXZ5CKRA	I	XZ5CLKR	218		1/14	
DXZ5CKTA	I	XZ5CLKT	318		1/14	
GRD04160	I	TN858SEL	314			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			

SYMBOL NO. 15 (CONT)

MODULE MESSAGE PROCESSOR 2

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2AD	04-160	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
15TVLOPA	I	TSTVET0	011			
15TVLOPB	O	X253.5	110			
	I	XX253.5M	010			
15TVLOPC	O	ENAWTBUF	109			
	I	ENWTBUF	009			
15TVLOPD	O	BRDRD0	108			
	I	BDRD0	008			

SYMBOL NO. 16

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BO	04-176	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	TS3TDAT	232			
	O	TS2TDAT	233			
	O	TS1TDAT	234			
	O	TS0TDAT	235			
	O	TS3DAT	332			
	O	TS2DAT	333			
	O	TS1DAT	334			
	O	TS0DAT	335			
	I	TN858SEL	314			
+5PWR01	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
DADDPE8	O	ADDPE0	213		1/14	
DBMIBER1	O	MIBERR1	215		1/14	
DCCNTACK	I	CNTAACK1	220		1/14	
DCCNTREQ	O	CNTAREQ0	320		1/14	
DCHRPARB	I	CHRPAR	216		1/14	
DCHTPARB	I	CHTPAR	316		1/14	
DCLMIBE0	I	CLMIERR0	214		1/14	
DDATAPE8	O	DATAPE0	313		1/14	
DDCNTACK	I	CNTBACK1	219		1/14	
DDCNTREQ	O	CNTBREQ0	319		1/14	
DENBYBYT	OT	ENBYBYT0	134		1/14	
DENLOBYT	OT	ENLOBYT0	034		1/14	
DE2MHZX	I	E2MHZX	002		1/14	
DINVRPAR	I	INVRPAR	306		1/14	

SYMBOL NO. 16 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BD	04-176	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DL2MHZX	I	L2MHZX	006		1/14	
DMITDATB	O	MIBTDAT	106		1/14	
DMMP2BEQ	O	GRD	003		1/14	
DPBHE0	OT	PBHE0	018		1/15	
DP1IN	OT	GRD	037		1/15	
DRASOK1	OT	RASOK1	019		1/15	
DRCVSELA	I	RCKSELA	209		1/14	
DRCVSELB	I	RCKSELB	208		1/14	
DRULDCKB	I	RUNLDCKN	210		1/14	
DRVCKENB	I	RCKENAB	207		1/14	
DRVTSDAT	I	RVTSDATA	317		1/14	
DSELTPAR	I	SELTPAR1	305		1/14	
DTLDCKNB	I	TLDCLKN	310		1/14	
DTRMCKEB	I	TCKENAB	307		1/14	
DTRMSELA	I	TCKSELA	309		1/14	
DTRMSELB	I	TCKSELB	308		1/14	
DTS4RINT	O	TS0RINT	224		1/14	
DTS4TINT	O	TS0TINT	324		1/14	
DTS5RINT	O	TS1RINT	223		1/14	
DTS5TINT	O	TS1TINT	323		1/14	
DTS6RINT	O	TS2RINT	222		1/14	
DTS6TINT	O	TS2TINT	322		1/14	
DTS7RINT	O	TS3RINT	221		1/14	
DTS7TINT	O	TS3TINT	321		1/14	
DXADDPH	IO	XADDPH	156		1/13	
DXADDPL	IO	XADDPL	056		1/13	
DXADDPU	OT	XADDPU	255		1/15	
DXADD00	IO	XADD00	046		1/13	
DXADD01	IO	XADD01	146		1/13	
DXADD02	IO	XADD02	047		1/13	
DXADD03	IO	XADD03	147		1/13	
DXADD04	IO	XADD04	048		1/13	
DXADD05	IO	XADD05	148		1/13	
DXADD06	IO	XADD06	049		1/13	
DXADD07	IO	XADD07	149		1/13	
DXADD08	IO	XADD08	050		1/13	
DXADD09	IO	XADD09	150		1/13	
DXADD10	IO	XADD10	051		1/13	
DXADD11	IO	XADD11	151		1/13	
DXADD12	IO	XADD12	052		1/13	
DXADD13	IO	XADD13	152		1/13	
DXADD14	IO	XADD14	053		1/13	
DXADD15	IO	XADD15	153		1/13	
DXADD16	IO	XADD16	054		1/13	
DXADD17	IO	XADD17	154		1/13	
DXADD18	IO	XADD18	055		1/13	
DXADD19	IO	XADD19	155		1/13	
DXALWPGE	I	XALWPGE0	020		1/13	
DXCK4MHZ	I	XCLK4MHZ	043		1/13	
DXCLK86	I	XCLK86	355		1/13	

PART OF FS 1

SYMBOL(S) 15 16

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: D2

ISSUE: 3D

AT&T BELL LABORATORIES

SD-5D136-01

B#1CR

SYMBOL NO. 16 (CONT)

MODULE MESSAGE PROCESSOR 1

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MMP2BD	04-176	MC5D037A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DXCLRESR	I	XCLRESR0	133		1/13	
DXCSWIND	I	XCSWIND0	143		1/13	
DXDATAPL	IO	DATPARL0	254		1/13	
DXDATA00	IO	BYDATA00	246		1/13	
DXDATA01	IO	BYDATA01	346		1/13	
DXDATA02	IO	BYDATA02	247		1/13	
DXDATA03	IO	BYDATA03	347		1/13	
DXDATA04	IO	BYDATA04	248		1/13	
DXDATA05	IO	BYDATA05	348		1/13	
DXDATA06	IO	BYDATA06	249		1/13	
DXDATA07	IO	BYDATA07	349		1/13	
DXDYRWAT	I	XDYRWAT0	136		1/13	
DXD86T1R	I	XD86T1R0	140		1/13	
DXFUNEN1	I	XFUNCEN1	122		1/13	
DXHLDACK	I	XHLDACK0	139		1/13	
DX1ORD0	I	X1ORD0	041		1/13	
DX1OWT0	I	X1OWT0	141		1/13	
DXLATCH0	I	XLATCH0	135		1/13	
DXMEMRD0	OT	XMEMRD	042		1/15	
DXMEMWT0	OT	XMEMWT	142		1/15	
DXMEM1I0	I	XMEM1I00	040		1/13	
DX25CKRB	I	X25CLKR	218		1/14	
DX25CKTB	I	X25CLKT	318		1/14	
GRD04176	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	032			
	GRD	GRD	044			
	GRD	GRD	045			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	132			
	GRD	GRD	144			
	GRD	GRD	145			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	311			
	GRD	GRD	312			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	356			
NCURPR	OT	-CURPR	012		1/2	
PCURPR	OT	+CURPR	112		1/2	
16TVLOPA	I	TSTVET0	011			
16TVLOPB	O	X253.5	110			
	I	XX253.5M	010			
16TVLOPC	O	ENAWTBUF	109			
	I	ENWTBUF	009			
16TVLOPD	O	BRDRD0	108			
	I	BDRD0	008			

PART OF FS 1
SYMBOL(S) 16

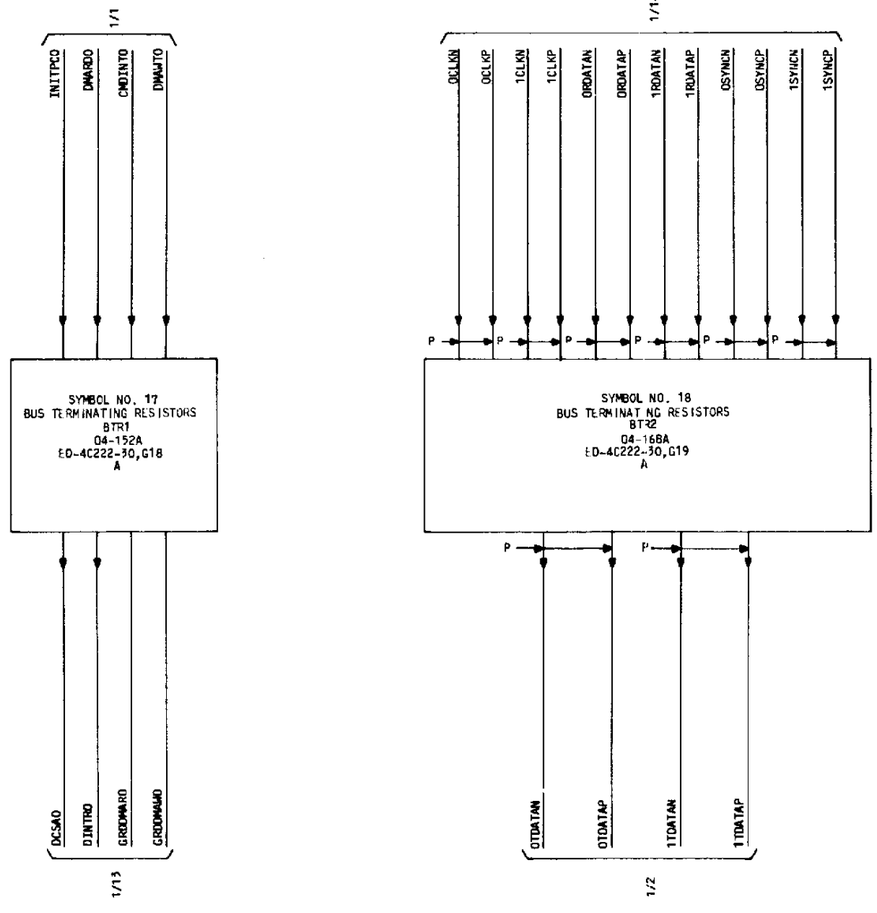
MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE	ISSUE
02	3D

AT&T BELL LABORATORIES	SD-5D136-01	B#1CT

PART OF FS I

MODULE MESSAGE PROCESSORS
(P/O INTERCONNECTION & FLOW DIAGRAM)

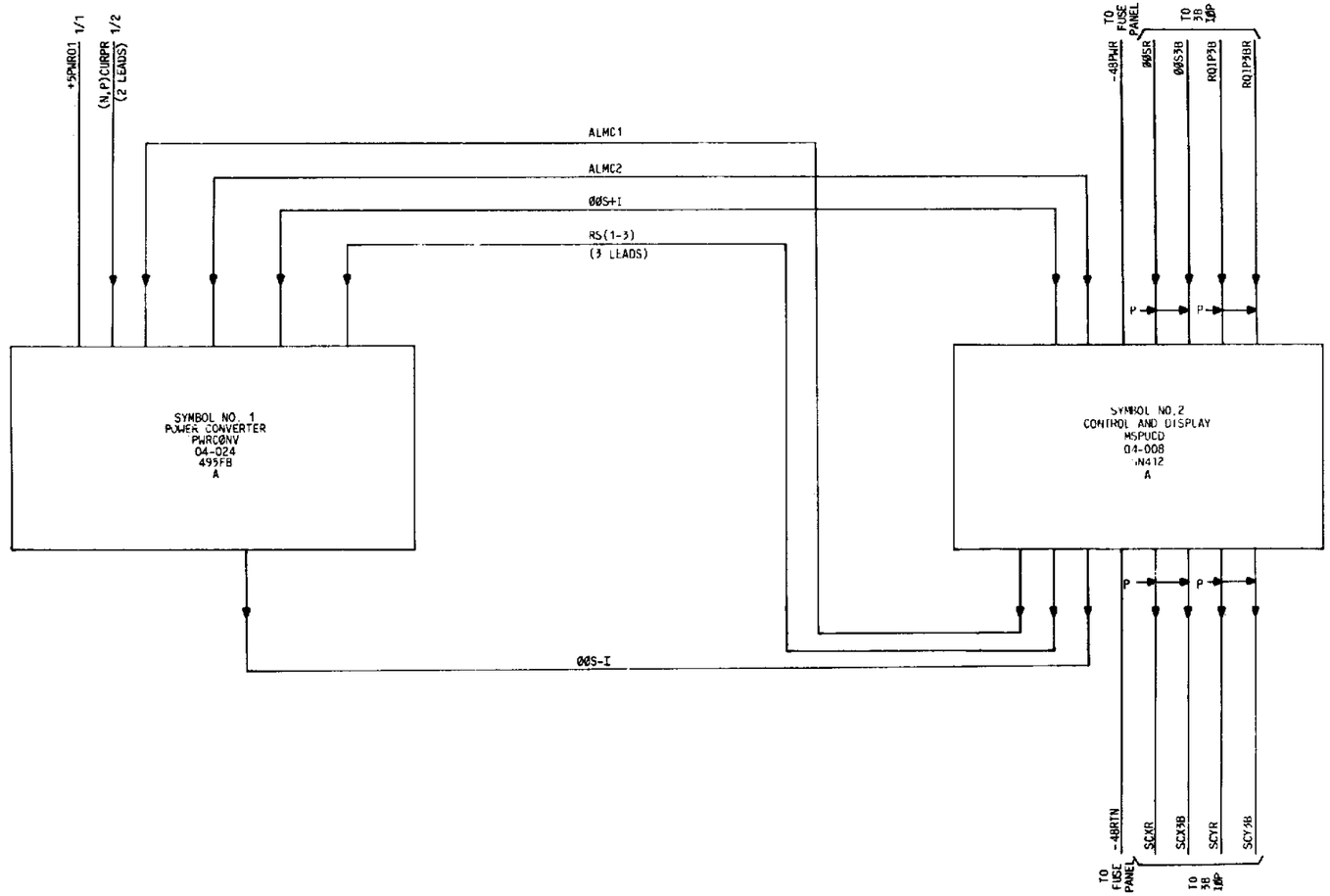


SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE B	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	SHEET B#1CU

PART OF FS 2

POWER
(P/O INTERCONNECTION & FLOW DIAGRAM)



MESSAGE SWITCH PERIPHERAL UNIT		DWG SIZE	ISSUE
		8S	4AC
AT&T BELL LABORATORIES	SD-50136-01		B#2AA

PART OF FS 2

POWER

SYMBOL NO. 1

POWER CONVERTER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWRCONV	04-024	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	INT	012			
	O	INT	112			
	I	RS4	010			
+5PWR01	PWR	SC(+)	019			
	PWR	VOUT1(+)	045			
	PWR	VOUT1(+)	046			
	PWR	VOUT1(+)	047			
	PWR	VOUT1(+)	048			
	PWR	VOUT1(+)	049			
	PWR	VOUT1(+)	050			
	PWR	VOUT1(+)	051			
	PWR	VOUT1(+)	052			
	PWR	VOUT1(+)	053			
	PWR	VOUT1(+)	054			
	PWR	VOUT1(+)	055			
	PWR	VOUT1(+)	056			
	PWR	VOUT1(+)	146			
	PWR	VOUT1(+)	147			
	PWR	VOUT1(+)	148			
	PWR	VOUT1(+)	149			
	PWR	VOUT1(+)	150			
	PWR	VOUT1(+)	151			
	PWR	VOUT1(+)	152			
	PWR	VOUT1(+)	153			
	PWR	VOUT1(+)	154			
	PWR	VOUT1(+)	155			
	PWR	VOUT1(+)	156			
	PWR	VOUT1(+)	245			
	PWR	VOUT1(+)	246			
	PWR	VOUT1(+)	247			
	PWR	VOUT1(+)	248			
	PWR	VOUT1(+)	249			
	PWR	VOUT1(+)	250			
	PWR	VOUT1(+)	251			
	PWR	VOUT1(+)	252			
	PWR	VOUT1(+)	253			
	PWR	VOUT1(+)	254			
	PWR	VOUT1(+)	255			
	PWR	VOUT1(+)	256			
	PWR	VOUT1(+)	345			
	PWR	VOUT1(+)	346			
	PWR	VOUT1(+)	347			
	PWR	VOUT1(+)	348			
	PWR	VOUT1(+)	349			
	PWR	VOUT1(+)	350			
	PWR	VOUT1(+)	351			
	PWR	VOUT1(+)	352			
	PWR	VOUT1(+)	353			
	PWR	VOUT1(+)	354			
	PWR	VOUT1(+)	355			
	PWR	VOUT1(+)	356			
-48PWR	I	VOUT1(+)	145		1/1	
	PWR	VIN(-)	006			
	PWR	VIN(-)	007			
	PWR	VIN(-)	008			
	PWR	VIN(-)	106			
	PWR	VIN(-)	107			
	PWR	VIN(-)	108			
	PWR	VIN(-)	206			
	PWR	VIN(-)	207			

SYMBOL NO. 1 (CONT)

POWER CONVERTER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWRCONV	04-024	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	PWR	VIN(-)	208			
	PWR	VIN(-)	306			
	PWR	VIN(-)	307			
-48RTN	PWR	VIN(-)	308			
	GRD	VIN(+)	003			
	GRD	VIN(+)	004			
	GRD	VIN(+)	005			
	GRD	VIN(+)	102			
	GRD	VIN(+)	103			
	GRD	VIN(+)	104			
	GRD	VIN(+)	203			
	GRD	VIN(+)	204			
	GRD	VIN(+)	205			
	GRD	VIN(+)	302			
	GRD	VIN(+)	303			
	GRD	VIN(+)	304			
ALMC1	I	ALM1	113		2/2	
ALMC2	I	ALM2	014		2/2	
GRD04024	PWR	VOUT1(-)	038			
	PWR	VOUT1(-)	039			
	PWR	VOUT1(-)	040			
	PWR	VOUT1(-)	041			
	PWR	VOUT1(-)	138			
	PWR	VOUT1(-)	139			
	PWR	VOUT1(-)	140			
	PWR	VOUT1(-)	141			
	GRD	FRGRD	000			
	GRD	FRGRD	001			
	GRD	VOUT1(-)	032			
	GRD	VOUT1(-)	033			
	GRD	VOUT1(-)	034			
	GRD	VOUT1(-)	035			
	GRD	VOUT1(-)	036			
	GRD	VOUT1(-)	037			
	GRD	VOUT1(-)	042			
	GRD	VOUT1(-)	043			
	GRD	FRGRD	100			
	GRD	FRGRD	101			
	GRD	S(-)	119			
	GRD	VOUT1(-)	132			
	GRD	VOUT1(-)	133			
	GRD	VOUT1(-)	134			
	GRD	VOUT1(-)	135			
	GRD	VOUT1(-)	136			
	GRD	VOUT1(-)	137			
	GRD	VOUT1(-)	142			
	GRD	VOUT1(-)	143			
	GRD	FRGRD	200			
	GRD	FRGRD	201			
	GRD	VOUT1(-)	232			
	GRD	VOUT1(-)	233			
	GRD	VOUT1(-)	234			
	GRD	VOUT1(-)	235			
	GRD	VOUT1(-)	236			
	GRD	VOUT1(-)	237			
	GRD	VOUT1(-)	238			
	GRD	VOUT1(-)	239			
	GRD	VOUT1(-)	240			
	GRD	VOUT1(-)	241			
	GRD	VOUT1(-)	242			

SYMBOL NO. 1 (CONT)

POWER CONVERTER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWRCONV	04-024	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	VOUT1(-)	243			
	GRD	FRGRD	300			
	GRD	FRGRD	301			
	GRD	VOUT1(-)	332			
	GRD	VOUT1(-)	333			
	GRD	VOUT1(-)	334			
	GRD	VOUT1(-)	335			
	GRD	VOUT1(-)	336			
	GRD	VOUT1(-)	337			
	GRD	VOUT1(-)	338			
	GRD	VOUT1(-)	339			
	GRD	VOUT1(-)	340			
	GRD	VOUT1(-)	341			
	GRD	VOUT1(-)	342			
	GRD	VOUT1(-)	343			
NCURPR	I	CP(+)	017		1/2	
DOS+I	I	DOS(+)	015		2/2	
DOS-I	DT	DOS(-)	115		2/2	
RCURPR	I	CP(-)	117		1/2	
RS1	I	RS1	011		2/2	
RS2	I	RS2	110		2/2	
RS3	I	RS3	109		2/2	
RVS	O	SB(+)	118			
	I	SA(+)	018			

SYMBOL NO. 2

CONTROL AND DISPLAY

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPUCD	04-008	SN412	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	SCZ1	014			
	O	SCZ0	015			
	O	SCZR	016			
	O	SCX1	017			
	O	SCX0	018			
	O	SCXR	019			
	O	TSTB	046			
	O	TSTIN	049			
	O	SCZR	055			
	O	SCY1	118			
	O	SCY0	119			
	O	SCYR	120			
	O	TSTA	146			
	O	SCZ3B	155			
	I	DOS0	010			
	I	DOS1	011			
	I	RQIP1	021			
	I	RQIP0	022			
	I	FAS	045			
	I	DOSR	112			
	I	INH	114			

SYMBOL NO. 2 (CONT)

CONTROL AND DISPLAY

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MSPUCD	04-008	SN412	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	FAS	121			
	I	2RTN	149			
-48PWR	PWR	-48	006		TO FUSE PANEL	
	PWR	-48	007			
	PWR	-48	008			
	PWR	-48	106			
	PWR	-48	107			
	PWR	-48	108			
-48RTN	GRD	-48RTN	003		TO FUSE PANEL	
	GRD	-48RTN	004			
	GRD	-48RTN	102			
	GRD	-48RTN	103			
	GRD	-48RTN	104			
ALMC1	O	CARD	123		2/1	
	I	PINT	048		2/2	
ALMC2	I	AD	117		2/1	
					TO FUSE PANEL	
DOS+I	I	DOSCONV	111		2/1	
DOS-I	DT	DOS48P	109		2/1	
DOSR	I	DOSR	051		TO 3B10P	P/DOS3B
DOS3B	I	DOS3B	151		TO 3B10P	P/DOSR
RQIP3B	I	RQIP3B	152		TO 3B10P	P/RQIP3BR
RQIP3BR	I	RQIP3BR	052		TO 3B10P	P/RQIP3B
RS1	O	S1	124		2/1	
RS2	O	S2	122		2/1	
RS3	O	S3	009		2/1	
SCXR	O	SCXR	054		TO 3B10P	P/SCX3B
SCX3B	O	SCX3B	154		TO 3B10P	P/SCXR
SCYR	O	SCYR	053		TO 3B10P	P/SCY3B
SCY3B	O	SCY3B	153		TO 3B10P	P/SCYR

PART OF FS 2

SYMBOL(S) 1 2

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE	ISSUE
C2	4AC

AT&T BELL LABORATORIES | SD-5D136-01 | B#2CA

APP FIG. 1

WIRING AS PER FS 1 & 2.

MESSAGE SWITCH PERIPHERAL UNIT		DWG SIZE A3	ISSUE 1
BELL LABORATORIES	SD-50136-01		C.#P1

APP FIG. 2

CIRCUIT PACK

EQPT LOC	04-008		04-152		EQPT LOC
DESIG	MSPUCD		BTR2		DESIG
CODE	SN412		ED4C222-50,G19		CODE
OPTION					OPTION
ELEM IDENT		CKT		CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		2/2		1/18	A

CONVERTER

OPTION	DESIG	FS/SYM	CODE
	PWRCONV	2/1	495F8

(3) APP FIG. 3

CIRCUIT PACK

EQPT LOC	04-048		04-048		04-056		04-168		EQPT LOC
DESIG	MMP1A		MMP1A		MMP2AA		BTR1		DESIG
CODE	UN170B		UN170		MC5D037A1		ED4C222-30,G18		CODE
OPTION	U		V						OPTION
ELEM IDENT		CKT		CKT		CKT		CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/2		1/2		1/3		1/17	A

APP FIG. 4

CIRCUIT PACK

EQPT LOC	04-064		04-064		04-064		EQPT LOC
DESIG	MSPPAPPC		MSPPAPPC		MSPPAPPC		DESIG
CODE	MC5D066A1B		MC5D066A1		MC5D036A1		CODE
OPTION	R		S		T		OPTION
ELEM IDENT		CKT		CKT		CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/1		1/1		1/1	A

APP FIG. 5

CIRCUIT PACK

EQPT LOC	04-040		EQPT LOC
DESIG	MMP2BA		DESIG
CODE	MC5D037A1		CODE
OPTION			OPTION
ELEM IDENT		CKT	ELEM IDENT

CKT	DESIG	FS/SYM	CKT
A		1/4	A

APP FIG. 6

CIRCUIT PACK

EQPT LOC	04-088		04-096		04-096		EQPT LOC
DESIG	MMP2AB		MMP1B		MMP1B		DESIG
CODE	MC5D037A1		UN170B		UN170		CODE
OPTION			U		V		OPTION
ELEM IDENT		CKT		CKT		CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/7		1/6		1/6	A

APP FIG. 7

CIRCUIT PACK

EQPT LOC	04-080		04-080		04-080		EQPT LOC
DESIG	MSPPBFPC		MSPPBFPC		MSPPBFPC		DESIG
CODE	MC5D066A1B		MC5D066A1		MC5D036A1		CODE
OPTION	R		S		T		OPTION
ELEM IDENT		CKT		CKT		CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/5		1/5		1/5	A

	ISSUE 5B
MESSAGE SWITCH PERIPHERAL UNIT	
AT&T BELL LABORATORIES	SIZE C2
SD-5D136-01-C#2	

APP FIG. 8

CIRCUIT PACK

EQPT LOC	04-104		EQPT LOC
DESIG	MMP28B		DESIG
CODE	MC5D037A1		CODE
OPTION			OPTION
ELEM IDENT	CKT		ELEM IDENT

CKT	DESIG	FS/SYM	CKT
A		1/8	A

APP FIG. 9

CIRCUIT PACK

EQPT LOC	04-120	04-120	04-128	04-136	04-136	04-136	EQPT LOC
DESIG	MMP1C	MMP1C	MMP2AC	MSPPC	MSPPC	MSPPC	DESIG
CODE	UN170B	UN170	MC5D037A1	MC5D066A1B	MC5D066A1	MC5D036A1	CODE
OPTION	U	V		R	S	T	OPTION
ELEM IDENT	CKT	CKT	CKT	CKT	CKT	CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/10		1/10		1/11		1/9		1/9		1/9	A

APP FIG. 10

CIRCUIT PACK

EQPT LOC	04-112	EQPT LOC
DESIG	MMP28C	DESIG
CODE	MC5D037A1	CODE
OPTION		OPTION
ELEM IDENT	CKT	ELEM IDENT

CKT	DESIG	FS/SYM	CKT
A		1/12	A

APP FIG. 11

CIRCUIT PACK

EQPT LOC	04-152	04-152	04-152	04-160	04-168	04-168	EQPT LOC
DESIG	MSPPD	MSPPD	MSPPD	MMP2AD	MMP1D	MMP1D	DESIG
CODE	MC5D066A1B	MC5D066A1	MC5D036A1	MC5D037A1	UN170B	UN170	CODE
OPTION	R	S	T		U	V	OPTION
ELEM IDENT	CKT	CKT	CKT	CKT	CKT	CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/13		1/13		1/13		1/15		1/14		1/16	A

APP FIG. 12

CIRCUIT PACK

EQPT LOC	04-176	EQPT LOC
DESIG	MMP28D	DESIG
CODE	MC5D037A1	CODE
OPTION		OPTION
ELEM IDENT	CKT	ELEM IDENT

CKT	DESIG	FS/SYM	CKT
A		1/16	A

(13) APP FIG. 13

CIRCUIT PACK

EQPT LOC	04-056	04-088	EQPT LOC
DESIG	PPC	FPC4	DESIG
CODE	MC5D041A1	MC5D039A1	CODE
OPTION			OPTION
ELEM IDENT	CKT	CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/3		1/7	A

(14) APP FIG. 14

CIRCUIT PACK

EQPT LOC	04-128	04-136	[illegible]	EQPT LOC
DESIG	ACMPR	ACMP	ACMP.2	DESIG
CODE	TN1369	TN1369	TN1800	CODE
OPTION		M	N	OPTION
ELEM IDENT	CKT	CKT	CKT	ELEM IDENT

CKT	DESIG	FS/SYM	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		1/11		1/9	A	1/9	A

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE 6S

ISSUE 8B

AT&T

SD-5D136-01

C3

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
MSPU	SEE NOTE 104	-48V	UNIT

BATTERY SYMBOL	VOLTAGE RANGE
-48	-47.75 TO 52.5

102. (REFER TO NOTE 201)

103. EQUIPMENT LOCATIONS 04-072 AND 04-144 ARE WIRED FOR TEST CIRCUIT PACKS WHICH ARE FOR BTL APPLICATION ONLY.

104. CURRENT RATING OF MSPU FUSE.
FOR SMs 1-24 (1-3 MMPs) -5A
FOR SMs 25-32 (4 MMPs) - 8A

EQUIPMENT NOTES:

201. UNLESS OTHERWISE SPECIFIED ALL BACKPLANE WIRING WILL BE AUTOMATIC MACHINE WIRED (A-D4) 30 GAUGE, WHICH HAS BEEN PROCESSED BY WESWRAP PROGRAMS.

202. ALL PRINTED WIRE CONNECTIONS ARE SPECIFIED BY ED5D153-30.

MESSAGE SWITCH PERIPHERIAL UNIT

DWG SIZE 6S

ISSUE 7AC

AT&T SD-50136-01 D1

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS
VALUES PRECEDED BY THE SYMBOL + (PLUS) AND - (MINUS) ARE IN VOLTS.
OPTION Y WIRING PROVIDES LOWER NOISE LEVELS ON NETS DMARDO AND DMAWTO BY REPLACING D4 WIRING WITH TS WIRING. EITHER CONDITION MAY EXIST IN FIELD UNITS.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY
WIRING, EQUIPMENT FOR ONE MESSAGE SWITCH PERIPHERAL UNIT EQIPPED WITH POWER UNIT AND A CONTROL AND DISPLAY PACK.	1.2		1 PER UNIT
APPARATUS REQUIRED IN ADDITION APP FIG. 1 TO PROVIDE MODULE MESSAGE PROCESSOR CIRCUIT PACKS FOR 4 INTERFACE MODULES. NOT TO BE EQUIPPED IN SAME UNIT AS APP FIG. 13.			
MODULES 1-4	3,4		1 PER UNIT
MODULES 5-8	5		1 PER APP FIG.3
MODULES 9-12	6,7		1 PER APP FIG.5
MODULES 13-16	8		1 PER APP FIG.6
MODULES 17-20	9		1 PER APP FIG.8
MODULES 21-24	10		1 PER APP FIG.9
MODULES 25-28	11		1 PER APP FIG.10
MODULES 29-32	12		1 PER APP FIG.11
APPARATUS TO PROVIDE FOUNDATION PERIPHERAL CONTROLLERS AND FAST PUMP CAPABILITIES FOR MULTI-MODULE OFFICES ONLY. NOT TO BE EQUIPPED IN SAME UNIT AS APP FIGS. 3.5.6.8. 9.10.11. OR 12.	4,7, 13		1 PER UNIT
APPARATUS REQUIRED FOR RSM OFFICES AND OPTIONAL FOR ALL OTHER APPLI-CATIONS IN PLACE OF OPTION Z. (UN170B)	3.6. 9.11	U	1 PER APP FIG. 3.6.9. OR 11
APPARATUS REQUIRED FOR 5E1-(2) RELEASE 2 PLUS OFFICE. (MC5D066A1B)	4,7, 9.11	R	1 PER APP FIG. 4.7.9.11
OPTIONAL APPARATUS USED IN PLACE OF OPTION Y IN NON RSM OFFICES (UN179).	3.6. 9.11	V	1 PER APP FIG. 3.6.9. OR 11
APPARATUS REQUIRED FOR 5E1-(2) RELEASE 1 OFFICE. (MC5D036A1)	4,7, 9.11	T	1 PER APP FIG. 4.7.9.11
APPARATUS REQUIRED FOR 5E1-(2) RELEASE 2 PLUS OFFICE. (MCD066A1)	4,7, 9.11	S	1 PER APP FIG. 4.7.9.11
APPARATUS REQUIRED IN 5E6 TO PROVIDE CMP APPLICATION.	14	M	1 PER APP FIG. 14
	1	Q	
APPARATUS REQUIRED FOR 5E9 OR LATER TO PROVIDE CMP WITH 20 MBYTE MEMORY.	14	N	1 PER APP FIG. 14

INFORMATION NOTES: (CONT)

303.

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORD DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A&M	MD
3D	U	V	302	U	V	
4AC	Y	Z	311	Y		Z
4AC	S	T	302	S	T	
5B	R	S OR T	302	R	S & T	
6B	P OR Q	P	302	Q		P
				AVAIL	DA	
8B *	M OR N	M		M,N		

* PRIOR TO ISSUE 8B, COLUMNS HEADED "STD", "MD", ETC., CONVEYED APPLICATION INFORMATION. AT ISSUE 8B, COLUMNS HEADED "AVAIL" AND "DA" NOW INDICATE THE AVAILABILITY OF THE PRODUCT.

304.

CIRCUIT PACK CODE OR MICROCODE	COMMON LANGUAGE EQUIPMENT IDENTIFICATION CODE (CLEI)
MC5D036A1	E5MQ34CAXX
MC5D037A1(TN858)	E5MQ34FAXX
MC5D039A1(UN173)	E5MQ34HAXX
MC5D041A1 (TN886)	E5MQ34KAXX
MC5D066A1	E5MQ37KAXX
MC5D066A1B	E5NQ40BAXX
SN412	E5PQ06CAXX
UN170	E5MQ34GAXX
UN170B	E5MQ32AAXX
495FB	PWPQ54EAXX
TN1369	E5PQ88DAXX
TN1368	E5MQ932AXX
TN1800	E5PQABMAAB

305. APP FIGURE 13 WILL NEVER BE EQUIPPED IN THE SAME UNIT WITH APP FIGURE 3.

306. SD-5D136-01 THE MESSAGE SWITCH PROCESSOR UNIT (MSPU) WAS DESIGNED AS A MULTIUSE UNIT. CIRCUIT PACK POPULATION WILL VARY DEPENDING UPON UNIT FUNCTION.

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: 8S

ISSUE: 8B

AT&T | SD-5D136-01 | SHEET D2

INFORMATION NOTES: (CONT)

307. THE FOLLOWING CHART PROVIDES CIRCUIT PACK POPULATING SEQUENCE FOR MODULE MESSAGE PROCESSOR (MMP) GROWTH.

IM'S SERVICED	SN412	495FB	VACANT	MC5D 037A1 TN858	MC5D 038A1 UN170 (UN170B)	MC5D 037A1 TN858	MC5D066 (A1,A1B) (MC5D 036A1) TN856	TEST ACCESS	MC5D066 (A1,A1B) (MC5D 036A1) TN856	MC5D 037A1 TN858	MC5D 038A1 UN170 (UN170B)	MC5D 037A1 TN858	MC5D 037A1 TN858	MC5D 038A1 UN170 (UN170B)	MC5D 037A1 TN858	MC5D066 (A1,A1B) (MC5D 036A1) TN856	TEST ACCESS	MC5D066 (A1,A1B) (MC5D 036A1) TN856	MC5D 037A1 TN858	MC5D 038A1 UN170 (UN170B)	MC5D 037A1 TN858
1-4																					
5-8																					
9-12																					
13-16																					
17-20																					
21-24																					
25-28																					
29-32																					
	008	024	032	040	048	056	064	072	080	088	096	104	112	120	128	136	144	152	160	160	176

308. A MESSAGE SWITCH PROCESSOR UNIT HOUSING FOR THE FOUNDATION PERIPHERAL CONTROLLER AND PUMP PERIPHERAL CONTROLLER UNITS SHOWING OPTIONAL COMMUNICATION MODULE PROCESSOR (CMP) EQUIPPAGE.

SN412	495FB		MC5D 041A1 TN886	MC5D066 (A1,A1B) (MC5D 036A1) TN856	VACANT	MC5D066 (A1,A1B) (MC5D 036A1) TN856	MC5D 039A1 UN173		TN1369	TN1368 (M) TN1800 (N)
			PUMP PERIPHERAL CONTROLLER UNIT			FOUNDATION PERIPHERAL CONTROLLER UNIT			COMMUNICATION MODULE PROCESSOR UNIT APP FIG. 14	
008	024		056	064		080	088		128	136

309. TWO OR MORE SIGNAL NETS ARE PAIRED WITH THIS NET.

INFORMATION NOTES: (CONT)

310. OFFICES HOSTING RSM'S MUST BE EQUIPPED WITH UN170B CIRCUIT PACKS IN ALL EQUIPPED MMP'S. ALL OTHER APPLICATIONS CAN UTILIZE EITHER UN170 OR UN170B. FOR NON RSM APPLICATIONS, UN170 AND UN170B ARE INTERCHANGEABLE AND MAY BE EQUIPPED IN COMBINATION WITH EACH OTHER WITHIN THE SAME MSPU.

311. WIRING OPTION Z FOR NETS DMARDO AND DMAWTO IS 30 GAUGE WIRE, OPTION Y FOR SAME NETS PROVIDE 30 GAUGE TWISTED WIRE WITH GROUNDS GRDDMARO AND GRDDMAWO RESPECTIVELY.

312. ANY NET NAMED GRD(UNIT EQL) CAN BE CONSIDERED COMMON.

313. THE MC5D066A1 AND MC5D066A1B ARE GENERICALLY EQUIVALENT. OFFICES WHICH ARE RUNNING ON THE MC5D066A1 NEED NOT REPLACE THEM WITH THE MC5D066A1B. THESE TWO MICROCODES MAY BE MIXED WITHIN A SYSTEM OR UNIT.

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE 6S

ISSUE 8B

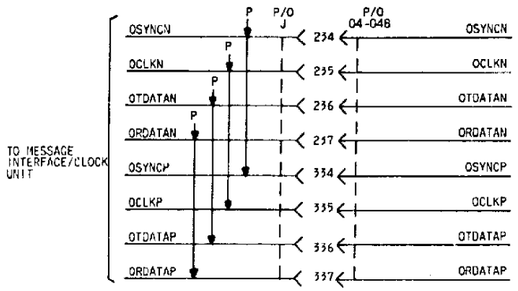
AT&T SD-5D136-01

SHEET D3

NOTES:

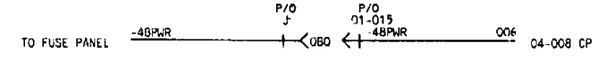
1. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR PRESENTATION.

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-048	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	OSYNCN		P000	234	OSYNCN				
	OCLKN		P001	235	OCLKN				
	OTDATAN		P002	236	OTDATAN				
	ORDATAN		P003	237	ORDATAN				
	OSYNCP		P000	334	SYNCP				
	OCLKP		P001	335	OCLKP				
	OTDATAP		P002	336	OTDATAP				
	ORDATAP		P003	337	ORDATAP				



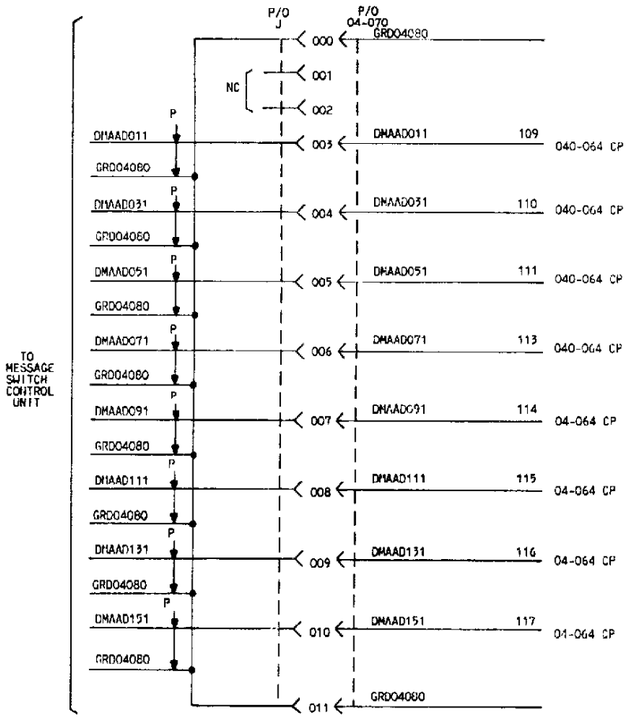
2. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR PRESENTATION.

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				01-015	LUG	.....			
TO FUSE PANEL	-48PWR			080	-48PWR	04-008 CP	006		



3. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR PRESENTATION.

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-070	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04080		PA	000	GRD04080				
	NC			001					
	NC			002					
TO MESSAGE SWITCH CONTROL UNIT	DMAAD011		PA00	003	DMAAD011	04-064	CP	109	
	DMAAD031		PA01	004	DMAAD031	04-064	CP	110	
	DMAAD051		PA02	005	DMAAD051	04-064	CP	111	
	DMAAD071		PA03	006	DMAAD071	04-064	CP	113	
	DMAAD091		PA04	007	DMAAD091	04-064	CP	114	
	DMAAD111		PA05	008	DMAAD111	04-064	CP	115	
	DMAAD131		PA06	009	DMAAD131	04-064	CP	116	
	DMAAD151		PA07	010	DMAAD151	04-064	CP	117	
	GRD04080		PA	011	GRD04080				



SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE: B6	ISSUE: 3D
AT&T BELL LABORATORIES	SD-5D136-01	GBI

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER
A
MESSAGE INTERFACE BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
POCLKN	O	04-056-235	04-056-235	1/3	
POCLKP	O	04-056-335	04-056-335	1/3	
PORDATAN	I	04-056-237	04-056-237	1/3	
PORDATAP	I	04-056-337	04-056-337	1/3	
POSYNCN	O	04-056-234	04-056-234	1/3	
POSYNCP	O	04-056-334	04-056-334	1/3	
POTDATAN	O	04-056-236	04-056-236	1/3	
POTDATAP	O	04-056-336	04-056-336	1/3	
P1CLKN	I	04-056-240	04-056-240	1/3	
P1CLKP	I	04-056-340	04-056-340	1/3	
P1RDATAN	I	04-056-242	04-056-242	1/3	
P1RDATAP	I	04-056-342	04-056-342	1/3	
P1SYNCN	I	04-056-239	04-056-239	1/3	
P1SYNCP	I	04-056-339	04-056-339	1/3	
P1TDATAN	O	04-056-241	04-056-241	1/3	
P1TDATAP	O	04-056-341	04-056-341	1/3	
0CLKN	I	04-048-235	04-048-235	1/2	
0CLKP	I	04-048-335	04-048-335	1/2	
0RDATAN	I	04-048-237	04-048-237	1/2	
0RDATAP	I	04-048-337	04-048-337	1/2	
0SYNCN	I	04-048-234	04-048-234	1/2	
0SYNCP	I	04-048-334	04-048-334	1/2	
0TDATAN	O	04-048-236	04-048-236	1/2	
0TDATAP	O	04-048-336	04-048-336	1/2	
1CLKN	I	04-048-240	04-048-240	1/2	
1CLKP	I	04-048-340	04-048-340	1/2	
1RDATAN	I	04-048-242	04-048-242	1/2	
1RDATAP	I	04-048-342	04-048-342	1/2	
1SYNCN	I	04-048-239	04-048-239	1/2	
1SYNCP	I	04-048-339	04-048-339	1/2	
1TDATAN	O	04-048-241	04-048-241	1/2	
1TDATAP	O	04-048-341	04-048-341	1/2	

ELEMENT IDENTIFIER
B
I/O MESSAGE INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
+5PHR01	I	04-062-006	04-064-323	1/1	
ACSA0	O	04-062-016	04-064-202	1/1	
AERR0	O	04-062-007	04-064-102	1/1	
AINTR0	O	04-071-022	04-064-302	1/1	
APCSEL0	I	04-063-003	04-064-305	1/1	
ASR0	O	04-063-022	04-064-002	1/1	
BCSA0	O	04-062-017	04-080-202	1/5	
BERR0	O	04-062-005	04-080-102	1/5	
BINTR0	O	04-070-022	04-080-302	1/5	
BPCSEL0	I	04-063-004	04-080-305	1/5	
BSR0	O	04-062-022	04-080-002	1/5	
CCSA0	O	04-062-018	04-136-202	1/9	
CERR0	O	04-062-009	04-136-102	1/9	
CINTR0	O	04-071-023	04-136-302	1/9	
CMDINT0	I	04-063-020	04-064-303	1/1	
CPCSEL0	I	04-063-005	04-136-305	1/9	
CSR0	O	04-063-023	04-136-002	1/9	
DCSA0	O	04-062-019	04-152-202	1/13	
DERR0	O	04-062-010	04-152-102	1/13	
DINTR0	O	04-070-023	04-152-302	1/13	
DMAADD01	I	04-071-003	04-064-009	1/1	
DMAAD011	I	04-070-003	04-064-109	1/1	
DMAAD021	I	04-071-004	04-064-010	1/1	

ELEMENT IDENTIFIER (CONT)
B
I/O MESSAGE INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
DMAAD031	I	04-070-004	04-064-110	1/1	
DMAAD041	I	04-071-005	04 064-011	1/1	
DMAAD051	I	04-070-005	04-064-111	1/1	
DMAAD061	I	04-071-006	04-064-013	1/1	
DMAAD071	I	04-070-006	04-064-113	1/1	
DMAAD081	I	04-071-007	04-064-014	1/1	
DMAAD091	I	04-070-007	04-064-114	1/1	
DMAAD101	I	04-071-008	04-064-015	1/1	
DMAAD111	I	04-070-008	04-064-115	1/1	
DMAAD121	I	04-071-009	04-064-016	1/1	
DMAAD131	I	04-070-009	04-064-116	1/1	
DMAAD141	I	04-071-010	04-064-017	1/1	
DMAAD151	I	04-070-010	04-064-117	1/1	
DMADAP1	IO	04-071-020	04-064-205	1/1	
DMADA001	IO	04-071-016	04-064-005	1/1	
DMADA011	IO	04-070-016	04-064-105	1/1	
DMADA021	IO	04-071-017	04-064-006	1/1	
DMADA031	IO	04-070-017	04-064-106	1/1	
DMADA041	IO	04-071-018	04-064-007	1/1	
DMADA051	IO	04-070-018	04-064-107	1/1	
DMADA061	IO	04-071-019	04-064-008	1/1	
DMADA071	IO	04-070-019	04-064-108	1/1	
DMADPC0	I	04-063-018	04-064-104	1/1	
DMARD0	I	04-063-017	04-064-204	1/1	(Y,Z)
DMARE00	I	04-063-019	04-064-004	1/1	
DMAWT0	I	04-063-016	04-064-304	1/1	(Y,Z)
DPCSEL0	I	04-063-006	04-152-305	1/13	
DSR0	O	04-062-023	04-152-002	1/13	
GRDDMAR0	G	04-063-013	04-064-201	1/1	(Y)
GRD04064	I	04-062-024	04-064-224	1/1	
GRD04064	I	04-063-024	04-064-224	1/1	
GRD04064	I	04-062-000	04-064-224	1/1	
GRD04064	I	04-062-011	04-064-224	1/1	
GRD04064	I	04-063-000	04-064-224	1/1	
GRD04064	I	04-063-011	04-064-224	1/1	
GRD04064	I	04-062-013	04-064-224	1/1	
GRD04080	I	04-071-000	04-080-324	1/5	
GRD04080	I	04-070-000	04-080-324	1/5	
GRD04080	I	04-071-024	04-080-324	1/5	
GRD04080	I	04-071-011	04-080-324	1/5	
GRD04080	I	04-070-013	04-080-324	1/5	
GRD04080	I	04-070-024	04-080-324	1/5	
GRD04080	I	04-071-013	04-080-324	1/5	
GRD04080	I	04-070-011	04-080-324	1/5	
INITPC0	I	04-062-020	04-064-203	1/1	
RISOL0	I	04-063-021	04-064-103	1/1	
SISOL0	I	04-062-021	04-064-003	1/1	

ELEMENT IDENTIFIER
C
CONTROL AND DIAGNOSTIC ACCESS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
0ACCDALR	O	04-088-423	04-088-423	1/7	
0ACTCDAL	O	04-088-523	04-088-523	1/7	
0DATVAL0	O	04-088-417	04 088-417	1/7	
0DATVAL1	O	04-088-517	04-088-517	1/7	
0LIINT10	I	04-088-521	04-088-521	1/7	
0LIINT11	I	04-088-421	04-088-421	1/7	
0LISEL0	O	04-088-415	04-088-415	1/7	
0LISEL1	O	04-088-515	04-088-515	1/7	
0MIINT10	I	04-088-533	04-088-533	1/7	
0MIINT11	I	04-088-433	04-088-433	1/7	
0MISEL0	O	04-088-535	04-088-535	1/7	
0MISEL1	O	04-088-435	04-088-435	1/7	
0NCKIT10	I	04-088-520	04-088-520	1/7	
0NCKIT11	I	04-088-420	04-088-420	1/7	
0NCKSEL0	O	04-088-414	04-088-414	1/7	
0NCKSEL1	O	04-088-514	04-088-514	1/7	
0RCVDAT0	I	04-088-418	04-088-418	1/7	
0RCVDAT1	I	04-088-518	04-088-518	1/7	
0SACDALR	I	04-088-422	04-088-422	1/7	
0STACDAL	I	04-088-522	04-088-522	1/7	
0TMSIT10	I	04-088-534	04-088-534	1/7	
0TMSIT11	I	04-088-434	04-088-434	1/7	
0TMSRDY0	I	04-088-437	04-088-437	1/7	
0TMSRDY1	I	04-088-537	04-088-537	1/7	
0TMSRST0	O	04-088-532	04-088-532	1/7	
0TMSRST1	O	04-088-432	04-088-432	1/7	
0TMSSLL0	O	04-088-536	04-088-536	1/7	
0TMSSEL1	O	04-088-436	04-088-436	1/7	
0TMSSR0	I	04-088-524	04-088-524	1/7	
0TMSSR1	I	04-088-424	04-088-424	1/7	
0TRCLK0	O	04-088-416	04-088-416	1/7	
0TRCLK1	O	04-088-516	04-088-516	1/7	
0TRMDAT0	O	04-088-419	04-088-419	1/7	
0TRMDAT1	O	04-088-519	04-088-519	1/7	
1ACCDALR	O	04-088-455	04-088-455	1/7	
1ACTCDAL	O	04-088-555	04-088-555	1/7	
1DATVAL0	O	04-088-449	04-088-449	1/7	
1DATVAL1	O	04-088-549	04-088-549	1/7	
1LIINT10	I	04-088-553	04-088-553	1/7	
1LIINT11	I	04-088-453	04-088-453	1/7	
1LISEL0	O	04-088-447	04-088-447	1/7	
1LISEL1	O	04-088-547	04-088-547	1/7	
1MIINT10	I	04-088-539	04-088-539	1/7	
1MIINT11	I	04-088-439	04-088-439	1/7	
1MISEL0	O	04-088-541	04-088-541	1/7	
1MISEL1	O	04-088-441	04-088-441	1/7	
1NCKIT10	I	04-088-552	04-088-552	1/7	
1NCKIT11	I	04-088-452	04-088-452	1/7	
1NCKSEL0	O	04-088-446	04-088-446	1/7	
1NCKSEL1	O	04-088-546	04-088-546	1/7	
1RCVDAT0	I	04-088-450	04-088-450	1/7	
1RCVDAT1	I	04-088-550	04-088-550	1/7	
1SACDALR	I	04-088-454	04-088-454	1/7	
1STACDAL	I	04-088-554	04-088-554	1/7	
1TMSIT10	I	04-088-540	04-088-540	1/7	
1TMSIT11	I	04-088-440	04-088-440	1/7	
1TMSRDY0	I	04-088-443	04-088-443	1/7	
1TMSRDY1	I	04-088-543	04-088-543	1/7	
1TMSRST0	O	04-088-538	04-088-538	1/7	
1TMSRST1	O	04-088-438	04-088-438	1/7	
1TMSSEL0	O	04-088-542	04-088-542	1/7	
1TMSSEL1	O	04-088-442	04-088-442	1/7	
1TMSSR0	I	04-088-556	04-088-556	1/7	
1TMSSR1	I	04-088-456	04-088-456	1/7	
1TRCLK0	O	04-088-448	04-088-448	1/7	
1TRCLK1	O	04-088-548	04-088-548	1/7	

ELEMENT IDENTIFIER (CONT)
C
CONTROL AND DIAGNOSTIC ACCESS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
1TRMDAT0	O	04-088-451	04-088-451	1/7	
1TRMDAT1	O	04-088-551	04-088-551	1/7	

ELEMENT IDENTIFIER
D
POWER

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
-48PWR	P	01-015-0B0	04-008-006	2/2	
-48RTN	G	01-018-0B0	04-008-003	2/2	
ALMC2	I	04-008-145	04-008-117	2/2	
OOSR	I	04-008-051	04-008-051	2/2	
OOSR	I	04-008-038	04-008-051	2/2	
OOS3B	I	04-008-151	04-008-151	2/2	
OOS3B	I	04-008-138	04-008-151	2/2	
ROIP3B	I	04-008-152	04-008-152	2/2	
ROIP3B	I	04-008-139	04-008-152	2/2	
ROIP3BR	I	04-008-039	04-008-052	2/2	
ROIP3BR	I	04-008-052	04-008-052	2/2	
SCXR	O	04-008-054	04-008-054	2/2	
SCXR	O	04-008-041	04-008-054	2/2	
SCX3B	O	04-008-141	04-008-154	2/2	
SCX3B	O	04-008-154	04-008-154	2/2	
SCYR	O	04-008-053	04-008-053	2/2	
SCYR	O	04-008-040	04-008-053	2/2	
SCY3B	O	04-008-140	04-008-153	2/2	
SCY3B	O	04-008-153	04-008-153	2/2	

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: C2
ISSUE: 4AC

AT&T BELL LABORATORIES
SD-5D136-01
GBZ

CAD 002

MESSAGE INTERFACE BUS SIDE 0

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-048	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	OSYNCN		P000	234	OSYNCN				
	OCLKN		P001	235	OCLKN				
	OTDATAN		P002	236	OTDATAN				
	ORDATAN		P003	237	ORDATAN				
	OSYNCP		P000	334	OSYNCP				
	OCLKP		P001	335	OCLKP				
	OTDATAP		P002	336	OTDATAP				
	ORDATAP		P003	337	ORDATAP				
.....J				04-056	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	POSYNCN		P004	234	POSYNCN				
	POCLKN		P005	235	POCLKN				
	POTDATAN		P006	236	POTDATAN				
	PORDATAN		P007	237	PORDATAN				
	POSYNCP		P004	334	POSYNCP				
	POCLKP		P005	335	POCLKP				
	POTDATAP		P006	336	POTDATAP				
	PORDATAP		P007	337	PORDATAP				

CAD 003

MESSAGE INTERFACE BUS SIDE 1

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-048	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	1SYNCN		P000	239	1SYNCN				
	1CLKN		P001	240	1CLKN				
	1TDATAN		P002	241	1TDATAN				
	1RDATAN		P003	242	1RDATAN				
	1SYNCP		P000	339	1SYNCP				
	1CLKP		P001	340	1CLKP				
	1TDATAP		P002	341	1TDATAP				
	1RDATAP		P003	342	1RDATAP				
.....J				04-056	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	P1SYNCN		P004	239	P1SYNCN				
	P1CLKN		P005	240	P1CLKN				
	P1TDATAN		P006	241	P1TDATAN				
	P1RDATAN		P007	242	P1RDATAN				
	P1SYNCP		P004	339	P1SYNCP				
	P1CLKP		P005	340	P1CLKP				
	P1TDATAP		P006	341	P1TDATAP				
	P1RDATAP		P007	342	P1RDATAP				

CAD 004

I/O MESSAGE INTERFACE, SERVICE

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-062	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04064		PA	000	GRD04064				
	NC			001					
	NC			002					
	NC			003					
	NC			004					
	NC			005					
TO MESSAGE SWITCH CONTROL	+5PWR01		PA00	006	+5PWR01	04-064	CP	323	
	AERR0		PA01	007	AERR0	04-064	CP	102	

CAD 004

(CONT'D)

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-062 (CONT'D)	JACK/TF	.....			
UNIT	BERR0		PA02	008	BERR0	04-080	CP 102		
	CERR0		PA03	009	CERR0	04-136	CP 102		
	DERR0		PA04	010	DERR0	04-152	CP 102		
	GRD04064		PA	011	GRD04064				
.....J				04-063	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04064		PB	000	GRD04064				
	NC			001	GRDDMAW0	04-064	CP 301	(Y)	
	NC			002					
TO MESSAGE SWITCH CONTROL UNIT	APCSEL0		PB00	003	APCSEL0	04-064	CP 305		
	BPCSEL0		PB01	004	BPCSEL0	04-080	CP 305		
	CPCSEL0		PB02	005	CPCSEL0	04-136	CP 305		
	DPCSEL0		PB03	006	DPCSEL0	04-152	CP 305		
	NC			007					
	NC			008					
	NC			009					
	NC			010					
TO MESSAGE SWITCH CONTROL UNIT	GRD04064		PB	011	GRD04064				

CAD 005

I/O MESSAGE INTERFACE, CONTROL

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-062	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04064		PA	013	GRD04064				
	NC			014					
	NC			015					
TO MESSAGE SWITCH CONTROL UNIT	ACSA0		PA00	016	ACSA0	04-064	CP 202		
	BCSA0		PA01	017	BCSA0	04-080	CP 202		
	CCSA0		PA02	018	CCSA0	04-136	CP 202		
	DCSA0		PA03	019	DCSA0	04-152	CP 202		
	INITPC0		PA04	020	INITPC0	04-064	CP 203		
	SISOL0		PA05	021	SISOL0	04-064	CP 003		
	BSR0		PA06	022	BSR0	04-080	CP 002		
	DSR0		PA07	023	DSR0	04-152	CP 002		
	GRD04064		PA	024	GRD04064				
.....J				04-063	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRDDMAR0		PB	013	GRDDMAR0	04-064	CP 201	(Y)	
	NC			014					
	NC			015					
TO MESSAGE SWITCH CONTROL UNIT	DMAWT0		PB00	016	DMAWT0	04-064	CP 304	(Y,Z)	
	DMARD0		PB01	017	DMARD0	04-064	CP 204	(Y,Z)	
	DMAOPE0		PB02	018	DMAOPE0	04-064	CP 104		
	DMAREQ0		PB03	019	DMAREQ0	04-064	CP 004		
	CMDINT0		PB04	020	CMDINT0	04-064	CP 303		
	RISOL0		PB05	021	RISOL0	04-064	CP 103		
	ASR0		PB06	022	ASR0	04-064	CP 002		
	CSR0		PB07	023	CSR0	04-136	CP 002		
	GRD04064		PB	024	GRD04064				

CAD 006

I/O MESSAGE INTERFACE, ADDRESS

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-070	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04080		PA	000	GRD04080				
	NC			001					
	NC			002					
TO MESSAGE SWITCH CONTROL UNIT	DMAAD011		PA00	003	DMAAD011	04-064	CP 109		
	DMAAD031		PA01	004	DMAAD031	04-064	CP 110		
	DMAAD051		PA02	005	DMAAD051	04-064	CP 111		
	DMAAD071		PA03	006	DMAAD071	04-064	CP 113		
	DMAAD091		PA04	007	DMAAD091	04-064	CP 114		
	DMAAD111		PA05	008	DMAAD111	04-064	CP 115		
	DMAAD131		PA06	009	DMAAD131	04-064	CP 116		
	DMAAD151		PA07	010	DMAAD151	04-064	CP 117		
	GRD04080		PA	011	GRD04080				
.....J				04-071	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04080		PB	000	GRD04080				
	NC			001					
	NC			002					
TO MESSAGE SWITCH CONTROL UNIT	DMAAD001		PB00	003	DMAAD001	04-064	CP 009		
	DMAAD021		PB01	004	DMAAD021	04-064	CP 010		
	DMAAD041		PB02	005	DMAAD041	04-064	CP 011		
	DMAAD061		PB03	006	DMAAD061	04-064	CP 013		
	DMAAD081		PB04	007	DMAAD081	04-064	CP 014		
	DMAAD101		PB05	008	DMAAD101	04-064	CP 015		
	DMAAD121		PB06	009	DMAAD121	04-064	CP 016		
	DMAAD141		PB07	010	DMAAD141	04-064	CP 017		
	GRD04080		PB	011	GRD04080				

CAD 007

I/O MESSAGE INTERFACE, DATA

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-070	JACK/TF	.....			
TO MESSAGE SWITCH CONTROL UNIT	GRD04080		PA	013	GRD04080				
	NC			014					
	NC			015					
TO MESSAGE SWITCH CONTROL UNIT	DMADA011		PA00	016	DMADA011	04-064	CP 105		
	DMADA031		PA01	017	DMADA031	04-064	CP 106		
	DMADA051		PA02	018	DMADA051	04-064	CP 107		
	DMADA071		PA03	019	DMADA071	04-064	CP 108		
	NC			020					
	NC			021					
TO MESSAGE SWITCH CONTROL UNIT	BINTR0		PA04	022	BINTR0	04-080	CP 302		
	DINTR0		PA05	023	DINTR0	04-152	CP 302		
	GRD04080		PA	024	GRD04080				

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: C2 | ISSUE: 3D

AT&T BELL LABORATORIES | SD-5D136-01 | SB3

CAD 007
(CONT'D)

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-071	JACK/TF	.....			
	NC			013					
TO MESSAGE SWITCH CONTROL UNIT	GRD04080		PB	013	GRD04080				
	NC			014					
	NC			015					
TO MESSAGE SWITCH CONTROL UNIT	DMADA001		PB00	016	DMADA001	04-064	CP	005	
	DMADA021		PB01	017	DMADA021	04-064	CP	006	
	DMADA041		PB02	018	DMADA041	04-064	CP	007	
|	DMADA061		PB03	019	DMADA061	04-064	CP	008	
|	DMADAP1		PB04	020	DMADAP1	04-064	CP	205	
	NC			021					
TO MESSAGE SWITCH CONTROL UNIT	AINTR0		PB05	022	AINTR0	04-064	CP	302	
	CINTR0		PB06	023	CINTR0	04-136	CP	302	
	GRD04080		PB	024	GRD04080				

CAD 008
CONTROL AND DIAGNOSTIC ACCESS SIDE 0, LINK A

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-088	JACK/CP	.....			
	NC			413					
TO MESSAGE INTERFACE/CLOCK UNIT	ONCKSEL0		P000	414	ONCKSEL0				
	OLISEL0		P001	415	OLISEL0				
	OTRCLK0		P002	416	OTRCLK0				
|	ODATVAL0		P003	417	ODATVAL0				
|	ORCVDAT0		P004	418	ORCVDAT0				
|	OTRMDAT0		P005	419	OTRMDAT0				
|	ONCKIT11		P006	420	ONCKIT11				
|	OLIINT11		P007	421	OLIINT11				
|	OSACDALR		P008	422	OSACDALR				
|	OACCDALR		P009	423	OACCDALR				
|	OTMSSR1		P010	424	OTMSSR1				
	NC			513					
TO MESSAGE INTERFACE/CLOCK UNIT	ONCKSEL1		P000	514	ONCKSEL1				
	OLISEL1		P001	515	OLISEL1				
	OTRCLK1		P002	516	OTRCLK1				
|	ODATVAL1		P003	517	ODATVAL1				
|	ORCVDAT1		P004	518	ORCVDAT1				
|	OTRMDAT1		P005	519	OTRMDAT1				
|	ONCKIT10		P006	520	ONCKIT10				
|	OLIINT10		P007	521	OLIINT10				
|	OSTACDAL		P008	522	OSTACDAL				
|	OACTCDAL		P009	523	OACTCDAL				
|	OTMSSR0		P010	524	OTMSSR0				

CAD 009
CONTROL AND DIAGNOSTIC ACCESS SIDE 0, LINK B

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-088	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	OTMSRST1		P000	432	OTMSRST1				
	OMIINT11		P001	433	OTMIINT11				
	OTMSIT11		P002	434	OTMSIT11				
|	OMISEL1		P003	435	OMISEL1				
|	OTMSSEL1		P004	436	OTMSSEL1				
|	OTMSRDY0		P005	437	OTMSRDY0				
|	OTMSRST0		P000	532	OTMSRST0				
|	OMIINT10		P001	533	OMIINT10				
|	OTMSIT10		P002	534	OTMSIT10				
|	OMISEL0		P003	535	OMISEL0				
|	OTMSSEL0		P004	536	OTMSSEL0				
|	OTMSRDY1		P005	537	OTMSRDY1				

CAD 010
CONTROL AND DIAGNOSTIC ACCESS SIDE 1, LINK A

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-088	JACK/CP	.....			
	NC			445					
TO MESSAGE INTERFACE/CLOCK UNIT	1NCKSEL0		P000	446	1NCKSEL0				
	1LISEL0		P001	447	1LISEL0				
	1TRCLK0		P002	448	1TRCLK0				
|	1DATVAL0		P003	449	1DATVAL0				
|	1RCVDAT0		P004	450	1RCVDAT0				
|	1TRMDAT0		P005	451	1TRMDAT0				
|	1NCKIT11		P006	452	1NCKIT11				
|	1LIINT11		P007	453	1LIINT11				
|	1SACDALR		P008	454	1SACDALR				
|	1ACCDALR		P009	455	1ACCDALR				
|	1TMSSR1		P010	456	1TMSSR1				
	NC			545					
TO MESSAGE INTERFACE/CLOCK UNIT	1NCKSEL1		P000	546	1NCKSEL1				
	1LISEL1		P001	547	1LISEL1				
	1TRCLK1		P002	548	1TRCLK1				
|	1DATVAL1		P003	549	1DATVAL1				
|	1RCVDAT1		P004	550	1RCVDAT1				
|	1TRMDAT1		P005	551	1TRMDAT1				
|	1NCKIT10		P006	552	1NCKIT10				
|	1LIINT10		P007	553	1LIINT10				
|	1STACDAL		P008	554	1STACDAL				
|	1ACTCDAL		P009	555	1ACTCDAL				
|	1TMSSR0		P010	556	1TMSSR0				

CAD 011
CONTROL AND DIAGNOSTIC ACCESS SIDE 1, LINK B

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-088	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	1TMSRST1		P000	438	1TMSRST1				
	1MIINT11		P001	439	1MIINT11				
	1TMSIT11		P002	440	1TMSIT11				
|	1MISEL1		P003	441	1MISEL1				
|	1TMSSEL1		P004	442	1TMSSEL1				
|	1TMSRDY0		P005	443	1TMSRDY0				
|	1TMSRST0		P000	538	1TMSRST0				
|	1MIINT10		P001	539	1MIINT10				
|	1TMSIT10		P002	540	1TMSIT10				
|	1MISEL0		P003	541	1MISEL0				
|	1TMSSEL0		P004	542	1TMSSEL0				
|	1TMSRDY1		P005	543	1TMSRDY1				

CAD 012
SCAN AND DISTRIBUTE

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-008	JACK/CP	.....			
TO 3B10P	00SR		P004	051	00SR				
|	RQIP3BR		P005	052	RQIP3BR				
|	SCYR		P006	053	SCYR				
|	SCXR		P007	054	SCXR				
	NC			055					
	NC			056					
TO 3B10P	00S3B		P004	151	00S3B				
|	RQIP3B		P005	152	RQIP3B				
|	SCY3B		P006	153	SCY3B				
|	SCX3B		P007	154	SCX3B				
	NC			155					
	NC			156					

CAD 012
(CONT'D)

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-008	JACK/CPTF	.....			
TO 3B10P	00SR		P000	038	00SR	04-008	CP	051	
|	RQIP3BR		P001	039	RQIP3BR	04-008	CP	052	
|	SCYR		P002	040	SCYR	04-008	CP	053	
|	SCXR		P003	041	SCXR	04-008	CP	054	
	NC			042					
	NC			043					
TO 3B10P	00S3B		P000	138	00S3B	04-008	CP	151	
|	RQIP3B		P001	139	RQIP3B	04-008	CP	152	
|	SCY3B		P002	140	SCY3B	04-008	CP	153	
|	SCX3B		P003	141	SCX3B	04-008	CP	154	
	NC			142					
	NC			143					

CAD 013
FUSE ALARM

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-008	JACK/CP	.....			
	NC			045					
	NC			046					
	NC			047					
TO FUSE PANEL	ALMC2			145	ALMC2	04-008	CP	117	
	NC			146					
	NC			147					

CAD 014
-48 POWER AND RETURN

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			01-015	LUG	.....			
TO FUSE PANEL	-48PWR			080	-48PWR	04-008	CP	006	
.....	J			01-018	LUG	.....			
TO FUSE PANEL	-48RTN			080	-48RTN	04-008	CP	003	

SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE C2	ISSUE 4AC
AT&T BELL LABORATORIES	SD-5D136-01	CB4

CAD 015

UACFTS

TO CONNECTION					FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-072	TF	.....			
NC				000	+5PWR01	04-064	CP	323	
NC				001	+5PWR01	04-064	CP	323	
NC				002	BXADD00	04-080	CP	046	
NC				003	BXADD02	04-080	CP	047	
NC				004	BXADD04	04-080	CP	048	
NC				005	BXADD06	04-080	CP	049	
NC				006	BXADD08	04-080	CP	050	
NC				007	BXADD10	04-080	CP	051	
NC				008	BXADD12	04-080	CP	052	
NC				009	BXADD14	04-080	CP	053	
NC				010	BXADD16	04-080	CP	054	
NC				011	BXADD18	04-080	CP	055	
NC				012	NCURPR	04-048	CP	012	
NC				013	BSTAT863	04-080	CP	233	
NC				018	APBHE0	04-056	CP	018	
NC				019	ARASDK1	04-056	CP	019	
NC				020	AXALHPGE	04-064	CP	020	
NC				022	AXPWRRST	04-064	CP	022	
NC				023	GRD04080				
NC				024	GRD04080				
NC				032	GRD04080				
NC				034	AENLOBYT	04-048	CP	034	
NC				035	AENHIBYT	04-056	CP	035	
NC				040	AXMEM11O	04-064	CP	040	
NC				041	AX1ORD0	04-064	CP	041	
NC				042	AXMEMRD0	04-056	CP	042	
NC				043	AXCK4MHZ	04-064	CP	043	
NC				044	GRD04080				
NC				045	GRD04080				
NC				046	AXADD00	04-064	CP	046	
NC				047	AXADD02	04-064	CP	047	
NC				048	AXADD04	04-064	CP	048	
NC				049	AXADD06	04-064	CP	049	
NC				050	AXADD08	04-064	CP	050	
NC				051	AXADD10	04-064	CP	051	
NC				052	AXADD12	04-064	CP	052	
NC				053	AXADD14	04-064	CP	053	
NC				054	AXADD16	04-064	CP	054	
NC				055	AXADD18	04-064	CP	055	
NC				100	+5PWR01	04-064	CP	323	
NC				101	+5PWR01	04-064	CP	323	
NC				102	BXADD01	04-080	CP	146	
NC				103	BXADD03	04-080	CP	147	
NC				104	BXADD05	04-080	CP	148	
NC				105	BXADD07	04-080	CP	149	
NC				106	BXADD09	04-080	CP	150	
NC				107	BXADD11	04-080	CP	151	
NC				108	BXADD13	04-080	CP	152	
NC				109	BXADD15	04-080	CP	153	
NC				110	BXADD17	04-080	CP	154	
NC				111	BXADD19	04-080	CP	155	
NC				112	PCURPR	04-048	CP	112	
NC				113	BSTAT864	04-080	CP	333	
NC				123	GRD04080				
NC				124	GRD04080				
NC				132	GRD04080				
NC				134	AENBYBYT	04-048	CP	134	
NC				135	AXLATCH0	04-064	CP	135	
NC				140	AXD86T1R	04-064	CP	140	
NC				141	AX1OWT0	04-064	CP	141	
NC				142	AXMEMWT0	04-056	CP	142	
NC				143	AXCSWIND	04-064	CP	143	
NC				144	GRD04080				
NC				145	GRD04080				
NC				146	AXADD01	04-064	CP	146	
NC				147	AXADD03	04-064	CP	147	
NC				148	AXADD05	04-064	CP	148	
NC				149	AXADD07	04-064	CP	149	
NC				150	AXADD09	04-064	CP	150	
NC				151	AXADD11	04-064	CP	151	
NC				152	AXADD13	04-064	CP	152	
NC				153	AXADD15	04-064	CP	153	
NC				154	AXADD17	04-064	CP	154	
NC				155	AXADD19	04-064	CP	155	
NC				200	GRD04080				
NC				201	GRD04080				
NC				202	BHDDAT00	04-080	CP	235	
NC				203	BHDDAT02	04-080	CP	236	
NC				204	BHDDAT04	04-080	CP	237	
NC				205	BHDDAT06	04-080	CP	238	
NC				206	BXDATA08	04-080	CP	250	
NC				207	BXDATA10	04-080	CP	251	
NC				208	BXDATA12	04-080	CP	252	
NC				209	BXDATA14	04-080	CP	253	
NC				210	BXRD860	04-080	CP	232	

CAD 015

(CONT'D)

TO CONNECTION					FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-072 (CONT'D)	TF	.....			
NC				211	GRD04080				
NC				212	GRD04080				
NC				213	BSTAT865	04-080	CP	234	
NC				214	GRD04080				
NC				232	AXRD860	04-064	CP	232	
NC				233	ASTAT863	04-064	CP	233	
NC				234	ASTAT865	04-064	CP	234	
NC				235	AWDDAT00	04-064	CP	235	
NC				236	AWDDAT02	04-064	CP	236	
NC				237	AWDDAT04	04-064	CP	237	
NC				238	AWDDAT06	04-064	CP	238	
NC				241	AUACEOP0	04-064	CP	241	
NC				242	AUACINT0	04-064	CP	242	
NC				243	AINHRTCT	04-064	CP	243	
NC				244	GRD04080				
NC				245	GRD04080				
NC				246	AXDATA00	04-064	CP	246	
NC				247	AXDATA02	04-064	CP	247	
NC				248	AXDATA04	04-064	CP	248	
NC				249	AXDATA06	04-064	CP	249	
NC				250	AXDATA08	04-064	CP	250	
NC				251	AXDATA10	04-064	CP	251	
NC				252	AXDATA12	04-064	CP	252	
NC				253	AXDATA14	04-064	CP	253	
NC				254	AXDATAPL	04-064	CP	254	
NC				256	GRD04080				
NC				300	GRD04080				
NC				301	GRD04080				
NC				302	BWDDAT01	04-080	CP	335	
NC				303	BWDDAT03	04-080	CP	336	
NC				304	BWDDAT05	04-080	CP	337	
NC				305	BWDDAT07	04-080	CP	338	
NC				306	BXDATA09	04-080	CP	350	
NC				307	BXDATA11	04-080	CP	351	
NC				308	BXDATA13	04-080	CP	352	
NC				309	BXDATA15	04-080	CP	353	
NC				310	BXWT860	04-080	CP	332	
NC				311	GRD04080				
NC				312	GRD04080				
NC				313	BXMEM11O	04-080	CP	040	
NC				323	+5PWR01	04-064	CP	323	
NC				324	GRD04080				
NC				332	AXWT860	04-064	CP	332	
NC				333	ASTAT864	04-064	CP	333	
NC				334	GRD04080				
NC				335	AWDDAT01	04-064	CP	335	
NC				336	AWDDAT03	04-064	CP	336	
NC				337	AWDDAT05	04-064	CP	337	
NC				338	AWDDAT07	04-064	CP	338	
NC				341	AMONDBCS	04-064	CP	341	
NC				342	APICINIT	04-064	CP	342	
NC				343	ACLRISO0	04-064	CP	343	
NC				344	GRD04080				
NC				345	GRD04080				
NC				346	AXDATA01	04-064	CP	346	
NC				347	AXDATA03	04-064	CP	347	
NC				348	AXDATA05	04-064	CP	348	
NC				349	AXDATA07	04-064	CP	349	
NC				350	AXDATA09	04-064	CP	350	
NC				351	AXDATA11	04-064	CP	351	
NC				352	AXDATA13	04-064	CP	352	
NC				353	AXDATA15	04-064	CP	353	
NC				354	AXDATAPH	04-064	CP	354	
NC				356	GRD04080				
NC				400	GRD04080				
NC				401	GRD04080				
NC				410	GRD04080				
NC				411	GRD04080				
NC				412	GRD04080				
NC				444	GRD04080				
NC				500	GRD04080				
NC				501	GRD04080				
NC				510	GRD04080				
NC				511	GRD04080				
NC				512	GRD04080				
NC				544	GRD04080				
.....	J			04-144	TF	.....			
NC				000	+5PWR01	04-064	CP	323	
NC				001	+5PWR01	04-064	CP	323	
NC				002	DXADD00	04-152	CP	046	
NC				003	DXADD02	04-152	CP	047	

CAD 015

(CONT'D)

TO CONNECTION					FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-144 (CONT'D)	TF	.....			
NC				004	DXADD04	04-152	CP	048	
NC				005	DXADD06	04-152	CP	049	
NC				006	DXADD08	04-152	CP	050	
NC				007	DXADD10	04-152	CP	051	
NC				008	DXADD12	04-152	CP	052	
NC				009	DXADD14	04-152	CP	053	
NC				010	DXADD16	04-152	CP	054	
NC				011	DXADD18	04-152	CP	055	
NC				012	NCURPR	04-048	CP	012	
NC				013	DSTAT863	04-152	CP	233	
NC				018	CPBHE0	04-128	CP	018	
NC				019	CRASDK1	04-128	CP	019	
NC				020	CXALWPGE	04-136	CP	020	
NC				022	CXPWRRST	04-136	CP	022	
NC				023	GRD04152				
NC				024	GRD04152				
NC				032	GRD04152				
NC				034	CENLOBYT	04-120	CP	034	
NC				035	CENHIBYT	04-136	CP	035	
NC				040	CXMEM11O	04-136	CP	040	
NC				041	CX1ORD0	04-136	CP	041	
NC				042	CXMEMRD0	04-128	CP	042	
NC				043	CXCK4MHZ	04-136	CP	043	
NC				044	GRD04152				
NC				045	GRD04152				
NC				046	DXADD00	04-136	CP	046	
NC				047	DXADD02	04-136	CP	047	
NC				048	DXADD04	04-136	CP	048	
NC				049	DXADD06	04-136	CP	049	
NC				050	DXADD08	04-136	CP	050	
NC				051	DXADD10	04-136	CP	051	
NC				052	DXADD12	04-136	CP	052	
NC				053	DXADD14	04-136	CP	053	
NC				054	DXADD16	04-136	CP	054	
NC				055	DXADD18	04-136	CP	055	
NC				100	+5PWR01	04-064	CP	323	
NC				101	+5PWR01	04-064	CP	323	
NC				102	DXADD01	04-152	CP	146	
NC				103	DXADD03	04-152	CP	147	
NC				104	DXADD05	04-152	CP	148	
NC				105	DXADD07	04-152	CP	149	
NC				106	DXADD09	04-152	CP	150	
NC				107	DXADD11	04-152	CP	151	
NC				108	DXADD13	04-152	CP	152	
NC				109	DXADD15	04-152	CP	153	
NC				110	DXADD17	04-152	CP	154	
NC				111	DXADD19	04-152	CP	155	
NC				112	PCURPR	04-048	CP	112	
NC				113	DSTAT864	04-152	CP	333	
NC				123	GRD04152				
NC				124	GRD04152				
NC				132	GRD04152				
NC				134	CENBYBYT	04-120	CP	134	
NC				135	CXLATCH0	04-136	CP	135	
NC				140	CXD86T1R	04-136	CP	140	
NC				141	CX1OWT0	04-136	CP	141	
NC				142	CXMEMWT0	04-128	CP	142	
NC				143	CXCSWIND	04-136	CP	143	
NC				144	GRD04152				
NC				145	GRD04152				
NC				146	DXADD01	04-136	CP	146	
NC				147	DXADD03	04-136	CP	147	
NC				148	DXADD05	04-136	CP	148	
NC				149	DXADD07	04-136	CP	149	
NC				150	DXADD09	04-136	CP	150	
NC				151	DXADD11	04-136	CP	151	
NC				152	DXADD13	04-136	CP	152	
NC				153	DXADD15	04-136	CP	153	
NC				154	DXADD17	04-136	CP	154	
NC				155	DXADD19	04-136	CP	155	
NC				200	GRD04152				
NC				201	GRD04152				

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE: C2

ISSUE: 3D

AT&T BELL LABORATORIES

SD-5D136-01

GB5

CAD 015
(CONT'D)

TO CONNECTION DESTINATION	TO CONNECTION LEAD DESIG	METHOD	WIRE SYM	FROM CONNECTION TERMINAL	FROM CONNECTION LEAD DESIG	FROM CONNECTION TERMINATION	FROM CONNECTION TERMINAL	OPT	NOTE
.....	J			04-144 (CONT'D)	TF	.....			
NC				202	DWDDAT00	04-152	CP 235		
NC				203	DWDDAT02	04-152	CP 236		
NC				204	DWDDAT04	04-152	CP 237		
NC				205	DWDDAT06	04-152	CP 238		
NC				206	DXDATA08	04-152	CP 250		
NC				207	DXDATA10	04-152	CP 251		
NC				208	DXDATA12	04-152	CP 252		
NC				209	DXDATA14	04-152	CP 253		
NC				210	DXRD860	04-152	CP 232		
NC				211	GRD04152				
NC				212	GRD04152				
NC				213	DSTAT865	04-152	CP 234		
NC				214	GRD04152				
NC				232	DXRD860	04-136	CP 232		
NC				233	CSTAT863	04-136	CP 233		
NC				234	CSTAT865	04-136	CP 234		
NC				235	CWDDAT00	04-136	CP 235		
NC				236	CWDDAT02	04-136	CP 236		
NC				237	CWDDAT04	04-136	CP 237		
NC				238	CWDDAT06	04-136	CP 238		
NC				241	CUACEOP0	04-136	CP 241		
NC				242	CUACINT0	04-136	CP 242		
NC				243	CINHRTCT	04-136	CP 243		
NC				244	GRD04152				
NC				245	GRD04152				
NC				246	CXDATA00	04-136	CP 246		
NC				247	CXDATA02	04-136	CP 247		
NC				248	CXDATA04	04-136	CP 248		
NC				249	CXDATA06	04-136	CP 249		
NC				250	CXDATA08	04-136	CP 250		
NC				251	CXDATA10	04-136	CP 251		
NC				252	CXDATA12	04-136	CP 252		
NC				253	CXDATA14	04-136	CP 253		
NC				254	CXDATAPL	04-136	CP 254		
NC				256	GRD04152				
NC				300	GRD04152				
NC				301	GRD04152				
NC				302	DWDDAT01	04-152	CP 335		
NC				303	DWDDAT03	04-152	CP 336		
NC				304	DWDDAT05	04-152	CP 337		
NC				305	DWDDAT07	04-152	CP 338		
NC				306	DXDATA09	04-152	CP 350		
NC				307	DXDATA11	04-152	CP 351		
NC				308	DXDATA13	04-152	CP 352		
NC				309	DXDATA15	04-152	CP 353		
NC				310	DXWT860	04-152	CP 332		
NC				311	GRD04152				
NC				312	GRD04152				
NC				313	DXMEM1:0	04-152	CP 040		
NC				323	+5PWR01	04-064	CP 323		
NC				324	GRD04152				
NC				332	CXWT860	04-136	CP 332		
NC				333	CSTAT864	04-136	CP 333		
NC				334	GRD04152				
NC				335	CWDDAT01	04-136	CP 335		
NC				336	CWDDAT03	04-136	CP 336		
NC				337	CWDDAT05	04-136	CP 337		
NC				338	CWDDAT07	04-136	CP 338		
NC				341	CMONDBCS	04-136	CP 341		
NC				342	CPICINIT	04-136	CP 342		
NC				343	CCLRISO0	04-136	CP 343		
NC				344	GRD04152				
NC				345	GRD04152				
NC				346	CXDATA01	04-136	CP 346		
NC				347	CXDATA03	04-136	CP 347		
NC				348	CXDATA05	04-136	CP 348		
NC				349	CXDATA07	04-136	CP 349		
NC				350	CXDATA09	04-136	CP 350		
NC				351	CXDATA11	04-136	CP 351		
NC				352	CXDATA13	04-136	CP 352		
NC				353	CXDATA15	04-136	CP 353		
NC				354	CXDATAPH	04-136	CP 354		
NC				356	GRD04152				
NC				400	GRD04152				
NC				401	GRD04152				
NC				410	GRD04152				
NC				411	GRD04152				
NC				412	GRD04152				
NC				444	GRD04152				
NC				500	GRD04152				
NC				501	GRD04152				
NC				510	GRD04152				
NC				511	GRD04152				
NC				512	GRD04152				

CAD 015
(CONT'D)

TO CONNECTION DESTINATION	TO CONNECTION LEAD DESIG	METHOD	WIRE SYM	FROM CONNECTION TERMINAL	FROM CONNECTION LEAD DESIG	FROM CONNECTION TERMINATION	FROM CONNECTION TERMINAL	OPT	NOTE
.....	J			04-144 (CONT'D)	TF	.....			
NC				544	GRD04152				

CAD 016
STAGING POINTS

TO CONNECTION DESTINATION	TO CONNECTION LEAD DESIG	METHOD	WIRE SYM	FROM CONNECTION TERMINAL	FROM CONNECTION LEAD DESIG	FROM CONNECTION TERMINATION	FROM CONNECTION TERMINAL	OPT	NOTE
.....	J			04-040	JACK/TF	.....			
NC				007	GRD04040				
NC				021	AADD2PE0	04-048	CP 021		
NC				022	AXPWRRST	04-064	CP 022		
NC				033	AX10MINT	04-064	CP 033		
NC				035	AENHIBYT	04-056	CP 035		
NC				036	AXCONTWS	04-064	CP 036		
NC				038	AXINTREQ	04-048	CP 038		
NC				039	AXHLDREQ	04-048	CP 039		
NC				107	GRD04040				
NC				111	07TVLOPA	04-040	CP 011		
NC				118	AP2IN	04-056	CP 118		
NC				119	APUMPCS0	04-064	CP 119		
NC				120	ACMDINT0	04-064	CP 120		
NC				121	ADAT2PE0	04-048	CP 121		
NC				137	AXDIRLRW	04-064	CP 137		
NC				138	AXINTACK	04-064	CP 138		
NC				250	AXDATA08	04-064	CP 250		
NC				251	AXDATA10	04-064	CP 251		
NC				252	AXDATA12	04-064	CP 252		
NC				253	AXDATA14	04-064	CP 253		
NC				350	AXDATA09	04-064	CP 350		
NC				351	AXDATA11	04-064	CP 351		
NC				352	AXDATA13	04-064	CP 352		
NC				353	AXDATA15	04-064	CP 353		
NC				354	AXDATAPH	04-064	CP 354		
.....	J			04-048	JACK/TF	.....			
NC				009	02TVLOPC	04-048	TF 109		
NC				010	02TVLOPB	04-048	TF 110		
NC				011	02TVLOPA	04-048	TF 111		
NC				018	APBHE0	04-056	CP 018		
NC				019	ARASOK1	04-056	CP 019		
NC				022	AXPWRRST	04-064	CP 022		
NC				035	AENHIBYT	04-056	CP 035		
NC				036	AXCONTWS	04-064	CP 036		
NC				042	AXMEMRD0	04-056	CP 042		
NC				050	AXADD08	04-064	CP 050		
NC				051	AXADD10	04-064	CP 051		
NC				052	AXADD12	04-064	CP 052		
NC				053	AXADD14	04-064	CP 053		
NC				054	AXADD16	04-064	CP 054		
NC				055	AXADD18	04-064	CP 055		
NC				107	GRD04048				
NC				108	02TVLOPD	04-048	CP 008		
NC				109	02TVLOPC	04-048	TF 009		
NC				110	02TVLOPB	04-048	TF 010		
NC				111	02TVLOPA	04-048	TF 011		
NC				118	AF2IN	04-056	CP 118		
NC				119	APUMPCS0	04-064	CP 119		
NC				136	AXDYRWAT	04-064	CP 136		
NC				137	AXDIRLRW	04-064	CP 137		
NC				142	AXMEMWT0	04-056	CP 142		
NC				150	AXADD09	04-064	CP 150		
NC				151	AXADD11	04-064	CP 151		
NC				152	AXADD13	04-064	CP 152		
NC				153	AXADD15	04-064	CP 153		
NC				154	AXADD17	04-064	CP 154		
NC				155	AXADD19	04-064	CP 155		
NC				156	AXADDPH	04-064	CP 156		
NC				250	AXDATA08	04-064	CP 250		
NC				251	AXDATA10	04-064	CP 251		
NC				252	AXDATA12	04-064	CP 252		
NC				253	AXDATA14	04-064	CP 253		
NC				255	AXADDPU	04-056	CP 255		

CAD 016
(CONT'D)

TO CONNECTION DESTINATION	TO CONNECTION LEAD DESIG	METHOD	WIRE SYM	FROM CONNECTION TERMINAL	FROM CONNECTION LEAD DESIG	FROM CONNECTION TERMINATION	FROM CONNECTION TERMINAL	OPT	NOTE
.....	J			04-048 (CONT'D)	JACK/TF	.....			
NC				350	AXDATA09	04-064	CP 350		
NC				351	AXDATA11	04-064	CP 351		
NC				352	AXDATA13	04-064	CP 352		
NC				353	AXDATA15	04-064	CP 353		
NC				354	AXDATAPH	04-064	CP 354		
NC				355	AXCLK86	04-064	CP 355		
.....	J			04-056	JACK/TF	.....			
NC				007	GRD04056				
NC				021	AADD2PE0	04-048	CP 021		
NC				022	AXPWRRST	04-064	CP 022		
NC				036	AXCONTWS	04-064	CP 036		
NC				039	AXHLDREQ	04-048	CP 039		
NC				107	GRD04056				
NC				120	ACMDINT0	04-064	CP 120		
NC				121	ADAT2PE0	04-048	CP 121		
NC				137	AXDIRLRW	04-064	CP 137		
.....	J			04-088	JACK/TF	.....			
NC				007	GRD04088				
NC				035	BENHIBYT	04-080	CP 035		
NC				036	BXCONTWS	04-080	CP 036		
NC				039	BXHLDREQ	04-096	CP 039		
NC				107	GRD04088				
NC				111	07TVLOPA	04-088	CP 011		
NC				119	BPUMPCS0	04-080	CP 119		
NC				137	BXDIRLRW	04-080	CP 137		
NC				250	BXDATA08	04-080	CP 250		
NC				251	BXDATA10	04-080	CP 251		
NC				252	BXDATA12	04-080	CP 252		
NC				253	BXDATA14	04-080	CP 253		
NC				350	BXDATA09	04-080	CP 350		
NC				351	BXDATA11	04-080	CP 351		
NC				352	BXDATA13	04-080	CP 352		
NC				353	BXDATA15	04-080	CP 353		
NC				354	BXDATAPH	04-080	CP 354		

SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE C2	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	GB6

CAD 016 (CONT'D)

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-096	JACK/TF	.....			
NC				009	06TVLOPC	04-096	TF 109		
NC				010	06TVLOPB	04-096	TF 110		
NC				011	06TVLOPA	04-096	TF 111		
NC				018	BPBHE0	04-088	CP 018		
NC				019	BRAS0K1	04-088	CP 019		
NC				022	BXPWRRST	04-080	CP 022		
NC				035	BENHIBYT	04-080	CP 035		
NC				036	BXCONTWS	04-080	CP 036		
NC				042	BXMEMRD0	04-088	CP 042		
NC				050	BXADD08	04-080	CP 050		
NC				051	BXADD10	04-080	CP 051		
NC				052	BXADD12	04-080	CP 052		
NC				053	BXADD14	04-080	CP 053		
NC				054	BXADD16	04-080	CP 054		
NC				055	BXADD18	04-080	CP 055		
NC				107	GRD04096				
NC				108	06TVLOPD	04-096	CP 008		
NC				109	06TVLOPE	04-096	TF 009		
NC				110	06TVLOPB	04-096	TF 010		
NC				111	06TVLOPA	04-096	TF 011		
NC				118	BP2IN	04-088	CP 118		
NC				119	BPUMPCS0	04-080	CP 119		
NC				136	BXDYRWAT	04-080	CP 136		
NC				137	BXDIRLRW	04-080	CP 137		
NC				142	BXMEMWT0	04-088	CP 142		
NC				150	BXADD09	04-080	CP 150		
NC				151	BXADD11	04-080	CP 151		
NC				152	BXADD13	04-080	CP 152		
NC				153	BXADD15	04-080	CP 153		
NC				154	BXADD17	04-080	CP 154		
NC				155	BXADD19	04-080	CP 155		
NC				156	BXADDPH	04-080	CP 156		
NC				250	BXDATA08	04-080	CP 250		
NC				251	BXDATA10	04-080	CP 251		
NC				252	BXDATA12	04-080	CP 252		
NC				253	BXDATA14	04-080	CP 253		
NC				255	BXADDPU	04-088	CP 255		
NC				350	BXDATA09	04-080	CP 350		
NC				351	BXDATA11	04-080	CP 351		
NC				352	BXDATA13	04-080	CP 352		
NC				353	BXDATA15	04-080	CP 353		
NC				354	BXDATAPH	04-080	CP 354		
NC				355	BXCLK86	04-080	CP 355		
.....J				04-104	JACK/TF	.....			
NC				007	GRD04104				
NC				021	BADD2PE0	04-096	CP 021		
NC				022	BXPWRRST	04-080	CP 022		
NC				033	BX10MINT	04-080	CP 033		
NC				035	BENHIBYT	04-080	CP 035		
NC				036	BXCONTWS	04-080	CP 036		
NC				038	BXINTREQ	04-096	CP 038		
NC				039	BXHLDREQ	04-096	CP 039		
NC				107	GRD04104				
NC				111	08TVLOPA	04-104	CP 011		
NC				118	BP2IN	04-088	CP 118		
NC				119	BPUMPCS0	04-080	CP 119		
NC				120	BCMDINT0	04-080	CP 120		
NC				121	BDAT2PE0	04-096	CP 121		
NC				137	BXDIRLRW	04-080	CP 137		
NC				138	BXINTACK	04-080	CP 138		
NC				250	BXDATA08	04-080	CP 250		
NC				251	BXDATA10	04-080	CP 251		
NC				252	BXDATA12	04-080	CP 252		
NC				253	BXDATA14	04-080	CP 253		
NC				350	BXDATA09	04-080	CP 350		
NC				351	BXDATA11	04-080	CP 351		
NC				352	BXDATA13	04-080	CP 352		
NC				353	BXDATA15	04-080	CP 353		
NC				354	BXDATAPH	04-080	CP 354		
.....J				04-112	JACK/TF	.....			
NC				007	GRD04112				
NC				021	CADD2PE0	04-120	CP 021		
NC				022	CXPWRRST	04-136	CP 022		
NC				033	CX10MINT	04-136	CP 033		
NC				035	CENHIBYT	04-136	CP 035		
NC				036	CXCONTWS	04-136	CP 036		
NC				038	CXINTREQ	04-120	CP 038		
NC				039	CXHLDREQ	04-120	CP 039		
NC				107	GRD04112				

CAD 016 (CONT'D)

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-112 (CONT'D)	JACK/TF	.....			
NC				111	12TVLOPA	04-112	CP 011		
NC				118	CP2IN	04-136	CP 118		
NC				119	CPUMPCS0	04-136	CP 119		
NC				120	CCMDINT0	04-136	CP 120		
NC				121	CDAT2PE0	04-120	CP 121		
NC				137	CXDIRLRW	04-136	CP 137		
NC				138	CXINTACK	04-136	CP 138		
NC				250	CXDATA08	04-136	CP 250		
NC				251	CXDATA10	04-136	CP 251		
NC				252	CXDATA12	04-136	CP 252		
NC				253	CXDATA14	04-136	CP 253		
NC				350	CXDATA09	04-136	CP 350		
NC				351	CXDATA11	04-136	CP 351		
NC				352	CXDATA13	04-136	CP 352		
NC				353	CXDATA15	04-136	CP 353		
NC				354	CXDATAPH	04-136	CP 354		
.....J				04-120	JACK/TF	.....			
NC				009	10TVLOPC	04-120	TF 109		
NC				010	10TVLOPB	04-120	TF 110		
NC				011	10TVLOPA	04-120	TF 111		
NC				018	CPBHE0	04-128	CP 018		
NC				019	CRAS0K1	04-128	CP 019		
NC				022	CXPWRRST	04-136	CP 022		
NC				035	CENHIBYT	04-136	CP 035		
NC				036	CXCONTWS	04-136	CP 036		
NC				042	CXMEMRD0	04-128	CP 042		
NC				050	CXADD08	04-136	CP 050		
NC				051	CXADD10	04-136	CP 051		
NC				052	CXADD12	04-136	CP 052		
NC				053	CXADD14	04-136	CP 053		
NC				054	CXADD16	04-136	CP 054		
NC				055	CXADD18	04-136	CP 055		
NC				107	GRD04120				
NC				108	10TVLOPD	04-120	CP 008		
NC				109	10TVLOPE	04-120	TF 009		
NC				110	10TVLOPB	04-120	TF 010		
NC				111	10TVLOPA	04-120	TF 011		
NC				118	CP2IN	04-136	CP 118		
NC				119	CPUMPCS0	04-136	CP 119		
NC				136	CXDYRWAT	04-136	CP 136		
NC				137	CXDIRLRW	04-136	CP 137		
NC				142	CXMEMWT0	04-128	CP 142		
NC				150	CXADD09	04-136	CP 150		
NC				151	CXADD11	04-136	CP 151		
NC				152	CXADD13	04-136	CP 152		
NC				153	CXADD15	04-136	CP 153		
NC				154	CXADD17	04-136	CP 154		
NC				155	CXADD19	04-136	CP 155		
NC				156	CXADDPH	04-136	CP 156		
NC				250	CXDATA08	04-136	CP 250		
NC				251	CXDATA10	04-136	CP 251		
NC				252	CXDATA12	04-136	CP 252		
NC				253	CXDATA14	04-136	CP 253		
NC				255	CXADDPU	04-128	CP 255		
NC				350	CXDATA09	04-136	CP 350		
NC				351	CXDATA11	04-136	CP 351		
NC				352	CXDATA13	04-136	CP 352		
NC				353	CXDATA15	04-136	CP 353		
NC				354	CXDATAPH	04-136	CP 354		
NC				355	CXCLK86	04-136	CP 355		
.....J				04-128	JACK/TF	.....			
NC				007	GRD04128				
NC				021	CADD2PE0	04-120	CP 021		
NC				022	CXPWRRST	04-136	CP 022		
NC				033	CX10MINT	04-136	CP 033		
NC				035	CENHIBYT	04-136	CP 035		
NC				036	CXCONTWS	04-136	CP 036		
NC				038	CXINTREQ	04-120	CP 038		
NC				039	CXHLDREQ	04-120	CP 039		
NC				107	GRD04128				
NC				111	11TVLOPA	04-128	CP 011		
NC				118	CP2IN	04-136	CP 118		
NC				119	CPUMPCSG	04-136	CP 119		
NC				120	CCMDINT0	04-136	CP 120		
NC				121	CDAT2PE0	04-120	CP 121		
NC				137	CXDIRLRW	04-136	CP 137		
NC				138	CXINTACK	04-136	CP 138		
NC				250	CXDATA08	04-136	CP 250		

CAD 016 (CONT'D)

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-128 (CONT'D)	JACK/TF	.....			
NC				251	CXDATA10	04-136	CP 251		
NC				252	CXDATA12	04-136	CP 252		
NC				253	CXDATA14	04-136	CP 253		
NC				350	CXDATA09	04-136	CP 350		
NC				351	CXDATA11	04-136	CP 351		
NC				352	CXDATA13	04-136	CP 352		
NC				353	CXDATA15	04-136	CP 353		
NC				354	CXDATAPH	04-136	CP 354		
.....J				04-160	JACK/TF	.....			
NC				007	GRD04160				
NC				021	DADD2PE0	04-168	CP 021		
NC				022	DXPWRRST	04-152	CP 022		
NC				033	DX10MINT	04-152	CP 033		
NC				035	DENHIBYT	04-152	CP 035		
NC				036	DXCONTWS	04-152	CP 036		
NC				038	DXINTREQ	04-168	CP 038		
NC				039	DXHLDREQ	04-168	CP 039		
NC				107	GRD04160				
NC				111	15TVLOPA	04-160	CP 011		
NC				118	DP2IN	04-152	CP 118		
NC				119	DPUMPCS0	04-152	CP 119		
NC				120	DCMDINT0	04-152	CP 120		
NC				121	DDAT2PE0	04-168	CP 121		
NC				137	DXDIRLRW	04-152	CP 137		
NC				138	DXINTACK	04-152	CP 138		
NC				250	DXDATA08	04-152	CP 250		
NC				251	DXDATA10	04-152	CP 251		
NC				252	DXDATA12	04-152	CP 252		
NC				253	DXDATA14	04-152	CP 253		
NC				350	DXDATA09	04-152	CP 350		
NC				351	DXDATA11	04-152	CP 351		
NC				352	DXDATA13	04-152	CP 352		
NC				353	DXDATA15	04-152	CP 353		
NC				354	DXDATAPH	04-152	CP 354		

SEE PROPRIETARY NOTICE ON COVER SHEET

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE C2	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	GB7

CAD 016

(CONT'D)

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-168	JACK/TF	.....			
NC				009	14TVLOPC	04-168	TF 109		
NC				010	14TVLOPB	04-168	TF 110		
NC				011	14TVLOPA	04-168	TF 111		
NC				018	DPBHE0	04-160	CP 018		
NC				019	DRASOK1	04-160	CP 019		
NC				022	DXPWRRST	04-152	CP 022		
NC				035	DENHIBYT	04-152	CP 035		
NC				036	DXCONTWS	04-152	CP 036		
NC				042	DXMEMRD0	04-160	CP 042		
NC				050	DXADD08	04-152	CP 050		
NC				051	DXADD10	04-152	CP 051		
NC				052	DXADD12	04-152	CP 052		
NC				053	DXADD14	04-152	CP 053		
NC				054	DXADD16	04-152	CP 054		
NC				055	DXADD18	04-152	CP 055		
NC				107	GRD04168				
NC				108	14TVLOPD	04-168	CP 008		
NC				109	14TVLOPC	04-168	TF 009		
NC				110	14TVLOPB	04-168	TF 010		
NC				111	14TVLOPA	04-168	TF 011		
NC				118	DP2IN	04-152	CP 118		
NC				119	DPUMPCS0	04-152	CP 119		
NC				136	DXDYRWAT	04-152	CP 136		
NC				137	DXDIRLRW	04-152	CP 137		
NC				142	DXMEMWT0	04-160	CP 142		
NC				150	DXADD09	04-152	CP 150		
NC				151	DXADD11	04-152	CP 151		
NC				152	DXADD13	04-152	CP 152		
NC				153	DXADD15	04-152	CP 153		
NC				154	DXADD17	04-152	CP 154		
NC				155	DXADD19	04-152	CP 155		
NC				156	DXADDPH	04-152	CP 156		
NC				238	GRD04168				
NC				250	DXDATA08	04-152	CP 250		
NC				251	DXDATA10	04-152	CP 251		
NC				252	DXDATA12	04-152	CP 252		
NC				253	DXDATA14	04-152	CP 253		
NC				255	DXADDPU	04-160	CP 255		
NC				338	+5PWR01	04-064	CP 323		
NC				350	DXDATA09	04-152	CP 350		
NC				351	DXDATA11	04-152	CP 351		
NC				352	DXDATA13	04-152	CP 352		
NC				353	DXDATA15	04-152	CP 353		
NC				354	DXDATAPH	04-152	CP 354		
NC				355	DXCLK86	04-152	CP 355		
.....	J			04-176	JACK/TF	.....			
NC				007	GRD04176				
NC				021	DADD2PE0	04-168	CP 021		
NC				022	DXPWRRST	04-152	CP 022		
NC				033	DX10MINT	04-152	CP 033		
NC				035	DENHIBYT	04-152	CP 035		
NC				036	DXCONTWS	04-152	CP 036		
NC				038	DXINTREQ	04-168	CP 038		
NC				039	DXHLDREQ	04-168	CP 039		
NC				107	GRD04176				
NC				111	16TVLOPA	04-176	CP 011		
NC				118	DP2IN	04-152	CP 118		
NC				119	DPUMPCS0	04-152	CP 119		
NC				120	DEMDINT0	04-152	CP 120		
NC				121	DDAT2PE0	04-168	CP 121		
NC				137	DXDIRLRW	04-152	CP 137		
NC				138	DXINTACK	04-152	CP 138		
NC				250	DXDATA08	04-152	CP 250		
NC				251	DXDATA10	04-152	CP 251		
NC				252	DXDATA12	04-152	CP 252		
NC				253	DXDATA14	04-152	CP 253		
NC				350	DXDATA09	04-152	CP 350		
NC				351	DXDATA11	04-152	CP 351		
NC				352	DXDATA13	04-152	CP 352		
NC				353	DXDATA15	04-152	CP 353		
NC				354	DXDATAPH	04-152	CP 354		

CAD 017

SPARE POWER AND GROUND

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-032	TF	.....			
NC				000	+5PWR01	04-064	CP 323		
NC				001	+5PWR01	04-064	CP 323		
NC				023	GRD04040				
NC				024	GRD04040				
NC				032	GRD04040				
NC				044	GRD04040				
NC				045	GRD04040				
NC				100	+5PWR01	04-064	CP 323		
NC				101	+5PWR01	04-064	CP 323		
NC				123	GRD04040				
NC				124	GRD04040				
NC				130	GRD04040				
NC				144	GRD04040				
NC				145	GRD04040				
NC				200	GRD04040				
NC				201	GRD04040				
NC				211	GRD04040				
NC				212	GRD04040				
NC				244	GRD04040				
NC				245	GRD04040				
NC				256	GRD04040				
NC				300	GRD04040				
NC				301	GRD04040				
NC				311	GRD04040				
NC				312	GRD04040				
NC				344	GRD04040				
NC				345	GRD04040				
NC				356	GRD04040				
NC				400	GRD04040				
NC				401	GRD04040				
NC				410	GRD04040				
NC				411	GRD04040				
NC				412	GRD04040				
NC				444	GRD04040				
NC				500	GRD04040				
NC				501	GRD04040				
NC				510	GRD04040				
NC				511	GRD04040				
NC				512	GRD04040				
NC				544	GRD04040				
.....	J			04-040	JACK/TF	.....			
NC				400	GRD04040				
NC				401	GRD04040				
NC				410	GRD04040				
NC				411	GRD04040				
NC				412	GRD04040				
NC				444	GRD04040				
NC				500	GRD04040				
NC				501	GRD04040				
NC				510	GRD04040				
NC				511	GRD04040				
NC				512	GRD04040				
NC				544	GRD04040				
.....	J			04-056	JACK/TF	.....			
NC				400	GRD04056				
NC				401	GRD04056				
NC				410	GRD04056				
NC				411	GRD04056				
NC				412	GRD04056				
NC				444	GRD04056				
NC				500	GRD04056				
NC				501	GRD04056				
NC				510	GRD04056				
NC				511	GRD04056				
NC				512	GRD04056				
NC				544	GRD04056				
.....	J			04-064	JACK/TF	.....			
NC				400	GRD04064				
NC				401	GRD04064				
NC				410	GRD04064				
NC				411	GRD04064				
NC				412	GRD04064				
NC				444	GRD04064				
NC				500	GRD04064				
NC				501	GRD04064				
NC				510	GRD04064				

CAD 017

(CONT'D)

TO CONNECTION: DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION: LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J			04-064 (CONT'D)	JACK/TF	.....			
NC				511	GRD04064				
NC				512	GRD04064				
NC				544	GRD04064				
.....	J			04-080	JACK/TF	.....			
NC				400	GRD04080				
NC				401	GRD04080				
NC				410	GRD04080				
NC				411	GRD04080				
NC				412	GRD04080				
NC				444	GRD04080				
NC				500	GRD04080				
NC				501	GRD04080				
NC				510	GRD04080				
NC				511	GRD04080				
NC				512	GRD04080				
NC				544	GRD04080				
.....	J			04-104	JACK/TF	.....			
NC				400	GRD04104				
NC				401	GRD04104				
NC				410	GRD04104				
NC				411	GRD04104				
NC				412	GRD04104				
NC				444	GRD04104				
NC				500	GRD04104				
NC				501	GRD04104				
NC				510	GRD04104				
NC				511	GRD04104				
NC				512	GRD04104				
NC				544	GRD04104				
.....	J			04-112	JACK/TF	.....			
NC				400	GRD04112				
NC				401	GRD04112				
NC				410	GRD04112				
NC				411	GRD04112				
NC				412	GRD04112				
NC				444	GRD04112				
NC				500	GRD04112				
NC				501	GRD04112				
NC				510	GRD04112				
NC				511	GRD04112				
NC				512	GRD04112				
NC				544	GRD04112				
.....	J			04-128	JACK/TF	.....			
NC				400	GRD04128				
NC				401	GRD04128				
NC				410	GRD04128				
NC				411	GRD04128				
NC				412	GRD04128				
NC				444	GRD04128				
NC				500	GRD04128				
NC				501	GRD04128				
NC				510	GRD04128				
NC				511	GRD04128				
NC				512	GRD04128				
NC				544	GRD04128				

MESSAGE SWITCH PERIPHERAL UNIT

DWG SIZE	ISSUE
C2	3D

AT&T BELL LABORATORIES | SD-5D136-01 | GB8

CAD 017

(CONT'D)

—TO CONNECTION—					—FROM CONNECTION—				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-136	JACK/TF	.....			
NC				400	GRD04136				
NC				401	GRD04136				
NC				410	GRD04136				
NC				411	GRD04136				
NC				412	GRD04136				
NC				444	GRD04136				
NC				500	GRD04136				
NC				501	GRD04136				
NC				510	GRD04136				
NC				511	GRD04136				
NC				512	GRD04136				
NC				544	GRD04136				
.....J				04-152	JACK/TF	.....			
NC				400	GRD04152				
NC				401	GRD04152				
NC				410	GRD04152				
NC				411	GRD04152				
NC				412	GRD04152				
NC				444	GRD04152				
NC				500	GRD04152				
NC				501	GRD04152				
NC				510	GRD04152				
NC				511	GRD04152				
NC				512	GRD04152				
NC				544	GRD04152				
.....J				04-160	JACK/TF	.....			
NC				400	GRD04160				
NC				401	GRD04160				
NC				410	GRD04160				
NC				411	GRD04160				
NC				412	GRD04160				
NC				444	GRD04160				
NC				500	GRD04160				
NC				501	GRD04160				
NC				510	GRD04160				
NC				511	GRD04160				
NC				512	GRD04160				
NC				544	GRD04160				
.....J				04-176	JACK/TF	.....			
NC				400	GRD04176				
NC				401	GRD04176				
NC				410	GRD04176				
NC				411	GRD04176				
NC				412	GRD04176				
NC				444	GRD04176				
NC				500	GRD04176				
NC				501	GRD04176				
NC				510	GRD04176				
NC				511	GRD04176				
NC				512	GRD04176				
NC				544	GRD04176				

CAD 018

BUS TERMINATING RESISTORS

—TO CONNECTION—					—FROM CONNECTION—				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-152A	BTR-CP	.....			
NC				201	GRDDMAR0	04-064	CP 201		
NC				202	DESAQ	04-152	CP 202		
NC				203	INITPC0	04-064	CP 203		
NC				204	DMARDO	04-064	CP 204		
NC				301	GRDDMAW0	04-064	CP 301		
NC				302	DINTR0	04-152	CP 302		
NC				303	EMDINT0	04-064	CP 303		
NC				304	DMAWT0	04-064	CP 304		

CAD 019

BUS TERMINATING RESISTORS

—TO CONNECTION—					—FROM CONNECTION—				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-168A	BTR-CP	.....			
NC				232					
NC				233					
NC				234	0SYNCN	04-048	CP 234		
NC				235	0CLKN	04-048	CP 235		
NC				236	0TDATAN	04-048	CP 236		
NC				237	0RDATAN	04-048	CP 237		
NC				239	1SYNCN	04-048	CP 239		
NC				240	1CLKN	04-048	CP 240		
NC				241	1TDATAN	04-048	CP 241		
NC				242	1RDATAN	04-048	CP 242		
NC				243					
NC				332					
NC				333					
NC				334	0SYNCP	04-048	CP 334		
NC				335	0CLKP	04-048	CP 335		
NC				336	0TDATAP	04-048	CP 336		
NC				337	0RDATAP	04-048	CP 337		
NC				338					
NC				339	1SYNCP	04-048	CP 339		
NC				340	1CLKP	04-048	CP 340		
NC				341	1TDATAP	04-048	CP 341		
NC				342	1RDATAP	04-048	CP 342		
NC				343					

MESSAGE SWITCH PERIPHERAL UNIT	DWG SIZE C2	ISSUE 3D
AT&T BELL LABORATORIES	SD-5D136-01	GB9