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	B#2CA	B2CA	6
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FS 3 DATA	B#3AA	B3AA	6
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	B#3CA	B3CA	6
	B#3CB	B3CB	6
	B#3CC	B3CC	6
	B#3GA	B3GA	6
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CONTENTS	PRIOR TO ISS. 6	SHEET NO.	SHEET ISSUE
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	B#4CB	B4CB	6
	B#4GA	B4GA	6
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EQUIPMENT NOTES	D#1	D2A	6
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CAD NOTES	GB1	GB1	6
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	GB3	GB3	6
CAD 002,003,004,005,006, 007, P/O 008	GB4	GB4	6
CAD P/O 008, CAD 009,010,011	GB5	GB5	6
CAD 012	GB6	GB6	6
CAD 013,014	GB7	GB7	6
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2A	APP 1A	12-84		
3D	APP 2D	12-84		
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6B	2D APP 1B	7-8-87		

USED ON

FRAME SD	PROJECT	CONT
SD-5D117-01	TIME MULTIPLEXED SWITCH CIRCUIT	IH

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWING	J50001AA-1
CPS-#	

SCHEMATICS OF ALL TN-CODE CIRCUIT PACKS USED IN THIS CIRCUIT ARE SHOWN ON DRAWINGS NUMBERED WITH A CPS PREFIX FOLLOWED BY THE CODE OF THE PACK AS CPS-TN292.

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.

AT13

5ESS® SWITCHING EQUIPMENT

TIME MULTIPLEXED SWITCH CONTROL UNIT CIRCUIT

® TRADEMARK OF AT&T TECHNOLOGIES

DWG SIZE 65 | ISSUE 6B

AT&T BELL LABORATORIES | SD-5D037-01 | A1 30 SHEETS

E-M10 (6-76) PRINTED IN U.S.A.

DESIGNATION MNEMONICS INDEX

CM8S(0-5)	1/1	CONTROL BOARD (TN268) TO MATT BOX; STATUS BITS (0,1,2,3,4 OR 5).
CODEW(1-3)	1/1	CONTROL BOARD (TN268) TO CONTROL BOARD; WAIT STATE GENERATER OUTPUTS FOR WAIT STATES (1,2 OR 3).
COIOEN	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE BOARD (TN269) ; DATA ENABLE WHICH ENABLES THE TRANSFER OF DATA BETWEEN THESE TWO BOARDS.
COIMADPH	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE BOARD (TN269) AND MAINTENANCE BOARD (TN265); ADDRESS PARITY ON THE HIGH ADDRESS BYTE.
COIMADR(0-7)	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE BOARD (TN269), MAINTENANCE BOARD (TN265) AND MATT BOX; LOW BYTE ADDRESS BUS FOR LEADS (0,1,2,3,4,5,6 OR 7).
COIMBHEB	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE (TN269), MAINTENACE BOARD (TN265) AND MATT BOX; BUS HIGH ENABLE BUS.
COIMDAP(H,L)	1/1	CONTROL BOARD (TN268) INPUT/OUTPUT WITH TMS INTERFACE (TN269) AND MAINTENANCE BOARD (TN265); DATA PARITY (HIGH OR LOW) DATA BYTE.
COIMDA(00-15)	1/1	CONTROL BOARD (TN268) INPUT/OUTPUT WITH TMS INTERFACE (TN269), MAINTENANCE BOARD (TN265) AND MATT BOX; DATA BUS LEADS (00,01,02, 03,04,05,06,07,08,09,10,11,12, 13,14 OR 15).
COIMDTR	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE (TN269) AND MAINTENANCE BOARD (TN265); DATA TRANSMIT/RECEIVE.
COIMIOB	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE (TN269) AND MAINTENANCE BOARD (TN265); INPUT/OUTPUT BUS ENABLE.
COIMREAD	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE (TN269), MAINTENANCE BOARD (TN265) AND MATT BOX; MICROPROCESSOR READ.
COIMRSB0	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE (TN269) AND MAINTENANCE BOARD (TN265); POWER UP RESET, ACTIVE LOW.
COIMWRT	1/1	CONTROL BOARD (TN268) TO TMS INTERFACE (TN269), MAINTENANCE BOARD (TN265) AND MATT BOX; MICROPROCESSOR WRITE.
COM(AD,D)PE	1/1	CONTROL BOARD (TN268) TO MAINTENANCE BOARD (TN265); (ADDRESS OR DATA) PARITY ERROR.
COMINTRA	1/1	CONTROL BOARD (TN268) TO MAINTENANCE BOARD (TN265); INTERRUPT ACKNOWLEDGE.
COMMIOB	1/1	CONTROL BOARD (TN268) TO MAINTENANCE A BOARD (TN265) AND MATT BOX; MEMORY INPUT/OUTPUT BUS ENABLE.
COMRDYER	1/1	CONTROL BOARD (TN268) TO MAINTENANCE BOARD (TN265); MICROPROCESSOR READY TIME OUT ERROR.
FALMIOT	4/1	POWER ALARM TO FAN UNIT.
FALMOT	4/1	POWER ALARM CIRCUIT OUT TO FAN UNIT.
GRD04(026-178)	FS 1-4	BACKPLANE GROUND PLANE.
IOBUS(Y,YR)	1/2	TMS INTERFACE (TN269) TMS BUSY (OR RETURN HALF OF TWISTED PAIR) TO FPC VIA MI (TN259) IN MSGS.
IOEVN(T,TR)	1/2	TMS INTERFACE (TN269) EVENT (OR RETURN HALF OF TWISTED PAIR) USED BY MAINTENANCE AUDITS TO SIGNAL FPC OF AN EVENT IN THE TMS. IOEVN(T,TR) SENT TO FPC VIA MI (TN259) IN MSGS.
IOINTR(P,PR)	1/2	TMS INTERFACE (TN269) TMS ERROR INTERRUPT (OR RETURN HALF OF THE TWISTED PAIR) TO FPC VIA MI (TN259) IN MSGS.
IORCV(D,DR)	1/2	TMS INTERFACE (TN269) RECEIVED DATA (OR RETURN HALF OF THE TWISTED PAIR) FROM THE TMS RECEIVED BY THE FPC VIA MI (TN259) IN MSGS.
IOCXRSET	1/2	TMS INTERFACE (TN269) TO CONTROL BOARD (TN268); EXTERNAL RESET CONTROLLED BY FPC WITH RESET PULSE OR MESSAGE.
IOKCLRE1	1/2	TMS INTERFACE (TN269) TO CLOCK INTERFACE (TN270); CLEAR ERROR FLIP FLOP ON TN270, ACTIVE HIGH.
IOMADPE	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); ADDRESS PARITY ERROR.
IOMCNTIO	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); CONTROL INTERRUPT TO NOTIFY MICROPROCESSOR OF OPCODE THAT REQUIRES ITS ACTION. ACTIVE LOW SIGNAL.
IOMERCLK	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); ERROR CLOCK LEAD USE TO CLOCK IOMADPE ERROR ON TN265.
IOMFPCER	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); ERROR ON DATA RECEIVED FROM FPC.
IOMFPSHO	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); NOTIFING MICROPROCESSOR OF FPC TO SHELF INTERFACE (TN244) MESSAGE. ACTIVE LOW SIGNAL.
IOMINVMR	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265);INVALID MAINTENANCE REQUEST ERROR LEAD.
IOMLIC1O	1/2	TMS INTERFACE (TN269) TO MESSAGE LINK INTERFACE (TN252); CONTROL DATA INPUT/OUTPUT LEAD.
IOMLIGTO	1/2	TMS INTERFACE (TN269) TO MESSAGE LINK INTERFACE (TN252); GATE LEAD FOR GATING IOMLIC1O MESSAGES.
IOMOPCIN	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); OPCODE INVALID ERROR ON OPCODES SENT BY FPC.
IOMRSET1	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); RESET FROM FPC, ACTIVE HIGH.
IOMSHLER	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); OPCODE ERROR ON MESSAGE ECHOED BACK FROM SHELF INTERFACE (TN244).
IOMSHPER	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); PARITY ERROR ON DATA RECEIVED FROM SHELF INTERFACE (TN244).
IOMSLFTM	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); SHELF TIME OUT ON MESSAGE SENT TO SHELF INTERFACE (TN244).
IOMTMSIO	1/2	TMS INTERFACE (TN269) TO MAINTENANCE BOARD (TN265); INTERRUPT TO MICROPROCESSOR STATING THAT MICRO MESSAGE TO SHELF COMPLETE, ACTIVE LOW.
IOS(0-3)CIO	1/2	TMS INTERFACE (TN269) TO SHELF INTERFACE (TN244) ON SHELF (0,1,2 OR 3); CONTROL INPUT/OUTPUT MESSAGES.
IOS(0-3)GTO	1/2	TMS INTERFACE (TN269) TO SHELF INTERFACE (TN244); ON SHELF GATE LEAD FOR GATING CONTROL IO MESSAGES,ACTIVE LOW SIGNAL.
IOTCIO	1/2	TMS INTERFACE (TN269) TO TEST BOARD (TN267); CONTROL INPUT /OUTPUT MESSAGES.
IOTGTO	1/2	TMS INTERFACE (TN269) TO TEST BOARD (TN267); GATE LEAD FOR GATING IOTCIO MESSAGE, ACTIVE LOW SIGNAL.
KID(C,S)8KS1	1/6	CLOCK INTERFACE (TN270) ELEMENT INTERCONNECT FOR NET DELAYED (FOR CONTROL UNIT PACKS OR SHELF PACKS) 8 KHZ. SYNC PULSE, TRUE OUTPUT.
KID16ME1	3/3	CLOCK INTERFACE (TN270) ELEMENT INTERCONNECT FOR NET DELAYED 16 MHZ. ECL SIGNAL, TRUE OUTPUT.

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: C2 | ISSUE: 6B

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DESIGNATION MNEMONICS INDEX

KI16MECO	1/6	CLOCK INTERFACE (TN270) ELEMENT INTERCONNECT FOR NET 16 MHZ. ECL SIGNAL, COMPLIMENTED OUTPUT.
KI2MECL1	1/6	CLOCK INTERFACE (TN270) ELEMENT INTERCONNECT FOR NET 2 MHZ. ECL SIGNAL, TRUE OUTPUT.
KOMEDER1	1/6	CLOCK INTERFACE (TN270) TO MAINTENANCE BOARD (TN265); ENERGY DETECTOR ERROR, ACTIVE HIGH.
KOMSLP1	1/6	CLOCK INTERFACE (TN270) TO MAINTENANCE BOARD (TN265); SLIP ERROR, ACTIVE HIGH.
KOOTT(M8K,8KR)	1/6	CLOCK INTERFACE (TN270) TO NETWORK CLOCK IN MICU, TMS GENERATED (8KH2 SIGNAL OR THE RETURN HALF OF THAT TWISTED PAIR).
KO16M(0,1) (F0-3,ML,TB)	2/1,3/3	CLOCK INTERFACE (TN270) 16MHZ CLOCK SIGNALS (0 OR 1 HALF OF TWISTED PAIR) TO (FANOUT BOARD (UN74) ON SHELF 0,1,2 OR 3, OR MLI (TN252) OR TEST BOARD (TN267).
KO2M(0,1) (S0-3,I,M)	2/1,1/6	CLOCK INTERFACE (TN270) 2MHZ CLOCK SIGNALS (0 OR 1 HALF OF TWISTED PAIR) TO (SHELF INTERFACE (TN244) ON SHELF 0,1,2 OR 3, OR TMS INTERFACE (TN269) OR MAINTENANCE BOARD (TN265)).
KO8K(0,1) (F0-3,ML,TB)	2/1,3/3	CLOCK INTERFACE (TN270) 8KH2 SYNC PULSE TO (FANOUT BOARD (UN74) ON SHELF 0,1,2 OR 3, OR MESSAGE LINK INTERFACE (TN252) OR TEST BOARD (TN267)).
MADPERR1	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECTION FOR ADDRESS PARITY ERROR, ACTIVE HIGH.
MALPERR0	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET LINK PARITY ERROR, ACTIVE LOW.
MBCHOLD	1/1	MATT BOX TO CONTROL BOARD (TN268); HOLD SIGNAL TO MICROPROCESSOR TELLING IT TO RELINQUISH THE BUS.
M(B,D,E)TMS16I	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET (B,D OR E)TMS DERIVED CLOCK DISTRIBUTING 16 MHZ. WITHIN THE BOARD.
MLABAD(F,G)1	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET BAD (F OR G) BIT, ACTIVE HIGH.
MLAFABP1	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET FABRIC PARITY ERROR, ACTIVE HIGH.
MLAOOF1	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET OUT OF FRAME ERROR, ACTIVE HIGH.
MLCLR0	1/5	MESSAGE LINK INTERFACE (TN252) CLEAR ACTIVE LOW (TEST VECTOR ACCESS).
MLCONREG	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET CONTROL REGISTER, WHICH ALLOWS THE CLOCKING OF THE CONTROL REGISTER.
MLHI	1/5	MESSAGE LINK INTERFACE (TN252) HI FOR TEST VECTOR ACCESS.
MLIMERR1	1/5	MESSAGE LINK INTERFACE (TN252) TO MAINTENANCE BOARD (TN265); ERROR SIGNAL, ACTIVE HIGH.
MLIRCVA	3/5	MESSAGE LINK INTERFACE (TN252) RECEIVE INPUT FROM OPTIC RECEIVER A.
MLIXMIT8	3/2	MESSAGE LINK INTERFACE (TN252) OUTPUT TO OPTIC TRANSMITTER B.
MLMR(0-7)	1/5	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET MAINTENANCE REGISTER OUTPUT NET (0,1,2,3,4,5,6 OR 7).
MLRA(0-7)	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET RAM ADDRESS OUTPUT NET (0,1,2,3,4,5,6 OR 7).
MLRFOA	3/5	MESSAGE LINK OPTIC RECEIVER A FIBER OPTIC INPUT.
MLSLOP0	3/2	MESSAGE LINK INTERFACE (TN252) ELEMENT INTERCONNECT FOR NET SHIFT/LOAD OUTPUT DATA PULSE, WHICH IS USED FOR LOADING THE DATA SHIFT REGISTERS.
MLXF08	3/4	MESSAGE LINK OPTIC TRANSMITTER B FIBER OPTIC OUTPUT.
ML(0,1)(A,B) OTF(0-3)	3/2	MESSAGE LINK INTERFACE (TN252) (0 OR 1 HALF OF TWISTED PAIR)(A OR B DATA STREAM) OUT TO FANOUT BOARD (UN74) IN SHELF (0,1,2 OR 3).
MOCINM1	1/3	MAINTENANCE BOARD (TN265) TO CONTROL BOARD (TN268) AND TMS INTERFACE (TN269); NON MASKABLE INTERRUPT TO MICROPROCESSOR AND TO FPC.
MOCINTR	1/3	MAINTENANCE BOARD (TN265) TO CONTROL BOARD (TN268); INTERRUPT LEAD TO MICROPROCESSOR.
MOIDP(H,L)TS	1/3	MAINTENANCE BOARD (TN265) TO TMS INTERFACE (TN269); DATA PARITY (HIGH BYTE OR LOW BYTE) TEST.
MOIT(FPC,SH)P	1/3	MAINTENANCE BOARD (TN265) TO TMS INTERFACE (TN269); TEST FOR (FPC OR SHELF) PARITY.
MOITSID	1/3	MAINTENANCE BOARD (TN265) TO TMS INTERFACE (TN269); TEST FOR SHELF ID.
MOKI10	1/3	MAINTENANCE BOARD (TN265) TO CLOCK INTERFACE (TN270); INHIBIT REFERENCE INPUT, ACTIVE LOW.
MOKIO1	1/3	MAINTENANCE BOARD (TN265) TO CLOCK INTERFACE (TN270); INHIBIT TMS CLOCK OUTPUT, ACTIVE HIGH.
NCIN8K(RF,RR)	1/6	NETWORK CLOCK INPUT 8KHZ (REFERENCE OR REFERENCE RETURN HALF OF TWISTED PAIR) TO CLOCK INTERFACE (TN270).
DOS(3B,R)	4/1	TMS OUT OF SERVICE TO (3B OR RETURN HALF OF THAT TWISTED PAIR).
PCIGO(T,TR)	1/2	FPC VIA MI (TN259) IN MSGS, INPUT TO TMS INTERFACE (TN269); GO TMS SIGNAL (OR THE RETURN HALF OF THAT TWISTED PAIR).
PCIRSE(T,TR)	1/2	FPC VIA MI (TN259) IN MSGS INPUT TO TMS INTERFACE (TN269); INPUT RESET (OR RETURN HALF OF TWISTED PAIR).
PCISEL(T,TR)	1/2	FPC VIA MI (TN259) IN MSGS INPUT TO TMS INTERFACE (TN269); SELECT TMS LEAD OR (RETURN HALF OF TWISTED PAIR.)
PCITRC(K,KR)	1/2	FPC VIA MI (TN259) IN MSGS INPUT TO TMS INTERFACE (TN269); TRANSMIT CLOCK OR (RETURN HALF OF THAT TWISTED PAIR) FOR TMS/FPC COMMUNICATION.
PCIXMT(D,OR)	1/2	FPC VIA MI (TN259) IN MSGS INPUT TO TMS INTERFACE (TN269); TRANSMIT DATA TO TMS OR (RETURN HALF OF THAT TWISTED PAIR).
RQIP3(B,BR)	4/1	REQUEST IN PROGRESS TO 3B OR (RETURN HALF OF THAT TWISTED PAIR).
RS(1-3)	4/1	REMOTE START (1,2 OR 3) TO ALL POWER CONVERTERS FROM SN412.
SC(X,Y)(3B,R)	4/1	SCAN POINTS (X OR Y)(TO 3B OR THE RETURN HALF OF THAT TWISTED PAIR).
SCZ(3B,R)	4/1	SCAN POINT Z TO 3B OR RETURN HALF OF TWISTED PAIR.
S(0-3)MOERR1	1/3	SHELF INTERFACE (TN244) ON SHELF (0,1,2 OR 3) TO MAINTENANCE BOARD (TN265); ERROR LEAD, ACTIVE HIGH.
TB(0,1)(A,B) DTF(0-3)	3/1	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) (0 OR 1 HALF OF TWISTED PAIR)(A OR B DATA STREAM) OUT TO FANOUT BOARD (UN74) ON SHELF (0,1,2 OR 3).
TRD(DA07,DB23, ECTR,ESR)0	3/1	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NETS READ (DA07, WHICH ARE DATA LEADS 0 THROUGH 7, OR DB23, WHICH ARE DATA LEADS 8 THROUGH 23, OR ECTR, WHICH IS THE ERROR COUNTER, OR ESR, WHICH IS THE ERROR SOURCE REGISTER), ACTIVE LOW SIGNALS.
TOBADID1	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET BAD BOARD ID, ACTIVE HIGH.
TODA(0-23)	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET DATA LEADS (0,1,2,3,4,5,6,7,8,9,10, 11,12,13,14,15,16,17,18,19, 20,21,22 OR 23).
TOGDPAR0	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET GOOD PARITY , ACTIVE LOW.
TOHI(0,1)1	3/1	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET HIGH (0 OR 1), WHICH IS USED TO TIE UNUSED INPUTS OF GATES HIGH.
TOLOAD0	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET LOAD0 WHICH IS USED TO DISABLE THE CLOCK FOR THE CONTROL BUS SHIFT REGISTERS, ACTIVE LOW SIGNAL.
TOLOAD1	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET LOAD1 WHICH IS USED TO PARALLEL LOAD THE CONTROL BUS SHIFT REGISTERS , AND ALSO IS USED TO GATE BAD PARITY INTO THE ERROR SOURCE REGISTER. ACTIVE HIGH SIGNAL.
TOMERR1	3/1	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) TO MAINTENANCE BOARD (TN265); ERROR LEAD ACTIVE HIGH.
TODPCD(0-3)	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET OPCODE (0,1 ,2 OR 3).
TOSTART1	1/4	TEST BOARD (TN267) OPT(X) OR TN1575 OPT(W) ELEMENT INTERCONNECT FOR NET START, WHICH ENABLES LOAD1 AND LOAD0 NETS, AND ALSO IS NEEDED FOR OPCODE DECODING.
X(0,1)MLTSP0	3/2	FABRIC BOARD (TN242) (0 OR 1 HALF OF THE TWISTED PAIR) TO MESSAGE LINK INTERFACE (TN252); TIME SLOT PARITY.
X(0,1)(0,1) (A,B)INML	3/2	FABRIC BOARD (TN242) (0 OR 1 HALF OF THE TWISTED PAIR) ON SHELF (0 OR 1),(A OR B DATA STREAM) INTO THE MESSAGE LINK INTERFACE (TN252).

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
C2	6B

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APPARATUS INDEX

EQUIP LOC	APP NO.	FIGURE SH NO.
CIRCUIT PACKS		
04-008	1	C1
04-052	1	C1
04-060	1	C1
04-068	1	C1
04-076	1	C1
04-076	1	C1
04-086	1	C1
04-096	1	C1
DESIG		
MAINT	1	C1
PWRCONDS	1	C1
TMSCONT	1	C1
TMSINT	1	C1

DESIG	LOCATION FS/SYM	APPFIC	EQPT
CIRCUIT PACK-CP			
CKCONGN	1/6	1	04-096
CLKDIST	2/1	1	04-096
MAINT	1/3	1	04-068
MLICONT	1/5	1	04-086
MLIID	3/2	1	04-086
PWRCONDS	4/1	1	04-008
TBMLICK	3/3	1	04-096
TMSCONT	1/1	1	04-060
TMSINT	1/2	1	04-052
TSTCONT	1/4	1	04-076
TSTCONT	1/4	1	04-076
TSTDATA	3/1	1	04-076
TSTDATA	3/1	1	04-076
CONVERTER			
PWR-5	4/3	1	04-178
PWR+5	4/2	1	04-026

DESIG	LOCATION FS/SYM	CAD
3B10P		
DOS38	4/1	002
DOSR	4/1	002
RQIP3B	4/1	002
RQIP3BR	4/1	002
SCX38	4/1	002
SCXR	4/1	002
SCY38	4/1	002
SCYR	4/1	002
SCZ38	4/1	002
SCZR	4/1	002
FAN FUSE ALARM		
FALMOT	4/1	006
FUSE PANEL		
-48ARTN	4/2	
-48BRTN	4/3	014
-48CA	4/2	014
-48CB	4/3	014
ALMOT	4/2	006
MESSAGE INTERFACE/CLOCK UNIT		
IOBUSY	1/2	003
IOBUSYR	1/2	003
IOEVNT	1/2	003
IOEVNTR	1/2	003
IOINTRP	1/2	003
IOINTRPR	1/2	003
IORCVD	1/2	003
IORCVDR	1/2	003
KOOTT8KR	1/6	005
KOOTTM8K	1/6	005
MLRFOA	3/5	004
MLXFOB	3/4	004
NCIN8KRF	1/6	005
NCIN8KRR	1/6	005
PCIGOT	1/2	003
PCIGOTR	1/2	003
PCIRSET	1/2	003
PCIRSETR	1/2	003
PCISELT	1/2	003
PCISELTR	1/2	003
PCITRCK	1/2	003
PCITRCKR	1/2	003
PCIXMTD	1/2	003
PCIXMTDR	1/2	003
TIME MULTIPLEXED SWITCH UNIT		
+5	4/3	
+48MLIA	4/2	014
-CURPRCM	1/2	007
+CURPRCM	1/2	007
+OOSIN	4/1	007
+OOSOT	4/3	007
ALMIN	4/1	007
ALMOT	4/3	007
CAADIN	4/1	007
CAADOT	4/3	007
GRD04052	1/2	006

LEAD INDEX

DESIG	LOCATION FS/SYM	CAD
TIME MULTIPLEXED SWITCH UNIT (CONT)		
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04076	3/1	009
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04086	3/2	010
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04096	1/6	011
GRD04178	4/3	014
IOS0CIO	1/2	008
IOS0GTO	1/2	008
IOS1CIO	1/2	008
IOS1GTO	1/2	008
IOS2CIO	1/2	008
IOS2GTO	1/2	008
IOS3CIO	1/2	008
IOS3GTO	1/2	008
KO2M0S0	2/1	011
KO2M0S1	2/1	011
KO2M0S2	2/1	011
KO2M0S3	2/1	011
KO2M1S0	2/1	011
KO2M1S1	2/1	011
KO2M1S2	2/1	011

DESIG	LOCATION FS/SYM	CAD
TIME MULTIPLEXED SWITCH UNIT (CONT)		
K02M1S3	2/1	011
K08K0F0	2/1	011
K08K0F1	2/1	011
K08K0F2	2/1	011
K08K0F3	2/1	011
K08K1F0	2/1	011
K08K1F1	2/1	011
K08K1F2	2/1	011
K08K1F3	2/1	011
K016M0F0	2/1	011
K016M0F1	2/1	011
K016M0F2	2/1	011
K016M0F3	2/1	011
K016M1F0	2/1	011
K016M1F1	2/1	011
K016M1F2	2/1	011
K016M1F3	2/1	011
MLOAOTF0	3/2	010
MLOAOTF1	3/2	010
MLOAOTF2	3/2	010
MLOAOTF3	3/2	010
MLOBOTF0	3/2	010
MLOBOTF1	3/2	010
MLOBOTF2	3/2	010
MLOBOTF3	3/2	010
ML1AOTF0	3/2	010
ML1AOTF1	3/2	010
ML1AOTF2	3/2	010
ML1AOTF3	3/2	010
ML1BOTF0	3/2	010
ML1BOTF1	3/2	010
ML1BOTF2	3/2	010
ML1BOTF3	3/2	010
RS1	4/1	007
RS2	4/1	007
RS3	4/1	007
S0M0ERR1	1/3	008
S1M0ERR1	1/3	008
S2M0ERR1	1/3	008
S3M0ERR1	1/3	008
TB0AOTF0	3/1	009
TB0AOTF1	3/1	009
TB0AOTF2	3/1	009
TB0AOTF3	3/1	009
TB0BOTF0	3/1	009
TB0BOTF1	3/1	009
TB0BOTF2	3/1	009
TB0BOTF3	3/1	009
TB1AOTF0	3/1	009
TB1AOTF1	3/1	009
TB1AOTF2	3/1	009
TB1AOTF3	3/1	009
TB1BOTF0	3/1	009
TB1BOTF1	3/1	009
TB1BOTF2	3/1	009
TB1BOTF3	3/1	009
X0MLTSP0	3/2	010
X1MLTSP0	3/2	010
X00AINML	3/2	010
X00BINML	3/2	010
X01AINML	3/2	010
X01BINML	3/2	010
X10AINML	3/2	010
X10BINML	3/2	010

DESIG	LOCATION FS/SYM	CAD
TIME MULTIPLEXED SWITCH UNIT (CONT)		
X11AINML	3/2	010
X11BINML	3/2	010

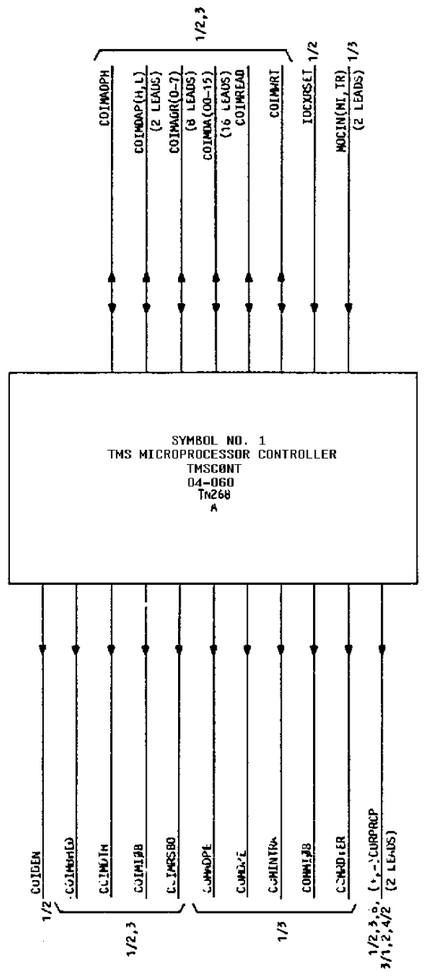
TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE C2 | ISSUE 6B

AT&T BELL LABORATORIES | SD-5D037-01 | A4

PART OF FS I

CONTROL
(P/O INTERCONNECTION & FLOW DIAGRAM)



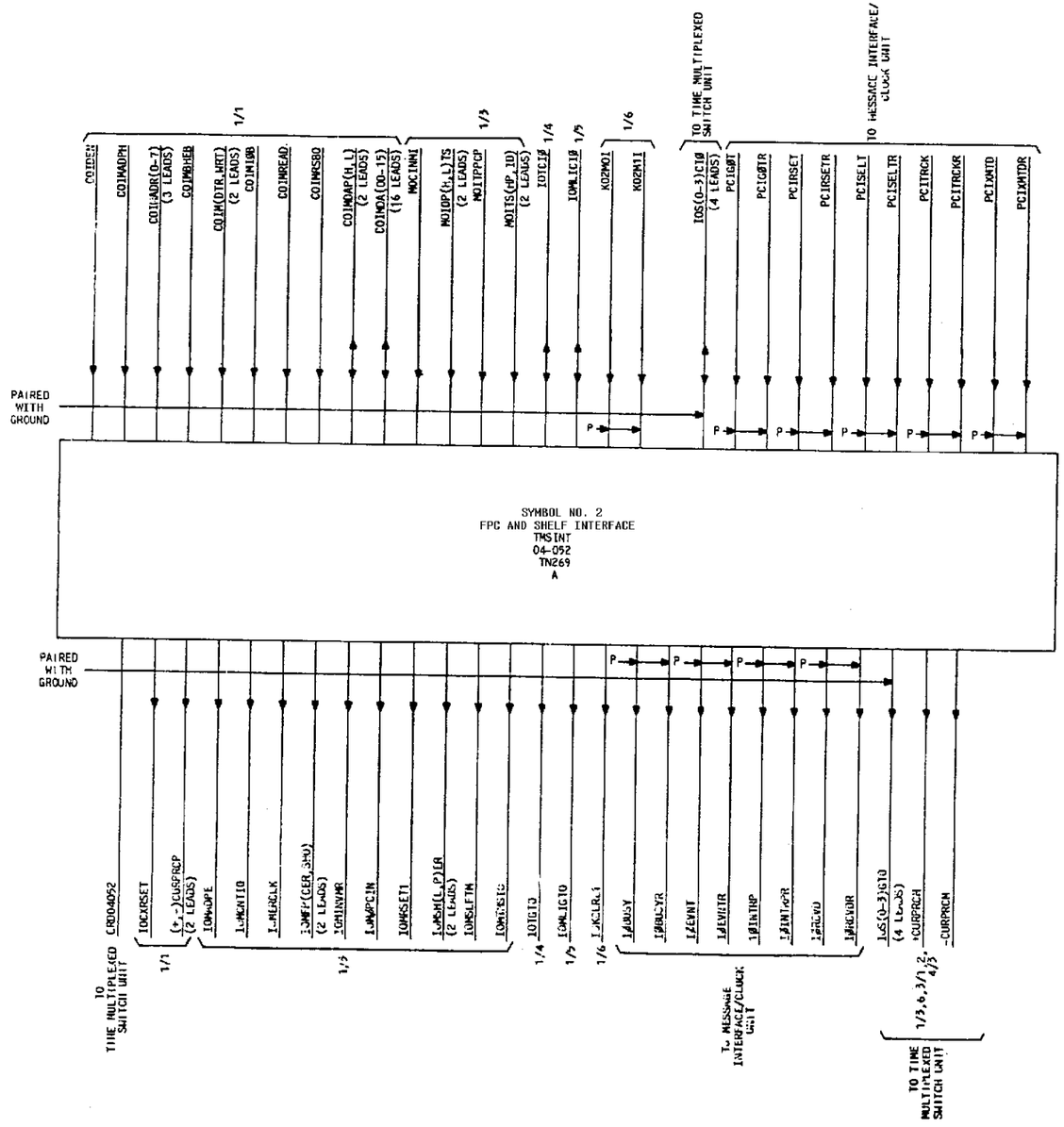
TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
65	6B

BELL LABORATORIES	SD-5D037-01	BIAA

PART OF FS I

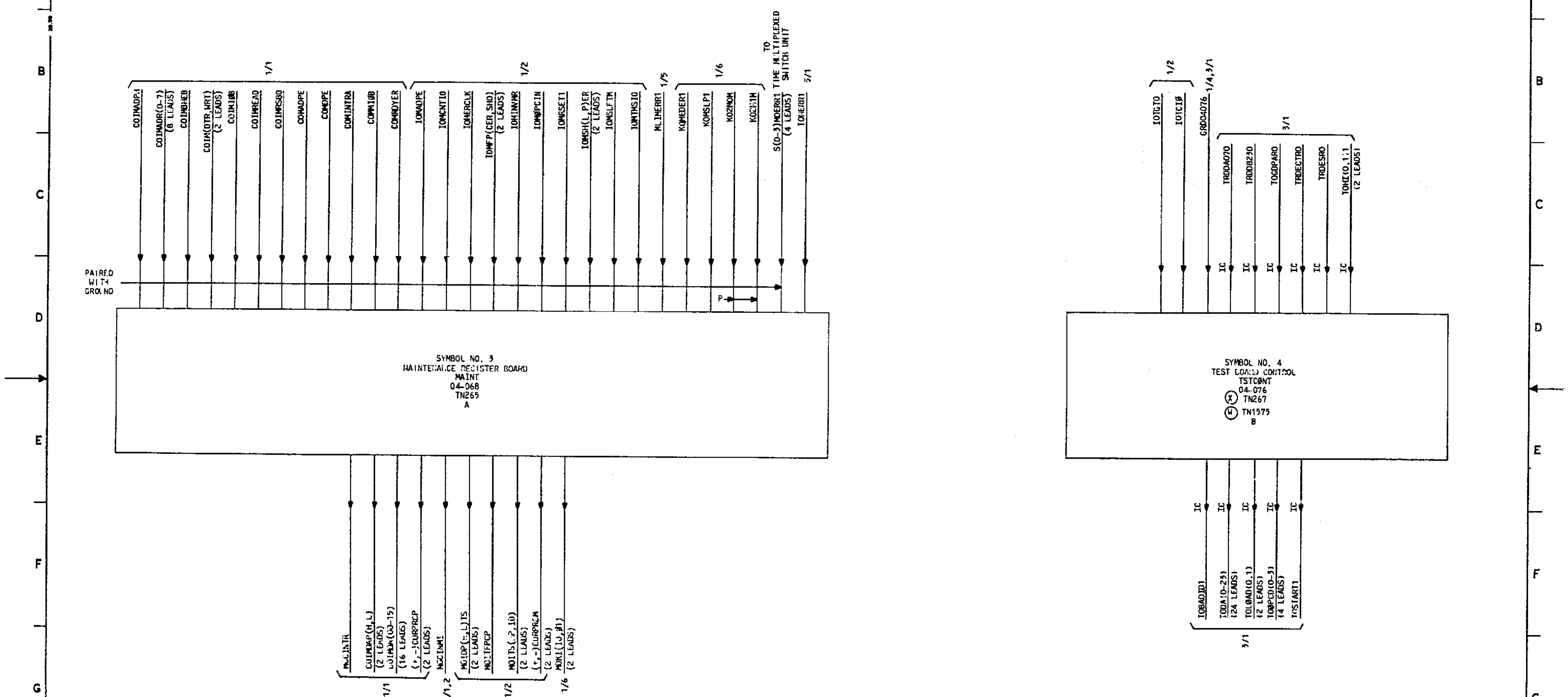
CONTROL
(P/O INTERCONNECTION & FLOW DIAGRAM)



TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE: bS	ISSUE: 68
AT&T BELL LABORATORIES	SD-5D037-01	BIAB

PART OF FS 1

CONTROL
(P/O INTERCONNECTION & FLOW DIAGRAM)

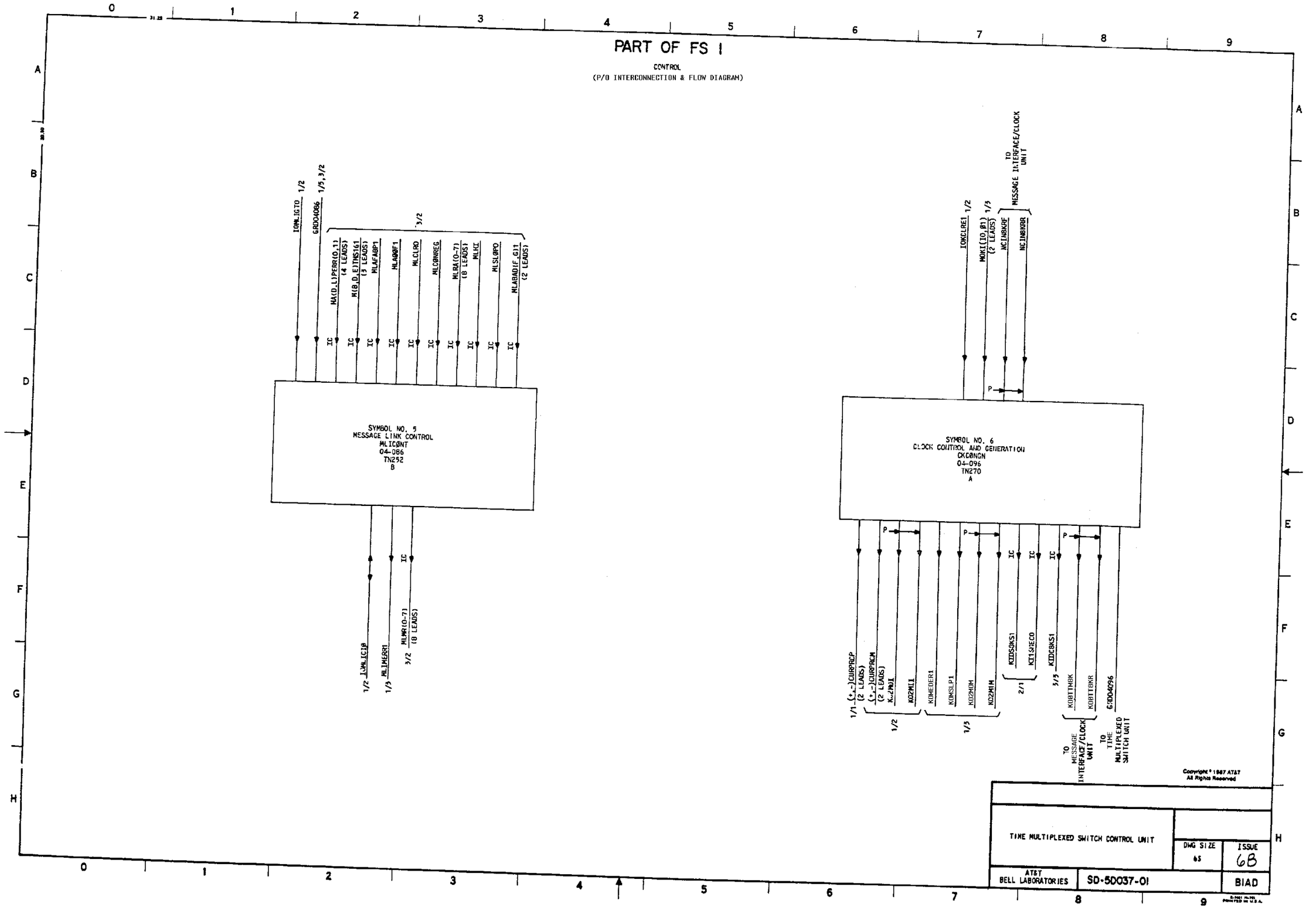


PAIRED WITH GROUND
SYMBOL NO. 3
MAINTENANCE REGISTER BOARD
MAINT
04-068
TN265
A
SYMBOL NO. 4
TEST BOARD CONTROL
TSTCØNT
04-076
TN267
TN1575
B
TO TIME MULTIPLEXED SWITCH UNIT
1/1
1/2
1/5
1/6
5/1
3/1
1/4,3/1
1/1,2
COIMADRP
COIMADR(0-7) (8 LEADS)
COIMBHEB
COIMADPE
COMDPE
COMINTRA
COMRDYER
IOMADPE
IOMCNTIO
IOMERCLK
IOMFP(CER,SHO) (2 LEADS)
IOMINHHR
IOMHPCIN
IOMRSET1
IOMSLFTM
IOMTMSIO
MLIMERR1
KOMEDER1
KOMSLP1
KO2MOM
S(0-3)MOERR1 (4 LEADS)
TOMERR1
IOTGTO
GRDO4076
TRDDA070
TRDDB230
TOGDPARO
TRDECTRO
TRDESRO
TOBADID1
TODA(0-23) (24 LEADS)
TOLOAD(0,1) (2 LEADS)
TOBPCD(0-3) (4 LEADS)
TOSTART1
IC
P

TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE: 65	ISSUE: 6B
AT&T BELL LABORATORIES	SD-5D037-01	BIAC

PART OF FS 1

CONTROL
(P/O INTERCONNECTION & FLOW DIAGRAM)



TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE 65	ISSUE 6B
AT&T BELL LABORATORIES	SD-50037-01	BIAD

PART OF FS 1

CONTROL

SYMBOL NO. 1

TMS MICROPROCESSOR CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TMSCONT	04-060	TN268	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	MCEB	050			
	O	ADRPL	135			
	O	S6	238			
	O	S7	239			
	O	LOCK	316			
	O	IOWC	319			
	O	MWTC	320			
	O	WO	346			
	I	CSYNCT	212			
	I	IOXS	216			
	I	AEN	217			
	I	TEST	218			
	I	CLKCNT	219			
	I	EXTCLK	220			
	I	RCLR	221			
	I	VECCE	240			
	I	RPL080	243			
	I	RPL181	244			
	I	RPL282	245			
	I	RPL383	246			
	I	RPH084	247			
	I	RPH185	248			
	I	RPH286	249			
	I	RPH387	250			
	I	RMPCE0	251			
	I	PGM2732	253			
	I	VPP.DAT	254			
	I	PGM2764	255			
	I	RMPCE1	256			
	I	XDPEN.O	338			
	I	EXTMEM	353			
	I	WMEM	354			
*CURPRCP	OT	*CURPR	112			1/2,1/3 1/6,3/1 3/2 4/2
	I					
*5	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	PWR	+5	355			
	PWR	+5	356			
-CURPRCP	OT	-CURPR	012			1/2,1/3 1/6,3/1 3/2 4/2
	I					
CMBADR08	IO	ADR8	014			
CMBADR09	IO	ADR9	010			
CMBADR10	IO	ADR10	009			
CMBADR11	IO	ADR11	008			
CMBADR12	IO	ADR12	006			
CMBADR13	IO	ADR13	004			
CMBADR14	IO	ADR14	003			
CMBADR15	IO	ADR15	002			
CMBADR16	IO	ADR16	206			
CMBADR17	IO	ADR17	204			
CMBADR18	IO	ADR18	203			
CMBADR19	IO	ADR19	202			
CMBHLDAB	O	HOLDAB	048			
CMBMCLK	O	MCLK	322			

SYMBOL NO. 1 (CONT)

TMS MICROPROCESSOR CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TMSCONT	04-060	TN268	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CMBOS0	O	OS1	317			
CMBOS1	O	OS0	318			
CMBRDYB	O	RDYB	047			
CMBS0	O	S0	232			
CMBS1	O	S1	233			
CMBS2	O	S2	234			
CMBS3	O	S3	235			
CMBS4	O	S4	236			
CMBS5	O	S5	237			
COCW1	O	W1	345			
	I	WPROM	350			
	I	WRAM	351			
COCW2	O	W2	344			
	I	WIO	349			
COCW3	O	W3	343			
	I	WINT	348			
COIDEN	O	DEN	214		1/2	
COIMADPH	IO	ADRPH	116		1/2,1/3	
COIMADR0	IO	ADR0	033		1/2,1/3	
COIMADR1	IO	ADR1	032		1/2,1/3	
COIMADR2	IO	ADR2	021		1/2,1/3	
COIMADR3	IO	ADR3	020		1/2,1/3	
COIMADR4	IO	ADR4	019		1/2,1/3	
COIMADR5	IO	ADR5	018		1/2,1/3	
COIMADR6	IO	ADR6	017		1/2,1/3	
COIMADR7	IO	ADR7	016		1/2,1/3	
COIMBHEB	O	BHEB	035		1/2,1/3	
COIMDAPH	IO	DATPH	015		1/2,1/3	
COIMDAPL	IO	DATPL	034		1/2,1/3	
COIMDA00	IO	DAT0	134		1/2,1/3	
COIMDA01	IO	DAT1	133		1/2,1/3	
COIMDA02	IO	DAT2	132		1/2,1/3	
COIMDA03	IO	DAT3	121		1/2,1/3	
COIMDA04	IO	DAT4	120		1/2,1/3	
COIMDA05	IO	DAT5	119		1/2,1/3	
COIMDA06	IO	DAT6	118		1/2,1/3	
COIMDA07	IO	DAT7	117		1/2,1/3	
COIMDA08	IO	DAT8	115		1/2,1/3	
COIMDA09	IO	DAT9	110		1/2,1/3	
COIMDA10	IO	DAT10	109		1/2,1/3	
COIMDA11	IO	DAT11	108		1/2,1/3	
COIMDA12	IO	DAT12	106		1/2,1/3	
COIMDA13	IO	DAT13	104		1/2,1/3	
COIMDA14	IO	DAT14	103		1/2,1/3	
COIMDA15	IO	DAT15	102		1/2,1/3	
COIMDTR	O	DTR	215		1/2,1/3	
COIMIOB	O	IOB	046		1/2,1/3	
COIMREAD	IO	READ	210		1/2,1/3	
COIMRSB0	O	RESB	045		1/2,1/3	
COIMWRT	IO	WRIT	209		1/2,1/3	
COMADPE	O	ADPE	340		1/3	
COMDPE	O	DPE	339		1/3	
COMINTRA	O	INTRA	208		1/3	
COMMIOB	O	MIOB	049		1/3	
COMRDYER	O	RDYERR	347		1/3	
GRD04060	GRD	GRD	005			
	GRD	GRD	007			
	GRD	GRD	011			
	GRD	GRD	023			
	GRD	GRD	024			

SYMBOL NO. 1 (CONT)

TMS MICROPROCESSOR CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TMSCONT	04-060	TN268	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	041			
	GRD	GRD	042			
	GRD	GRD	052			
	GRD	GRD	105			
	GRD	GRD	107			
	GRD	GRD	111			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	141			
	GRD	GRD	142			
	GRD	GRD	152			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	205			
	GRD	GRD	207			
	GRD	GRD	211			
	GRD	GRD	213			
	GRD	GRD	223			
	GRD	GRD	224			
	GRD	GRD	241			
	GRD	GRD	242			
	GRD	GRD	252			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	305			
	GRD	GRD	307			
	GRD	GRD	313			
	GRD	GRD	323			
	GRD	GRD	324			
	GRD	GRD	341			
	GRD	GRD	342			
	GRD	GRD	352			
IOCXRSET	I	EXTRES	332		1/2	
MBCHOLD	I	HOLD	315			
MOCINMI	I	NONMI	304		1/3	
MOCINTR	I	INTR	314		1/3	

SYMBOL NO. 2

FPC AND SHELF INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TMSINT	04-052	TN269	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	SHLFC.0	010			
	O	JMPZ	040			
	O	MIRO	043			
	O	S0	044			
	O	ENB1	046			
	O	ENSER	047			
	O	EVLOOP	048			
	O	SHRVC	049			
	O	JMPRD	050			

SYMBOL NO. 2 (CONT)

FPC AND SHELF INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TMSINT	04-052	TN269	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	O	OPJP	051			
	O	BSYSEQ	053			
	O	ASW	054			
	O	PAPCHK	055			
	O	SVCR	056			
	O	A11S	114			
	O	AP	139			
	O	RESP	145			
	O	STOP	151			
	O	FPML	154			
	O	SHCP	155			
	O	A10S	210			
	O	A9S	212			
	O	JMPPAR	244			
	O	JMPTM	250			
	O	SHLFG6	252			
	O	SHLFG7	253			
	O	SHLFP	254			
	O	SHEN	255			
	O	SHXMT	256			
	O	A8S	302			
	O	A7S.0	303			
	O	A6S.0	307			
	O	A5S	310			
	O	A4S	312			
	O	A3S	313			
	O	A2S	314			
	O	A1S	315			
	O	A0S	317			
	O	TSTHI	350			
	I	VECROM	140			
	I	CLKTMS	213			
	I	SHLFD6	352			
	I	SHLFD7	353			
*CURPRCM	OT	*CURPRM	113			1/3,1/6 3/1,3/2 4/3 TO TIME MULTIPLEXED SWITCH UNIT
	I					
*CURPRCP	OT	*CURPR	112			1/1
*5	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	PWR	+5	355			
	PWR	+5	356			
-CURPRCM	OT	-CURPRM	013			1/3,1/6 3/1,3/2 4/3 TO TIME MULTIPLEXED

PART OF FS 1

SYMBOL(S) 1 2

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
12	6B

AT&T BELL LABORATORIES	SD-5D037-01	B1CA

PART OF FS 1
CONTROL

SYMBOL NO. 2 (CONT)
FPC AND SHELF INTERFACE

DESIG: TMSINT — EQPT LOC: 04-052 — CODE: TN269 — ELEM IDENT: A — OPT:

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					SWITCH UNIT	
-CURPRCP	OT	-CURPR	012		1/1	
-5	PWR	-5	022			
	PWR	-5	122		4/2	
C01DEN	I	DEN	215		1/1	
C01MADPH	I	ADRPH	214		1/1	
C01MADR0	I	ADR0	032		1/1	
C01MADR1	I	ADR1	021		1/1	
C01MADR2	I	ADR2	020		1/1	
C01MADR3	I	ADR3	019		1/1	
C01MADR4	I	ADR4	018		1/1	
C01MADR5	I	ADR5	017		1/1	
C01MADR6	I	ADR6	016		1/1	
C01MADR7	I	ADR7	015		1/1	
C01MBHEB	I	BHEB	034		1/1	
C01MDAPH	IO	PARH	014		1/1	
C01MDAPL	IO	PARL	033		1/1	
C01MDA00	IO	DAT0	133		1/1	
C01MDA01	IO	DAT1	132		1/1	
C01MDA02	IO	DAT2	121		1/1	
C01MDA03	IO	DAT3	120		1/1	
C01MDA04	IO	DAT4	119		1/1	
C01MDA05	IO	DAT5	118		1/1	
C01MDA06	IO	DAT6	117		1/1	
C01MDA07	IO	DAT7	116		1/1	
C01MDA08	IO	DAT8	115		1/1	
C01MDA09	IO	DAT9	110		1/1	
C01MDA10	IO	DAT10	109		1/1	
C01MDA11	IO	DAT11	108		1/1	
C01MDA12	IO	DAT12	106		1/1	
C01MDA13	IO	DAT13	105		1/1	
C01MDA14	IO	DAT14	104		1/1	
C01MDA15	IO	DAT15	102		1/1	
C01MDTR	I	DTR	216		1/1	
C01MIOB	I	IOB	134		1/1	
C01MREAD	I	READ	206		1/1	
C01MRSB0	I	INIT.0	348		1/1	
C01MWRT	I	WRIT	205		1/1	
GRD04052	GRD	GRD	005			
	GRD	GRD	007			
	GRD	GRD	011			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	041			
	GRD	GRD	042			
	GRD	GRD	052			
	GRD	GRD	103			
	GRD	GRD	107			
	GRD	GRD	111			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	141			
	GRD	GRD	142			
	GRD	GRD	152			
	GRD	GRD	200		TO TIME MULTIPLEXED SWITCH UNIT	P/S3M0ERR1
	GRD	GRD	201			
	GRD	GRD	202			

SYMBOL NO. 2 (CONT)
FPC AND SHELF INTERFACE

DESIG: TMSINT — EQPT LOC: 04-052 — CODE: TN269 — ELEM IDENT: A — OPT:

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	203			
	GRD	GRD	204			
	GRD	GRD	207			
	GRD	GRD	208			
	GRD	GRD	209			
	GRD	GRD	211			
	GRD	GRD	217			
	GRD	GRD	218			
	GRD	GRD	219			
	GRD	GRD	222			
	GRD	GRD	223			
	GRD	GRD	224			
	GRD	GRD	245			
	GRD	GRD	246			
	GRD	GRD	247			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	306			
	GRD	GRD	311			
	GRD	GRD	316			
	GRD	GRD	321			
	GRD	GRD	344			
	GRD	GRD	345			
	GRD	GRD	349			
IOBUSY	O	BUSY	333		TO MESSAGE INTERFACE/CLOCK UNIT	P/IOBUSYR
IOBUSYR	O	BUSYR	233		TO MESSAGE INTERFACE/CLOCK UNIT	P/IOBUSY
IOEVNT	O	EVENT	234		TO MESSAGE INTERFACE/CLOCK UNIT	P/IOEVNTR
IOEVNTR	O	EVENTR	334		TO MESSAGE INTERFACE/CLOCK UNIT	P/IOEVNT
IOINTRP	O	INTRPT	332		TO MESSAGE INTERFACE/CLOCK UNIT	P/IOINTRPR
IOINTRPR	O	INTRPTR	232		TO MESSAGE INTERFACE/CLOCK UNIT	P/IOINTRP
IORCVD	O	RCVD	338		TO MESSAGE INTERFACE/CLOCK UNIT	P/IORCVDR
IORCVDR	O	RCVDR	238		TO MESSAGE INTERFACE/CLOCK UNIT	P/IORCVD
IOCXRSET	O	EXTRES	322		1/1	
IOKCLRE1	O	CLKRESET	221		1/6	
IOMADPE	O	ADPE1	138		1/3	
IOMCNTI0	O	CNTI.0	045		1/3	
IOMERCLK	O	ERCLK	035		1/3	
IOMFPCER	O	FPCERR	038		1/3	
IOMFPSH0	O	FPSHLF.0	146		1/3	
IOMINVMR	O	INVMR	144		1/3	
IOMLICI0	IO	SHLFD5	351		1/5	
IOMLIGT0	O	SHLFG5	251		1/5	
IOMOPCIN	O	OPCINV	137		1/3	
IOMRSET1	O	RESET.1	248		1/3	
IOMSHLER	O	SHLFER	135		1/3	
IOMSHPER	O	SHPERR	136		1/3	
IOMSLFTM	O	SHLFTM	036		1/3	
IOMTMSI0	O	TMSI.0	143		1/3	

SYMBOL NO. 2 (CONT)
FPC AND SHELF INTERFACE

DESIG: TMSINT — EQPT LOC: 04-052 — CODE: TN269 — ELEM IDENT: A — OPT:

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
IOS0CI0	IO	SHLFD0	324		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS0GT0	O	SHLFG0	323		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS1CI0	IO	SHLFD1	319		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS1GT0	O	SHLFG1	318		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS2CI0	IO	SHLFD2	309		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS2GT0	O	SHLFG2	308		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS3CI0	IO	SHLFD3	304		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOS3GT0	O	SHLFG3	303		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
IOTCI0	IO	SHLFDT	347		1/4	
IOTGT0	O	SHLFGT	346		1/4	
K02M0I	I	CLKTMS0	220		1/6	P/K02M1I
K02M1I	I	CLKTMS1	320		1/6	P/K02M0I
M0CINMI	I	NONMI	249		1/3	
M0IDPHTS	I	DPHTST	149		1/3	
M0IDPLTS	I	DPLTST	150		1/3	
M0ITFPCP	I	TSTFPCP	153		1/3	
M0ITSHP	I	TSTSHP	147		1/3	
M0ITSI0	I	TSTSI0	148		1/3	
PCIGOT	I	GOTMS	336		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCIGOTR
PCIGOTR	I	GOTMSR	236		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCIGOT
PCIRSET	I	RESET	240		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCIRSETR
PCIRSETR	I	RESETR	340		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCIRSET
PCISELT	I	SELTMS	237		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCISELTR
PCISELTR	I	SELTMSR	337		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCISELT
PCITRCK	I	TRCLK	339		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCITRCKR
PCITRCKR	I	TRCLKR	239		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCITRCK
PCIXMTD	I	XMITD	335		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCIXMTDR
PCIXMTDR	I	XMITDR	235		TO MESSAGE INTERFACE/CLOCK UNIT	P/PCIXMTD

PART OF FS 1
SYMBOL(S) 2

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: C2 — ISSUE: 6B

AT&T BELL LABORATORIES — SD-5D037-01 — B1CB

PART OF FS 1

CONTROL

SYMBOL NO. 3

MAINTENANCE REGISTER BOARD

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MAINT	04-068	TN265	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	TSDPH	051			
	O	TSDPM	052			
	O	TSDPL	053			
	O	TSAPHS	054			
	O	TSAPLS	055			
	O	APLTST	155			
	O	CERCE0.0	232			
	O	CERCE1.0	233			
	O	TPCER2.0	234			
	O	CESRNCE0	235			
	O	TPCER4.0	236			
	O	WINT.0	244			
	O	ERSESR.0	333			
	O	TPSES1.0	334			
	O	TPSES2.0	335			
	O	TPSES3.0	336			
	I	IRQ4.0	045			
	I	IRQ5.0	144			
	I	IRQ6.0	145			
	I	DTP1.0	237			
	I	DTP0.0	337			
+CURPRCM	OT	PCURPRM	113		1/2	
+CURPRCP	OT	PCURPR	112		1/1	
+5	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	PWR	+5	355			
	PWR	+5	356			
-CURPRCM	OT	MCURPRM	013		1/2	
-CURPRCP	OT	MCURPR	012		1/1	
-5	PWR	-5	022			
	PWR	-5	122			
COIMADPH	I	ADRPH	218		1/1	
COIMADR0	I	ADR0	032		1/1	
COIMADR1	I	ADR1	021		1/1	
COIMADR2	I	ADR2	020		1/1	
COIMADR3	I	ADR3	019		1/1	
COIMADR4	I	ADR4	018		1/1	
COIMADR5	I	ADR5	017		1/1	
COIMADR6	I	ADR6	016		1/1	
COIMADR7	I	ADR7	015		1/1	
COIMBHE8	I	BHE8	034		1/1	
COIMDAPH	IO	DATPH	014		1/1	
COIMDAPL	IO	DATPL	033		1/1	
COIMDA00	IO	DAT0	133		1/1	
COIMDA01	IO	DAT1	132		1/1	
COIMDA02	IO	DAT2	121		1/1	
COIMDA03	IO	DAT3	120		1/1	
COIMDA04	IO	DAT4	119		1/1	
COIMDA05	IO	DAT5	118		1/1	
COIMDA06	IO	DAT6	117		1/1	
COIMDA07	IO	DAT7	116		1/1	
COIMDA08	IO	DAT8	115		1/1	
COIMDA09	IO	DAT9	110		1/1	
COIMDA10	IO	DAT10	109		1/1	
COIMDA11	IO	DAT11	108		1/1	
COIMDA12	IO	DAT12	106		1/1	
COIMDA13	IO	DAT13	105		1/1	
COIMDA14	IO	DAT14	104		1/1	

SYMBOL NO. 3 (CONT)

MAINTENANCE REGISTER BOARD

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MAINT	04-068	TN265	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
COIMDA15	IO	DAT15	102		1/1	
COIMDTR	I	DTR	216		1/1	
COIMIOB	I	IOB	134		1/1	
COIMREAD	I	READ	206		1/1	
COIMRSB0	I	INIT.0B	146		1/1	
COIMWRT	I	WRITE	205		1/1	
COMADPE	I	ADPE	141		1/1	
COMDPE	I	DPE	140		1/1	
COMINTRA	I	INTA.0	248		1/1	
COMMIOB	I	MIO.0	049		1/1	
COMROYER	I	ROYERR	224		1/1	
GRD04068	GRD	GRD	005			
	GRD	GRD	007			
	GRD	GRD	011			
	GRD	GRD	023			
	GRD	GRD	024			
	GRD	GRD	040			
	GRD	GRD	050			
	GRD	GRD	103			
	GRD	GRD	107			
	GRD	GRD	111			
	GRD	GRD	123			
	GRD	GRD	124			
	GRD	GRD	139			
	GRD	GRD	142			
	GRD	GRD	152			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	202			
	GRD	GRD	203			
	GRD	GRD	204			
	GRD	GRD	207			
	GRD	GRD	208			
	GRD	GRD	209			
	GRD	GRD	238			
	GRD	GRD	250			
	GRD	GRD	254			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	338			
	GRD	GRD	350			
IOMADPE	I	ADPE1	138		1/2	
IOMCNT10	I	CNT1.0	148		1/2	
IOMERCLK	I	ERCLK	035		1/2	
IOMFPCER	I	FPCERR	038		1/2	
IOMFPSH0	I	FPSHLF.0	147		1/2	
IOMINVMR	I	INVMNTRQ	047		1/2	
IOMOPCIN	I	OPCINV	137		1/2	
IOMRSET1	I	RESET.1	348		1/2	
IOMSHLER	I	SHLFERR	135		1/2	
IOMSHPER	I	SHPERR	136		1/2	
IOMSLFTM	I	SHLFTM	036		1/2	
IOMTMS10	I	TMSI.0	143		1/2	
KOMEOER1	I	ERCLK1	253		1/6	
KOMSLP1	I	ERCLKO	251		1/6	
KO2M0M	I	CLK.0	342		1/6	P/KO2M1M
KO2M1M	I	CLK.1	341		1/6	P/KO2M0M
MLIMERR1	I	MLIER	346		1/5	
MOCINMI	O	NONMI	242		1/1,1/2	
MOCINTR	O	INTR	246		1/1	

SYMBOL NO. 3 (CONT)

MAINTENANCE REGISTER BOARD

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MAINT	04-068	TN265	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
M01DPHTS	O	DPHTST	153		1/2	
M01DPLTS	O	DPLTST	154		1/2	
M01TFPCP	O	TSTFPCP	149		1/2	
M01TSHP	O	TSTSHP	151		1/2	
M01TSID	O	TSTSID	150		1/2	
M0K110	O	ICLK10	353		1/6	
M0K101	O	ICLK01	351		1/6	
S0M0ERR1	I	SHLFE0	322		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
S1M0ERR1	I	SHLFE1	317		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
S2M0ERR1	I	SHLFE2	307		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
S3M0ERR1	I	SHLFE3	302		TO TIME MULTIPLEXED SWITCH UNIT	P/GRD04052
T0MERR1	I	SHLFET	345		3/1	

SYMBOL NO. 4

TEST BOARD CONTROL

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TSTCONT	04-076	TN267	B	(X)
TSTCONT	04-076	TN1575	B	(W)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	GDPAR0	006			
	O	BADID1	132			
	I	TST23VEC	IC			
	I	STRAP4	118			
	I	STRAP3	120			
	I	STRAP1	124			
	I	STRAP0	133			
	I	TST0VEC	137			
	I	TST2VEC	139			
GRD04076	I	STRAP2	121		1/4	
	I	TST1VEC	138		3/1	
I0TCIO	IO	INTTMS	153		1/2	
I0TGT0	I	GATE0	145		1/2	
TRDDA070	I	RDDA070	IC		3/1	
TRDD8230	I	RDDA8230	IC		3/1	
TRDECTR0	I	RDECTR0	IC		3/1	
TRDESR0	I	RDESR0	IC		3/1	
T0BADID1	O	BADID1	IC		3/1	
T0DA0	O	DA0	IC		3/1	
T0DA1	O	DA1	IC		3/1	
T0DA10	O	DA10	IC		3/1	
T0DA11	O	DA11	IC		3/1	
T0DA12	O	DA12	IC		3/1	
T0DA13	O	DA13	IC		3/1	
T0DA14	O	DA14	IC		3/1	
T0DA15	O	DA15	IC		3/1	
T0DA16	O	DA16	IC		3/1	

SYMBOL NO. 4 (CONT)

TEST BOARD CONTROL

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TSTCONT	04-076	TN267	B	(X)
TSTCONT	04-076	TN1575	B	(W)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
T0DA17	O	DA17	IC		3/1	
T0DA18	O	DA18	IC		3/1	
T0DA19	O	DA19	IC		3/1	
T0DA2	O	DA2	IC		3/1	
T0DA20	O	DA20	IC		3/1	
T0DA21	O	DA21	IC		3/1	
T0DA22	O	DA22	IC		3/1	
T0DA23	O	DA23	IC		3/1	
T0DA3	O	DA3	IC		3/1	
T0DA4	O	DA4	IC		3/1	
T0DA5	O	DA5	IC		3/1	
T0DA6	O	DA6	IC		3/1	
T0DA7	O	DA7	IC		3/1	
T0DA8	O	DA8	IC		3/1	
T0DA9	O	DA9	IC		3/1	
T0GOPAR0	I		IC		3/1	
T0HI01	I	HI01	IC		3/1	
T0HI11	I	HI11	IC		3/1	
T0LOAD0	O	LOAD0	IC		3/1	
T0LOAD1	O	LOAD1	IC		3/1	
T0OPCD0	O	OPCD0	IC		3/1	
T0OPCD1	O	OPCD1	IC		3/1	
T0OPCD2	O	OPCD2	IC		3/1	
T0OPCD3	O	OPCD3	IC		3/1	
T0START1	O	START1	IC		3/1	

PART OF FS 1
SYMBOL(S) 3 4

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
D2	6B

AT&T BELL LABORATORIES	SD-5D037-01	B1CC

PART OF FS 1

CONTROL

SYMBOL NO. 5

MESSAGE LINK CONTROL

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MLICONT	04-086	TN252	B	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	I	STRAP4	208			
	I	STRAP3	209			
	I	STRAP1	309			
GRD04086	I	TEST9	147		1/5	
	I	STRAP2	210		3/2	
	I	STRAP0	310		1/5	
IOMLICIO	IO	SHELF	312		1/2	
IOMLIGTO	I	GATEO	351		1/2	
MADPERR1	I	ADPERR1	IC		3/2	
MALPERR0	I	ALPERR0	IC		3/2	
MBTMS161	I	BTMS161	IC		3/2	
MDTMS161	I	DTMS161	IC		3/2	
METMS161	I	ETMS161	IC		3/2	
MLABADF1	I	ABADF1	IC		3/2	
MLABADG1	I	ABADG1	IC		3/2	
MLAFABP1	I	AFABPAR1	IC		3/2	
MLAODF1	I	AODF1	IC		3/2	
MLCLR0	I	CLEAR0	IC353		3/2	
MLCONREG	I	CONREG	IC		3/2	
MLHI	I	HI	IC322		3/2	
MLIMERR1	O	ERR1	212		1/3	
MLMR0	O	MR0	IC		3/2	
MLMR1	O	MR1	IC		3/2	
MLMR2	O	MR2	IC		3/2	
MLMR3	O	MR3	IC		3/2	
MLMR4	O	MR4	IC		3/2	
MLMR5	O	MR5	IC		3/2	
MLMR6	O	MR6	IC		3/2	
MLMR7	O	MR7	IC		3/2	
MLRA0	I	RA0	IC		3/2	
MLRA1	I	RA1	IC		3/2	
MLRA2	I	RA2	IC		3/2	
MLRA3	I	RA3	IC		3/2	
MLRA4	I	RA4	IC		3/2	
MLRA5	I	RA5	IC		3/2	
MLRA6	I	RA6	IC		3/2	
MLRA7	I	RA7	IC		3/2	
MLSLOP0	I	SLOP0	IC		3/2	

SYMBOL NO. 6

CLOCK CONTROL AND GENERATION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CKCONGN	04-096	TN270	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	D16MECL1	IC			
	O	TMSC2M0	310			
	O	TMSC2M1	311			
	I	TSTENAB	110			
+CURPRCM	OT	+CURPRM	113		1/2	
+CURPRCP	OT	+CURPR	112		1/1	
+5	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	PWR	+5	355			
	PWR	+5	356			
-CURPRCM	OT	-CURPRM	013		1/2	
-CURPRCP	OT	-CURPR	012		1/1	
-5	PWR	-5	022			
	PWR	-5	114			
	PWR	-5	122			
GRD04096	I	TA17A	007			
	I	TA17C	008			
	I	CLR1	009			
	I	TA18A	010			
	I	TA18B	014			
	I	TA18C	015			
	I	TA10A	016			
	I	TA10C	017			
	I	TA17B	107			
	I	TA17D	108			
	I	TSTIN	109			
	I	TALO	111			
	I	TA18D	115			
	I	TA10B	116			
	I	TA10D	117			
	GRD	GRD	003			
	GRD	GRD	004			
	GRD	GRD	006			
	GRD	GRD	011			
	GRD	GRD	018			
	GRD	GRD	019			
	GRD	GRD	024			
	GRD	GRD	032		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	037		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	038		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	043		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	044			
	GRD	GRD	054			
	GRD	GRD	055			
	GRD	GRD	103			
	GRD	GRD	104			
	GRD	GRD	106			
	GRD	GRD	118			
	GRD	GRD	119			
	GRD	GRD	124			
	GRD	GRD	132		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	137		TO TIME MULTIPLEXED	

SYMBOL NO. 6 (CONT)

CLOCK CONTROL AND GENERATION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CKCONGN	04-096	TN270	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					SWITCH UNIT	
	GRD	GRD	138		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	143		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	144			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	204			
	GRD	GRD	206			
	GRD	GRD	208			
	GRD	GRD	210			
	GRD	GRD	212			
	GRD	GRD	213			
	GRD	GRD	216			
	GRD	GRD	217			
	GRD	GRD	220			
	GRD	GRD	223			
	GRD	GRD	224			
	GRD	GRD	232		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	237		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	238		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	243		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	244			
	GRD	GRD	254			
	GRD	GRD	255			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	306			
	GRD	GRD	309			
	GRD	GRD	312			
	GRD	GRD	313			
	GRD	GRD	317			
	GRD	GRD	318			
	GRD	GRD	321			
	GRD	GRD	324			
	GRD	GRD	332		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	337		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	338		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	343		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	344			
IOKCLRE1	I	CLRER1	205		1/2	
KIDC8KS1	O	DC8KSP1	IC		3/3	
KIDS8KS1	O	DS8KSP1	IC		2/1	
KI16MECO	O	16MECL0	IC		2/1	

SYMBOL NO. 6 (CONT)

CLOCK CONTROL AND GENERATION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CKCONGN	04-096	TN270	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
KI2MECL1	O	2MECL1	IC		2/1	
KOMEDER1	O	EDER1	209		1/3	
KOMSLP1	O	SLIP1	207		1/3	
KOOTTM8K	O	TMS8K	105		TO MESSAGE INTERFACE/CLOCK UNIT	P/KOOTT8KR
KOOTT8KR	O	TMS8KR	005		TO MESSAGE INTERFACE/CLOCK UNIT	P/KOOTTM8K
KO2MOI	O	TMSI2M0	320		1/2	P/KO2M1I
KO2MOM	O	TMSM2M0	322		1/3	P/KO2M1M
KO2M1I	O	TMSI2M1	319		1/2	P/KO2MOI
KO2M1M	O	TMSM2M1	323		1/3	P/KO2MOM
MOKII0	I	INHI0	308		1/3	
MOKIO1	I	INHO1	307		1/3	
NCIN8KRF	I	8KREF	102		TO MESSAGE INTERFACE/CLOCK UNIT	P/NCIN8KRR
NCIN8KRR	I	8KREFR	002		TO MESSAGE INTERFACE/CLOCK UNIT	P/NCIN8KRF

PART OF FS 1

SYMBOL(S) 5 6

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: C2

ISSUE: 6B

AT&T BELL LABORATORIES

SD-5D037-01

81CD

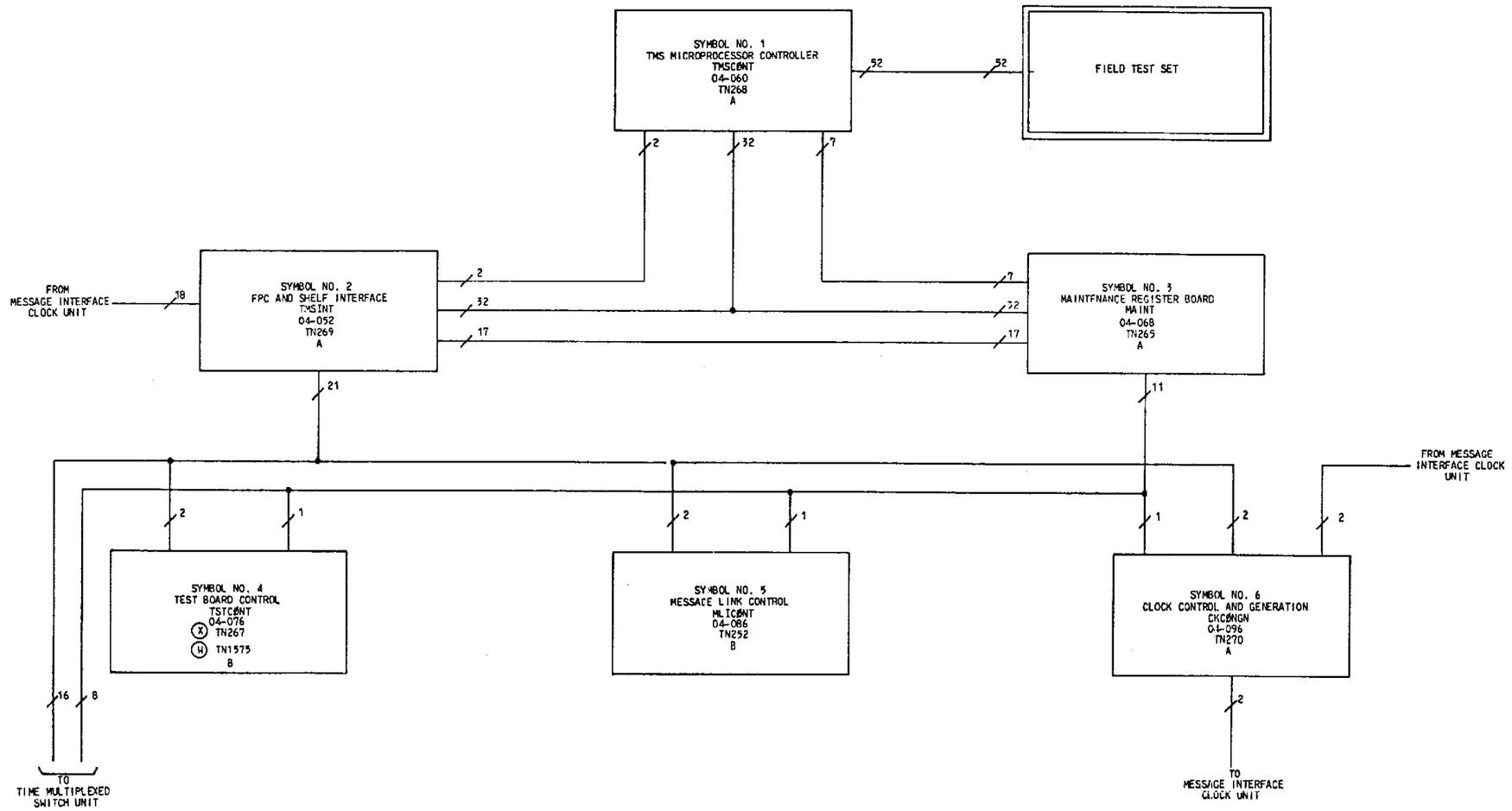
PART OF FS I

CONTROL

COMPOSITE DIAGRAM I

NOTES:

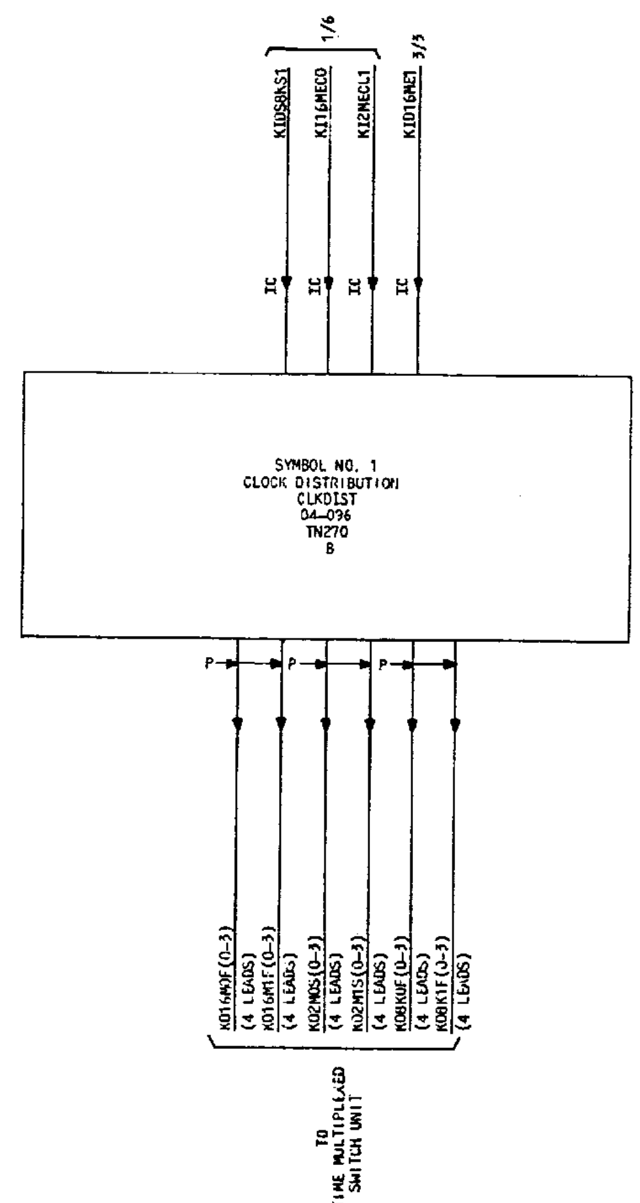
1. PRINTED WIRE GROUND IS NOT REPRESENTED.



TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE: 8B	ISSUE: 6B
BELL LABORATORIES	SD-5D037-01	BIGA

PART OF FS 2

CLOCK
(P/O INTERCONNECTION & FLOW DIAGRAM)



TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE 6S	ISSUE 6B
AT&T BELL LABORATORIES	SD-5D037-01	B2AA

PART OF FS 2

CLOCK

SYMBOL NO. 1

CLOCK DISTRIBUTION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CLKDIST	04-096	TN270	B	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
KIDS8KS1	I	DS8KSP1	IC		1/6	
KID16ME1	I	D16MECL1	IC		3/3	
KI16MEC0	I	16MECL0	IC		1/6	
KI2MECL1	I	2MECL1	IC		1/6	
K016M0F0	O	S016M0	042		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M1F0
K016M0F1	O	S116M0	242		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M1F1
K016M0F2	O	S216M0	036		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M1F2
K016M0F3	O	S316M0	236		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M1F3
K016M1F0	O	S016M1	142		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M0F0
K016M1F1	O	S116M1	342		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M0F1
K016M1F2	O	S216M1	136		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M0F2
K016M1F3	O	S316M1	336		TO TIME MULTIPLEXED SWITCH UNIT	P/K016M0F3
K02M0S0	O	S02M0	039		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M1S0
K02M0S1	O	S12M0	239		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M1S1
K02M0S2	O	S22M0	034		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M1S2
K02M0S3	O	S32M0	234		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M1S3
K02M1S0	O	S02M1	139		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M0S0
K02M1S1	O	S12M1	339		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M0S1
K02M1S2	O	S22M1	134		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M0S2
K02M1S3	O	S32M1	334		TO TIME MULTIPLEXED SWITCH UNIT	P/K02M0S3
K08K0F0	O	S08K0	040		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K1F0
K08K0F1	O	S18K0	240		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K1F1
K08K0F2	O	S28K0	035		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K1F2
K08K0F3	O	S38K0	235		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K1F3
K08K1F0	O	S08K1	140		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K0F0
K08K1F1	O	S18K1	340		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K0F1
K08K1F2	O	S28K1	135		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K0F2

SYMBOL NO. 1 (CONT)

CLOCK DISTRIBUTION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CLKDIST	04-096	TN270	B	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
K08K1F3	O	S38K1	335		TO TIME MULTIPLEXED SWITCH UNIT	P/K08K0F3

PART OF FS 2
SYMBOL(S) 1

TIME MULTIPLEXED SWITCH CONTROL UNIT

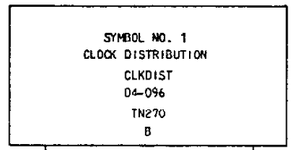
DWG SIZE: C2 | ISSUE: 6B

AT&T BELL LABORATORIES | SD-5D037-01 | B2CA

PART OF FS 2

CLOCK
COMPOSITE DIAGRAM I

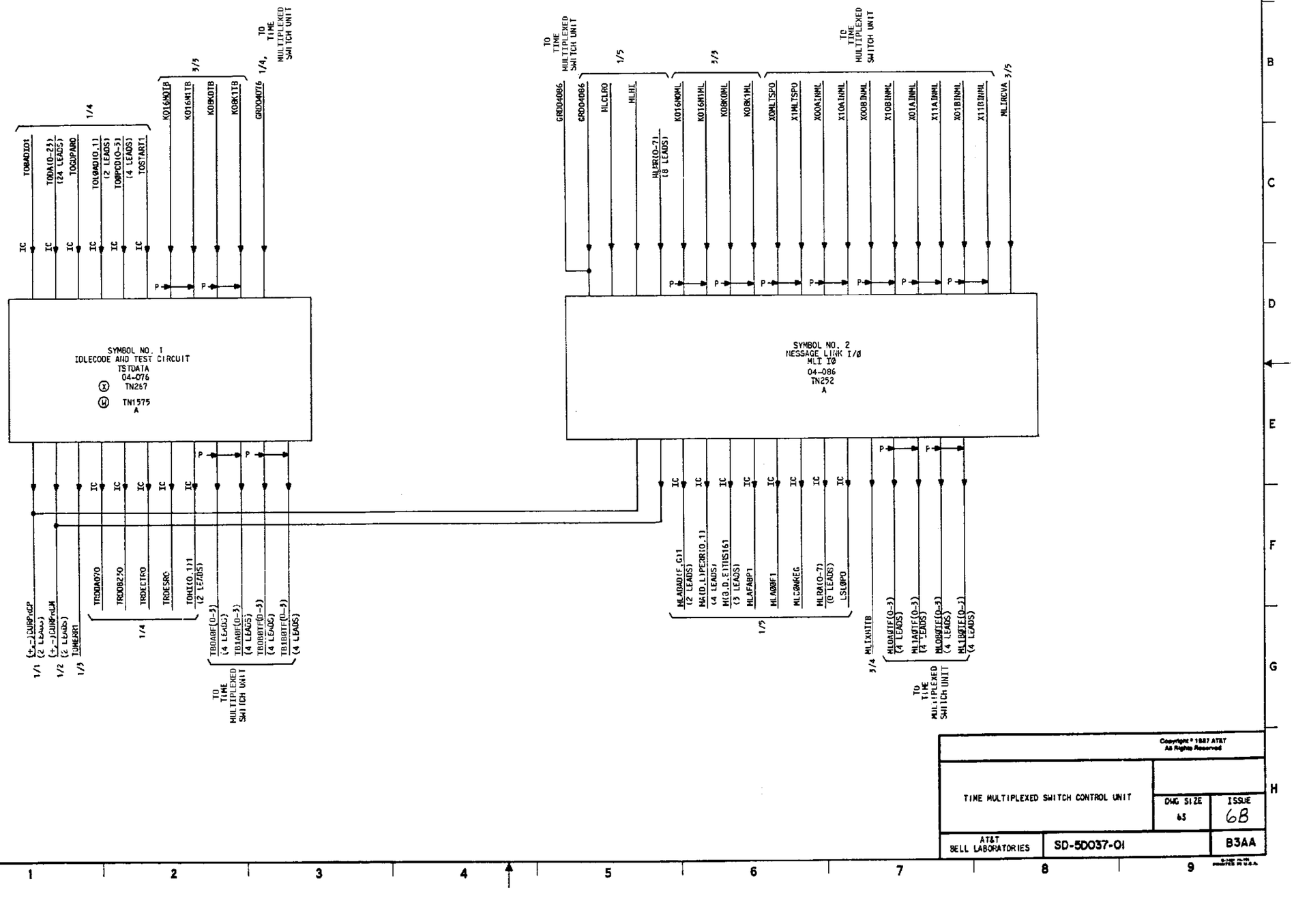
NOTES:
1. PRINTED WIRE GROUND IS NOT REPRESENTED.



TIME MULTIPLEXED SWITCH CONTROL UNIT		DWG SIZE	ISSUE
		8S	6B
BELL LABORATORIES	SD-5D037-01		B2GA

PART OF FS 3

DATA
(P/O INTERCONNECTION & FLOW DIAGRAM)



TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: 65

ISSUE: 68

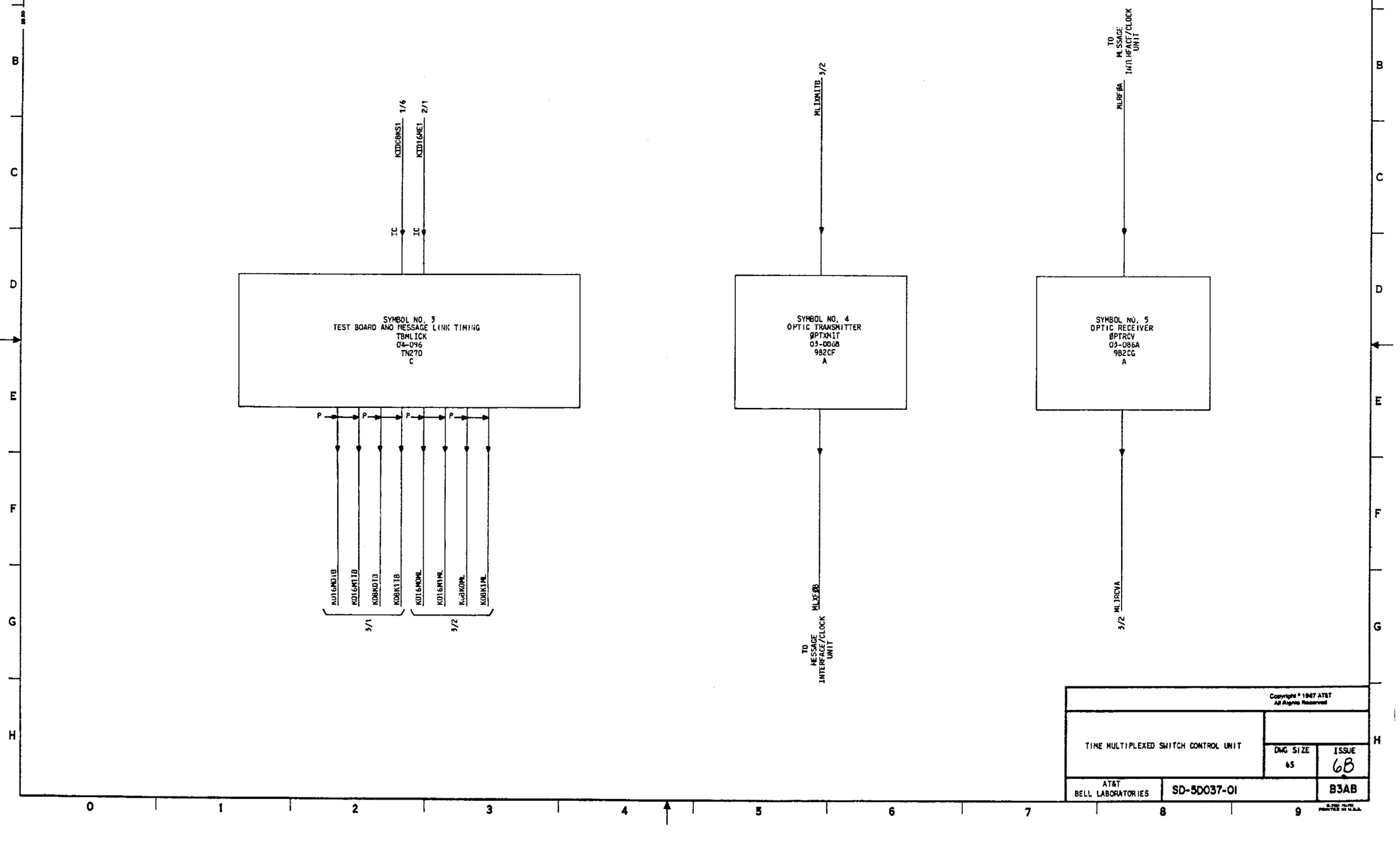
AT&T BELL LABORATORIES

SD-5D037-01

B3AA

PART OF FS 3

DATA
(P/O INTERCONNECTION & FLOW DIAGRAM)



TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE: 65	ISSUE: 6B
AT&T BELL LABORATORIES	SD-5D037-01	B3AB

PART OF FS 3

DATA

SYMBOL NO. 1

IDLECODE AND TEST CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TSTDATA	04-076	TN267	A	(X)
TSTDATA	04-076	TN1575	A	(W)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	TST23VEC	IC			
	O	TST21VEC	002			
	O	TST20VEC	003			
	O	TST19VEC	004			
	O	TST18VEC	005			
	O	LATDATA	032			
	O	LATDATBC	033			
	O	TST22VEC	104			
	O	TS1M1	105			
	O	TS4M1	106			
	O	TS5M1	107			
	O	TS254M0	108			
	O	TS255M0	109			
	I	TST16VEC	007			
	I	TST15VEC	008			
	I	TST23VEC	103			
	I	TST3VEC	110			
+CURPRCM	OT	+CURPRM	113		1/2	
+CURPRCP	OT	+CURPR	112		1/1	
+5	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	-100			
	PWR	+5	101			
	PWR	+5	355			
	PWR	+5	356			
-CURPRCM	OT	-CURPRM	013		1/2	
-CURPRCP	DT	-CURPR	012		1/1	
-5	PWR	-5	022			
	PWR	-5	122			
GRD04076	GRD	GRD	046			
	GRD	GRD	048			
	GRD	GRD	050			
	GRD	GRD	146			
	GRD	GRD	148			
	GRD	GRD	150			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	202			
	GRD	GRD	203			
	GRD	GRD	204			
	GRD	GRD	205			
	GRD	GRD	206			
	GRD	GRD	207			
	GRD	GRD	208			
	GRD	GRD	209			
	GRD	GRD	210			
	GRD	GRD	211			
	GRD	GRD	212			
	GRD	GRD	213		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	218		TO TIME MULTIPLEXED SWITCH-UNIT	
	GRD	GRD	219		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	224		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	232		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	237		TO TIME	

SYMBOL NO. 1 (CONT)

IDLECODE AND TEST CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TSTDATA	04-076	TN267	A	(X)
TSTDATA	04-076	TN1575	A	(W)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					MULTIPLEXED SWITCH UNIT	
	GRD	GRD	238		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	243		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	244			
	GRD	GRD	245			
	GRD	GRD	246			
	GRD	GRD	247			
	GRD	GRD	248			
	GRD	GRD	249			
	GRD	GRD	250			
	GRD	GRD	251			
	GRD	GRD	252			
	GRD	GRD	253			
	GRD	GRD	254			
	GRD	GRD	255			
	GRD	GRD	256			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	313		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	318		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	319		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	324		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	332		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	337		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	338		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	343		TO TIME MULTIPLEXED SWITCH UNIT	
	I	TST14VEC	009		1/4	
	I	TST13VEC	010		1/4	
	I	TST12VEC	011		1/4	
	I	TST11VEC	014		1/4	
	I	TST10VEC	015		1/4	
	I	TST9VEC	016		1/4	
	I	TST8VEC	017		1/4	
	I	TST7VEC	018		1/4	
	I	TST6VEC	019		1/4	
	I	TST5VEC	020		1/4	
	I	TST4VEC	021		1/4	
	I	CLR1	116		1/4	
	I	TST17VEC	134		1/4	
K016M0TB	I	CLK16M0	047		3/3	P/K016M1TB
K016M1TB	I	CLK16M1	147		3/3	P/K016M0TB
K08K0TB	I	SYNC8K0	049		3/3	P/K08K1TB
K08K1TB	I	SYNC8K1	149		3/3	P/K08K0TB

SYMBOL NO. 1 (CONT)

IDLECODE AND TEST CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TSTDATA	04-076	TN267	A	(X)
TSTDATA	04-076	TN1575	A	(W)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
TB0AOTF0	O	S00TDA0	336		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1AOTF0
TB0AOTF1	O	S10TDA0	317		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1AOTF1
TB0AOTF2	O	S20TDA0	335		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1AOTF2
TB0AOTF3	O	S30TDA0	316		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1AOTF3
TB0BOTF0	O	S00TDB0	333		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1BOTF0
TB0BOTF1	O	S10TDB0	314		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1BOTF1
TB0BOTF2	O	S20TDB0	334		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1BOTF2
TB0BOTF3	O	S30TDB0	315		TO TIME MULTIPLEXED SWITCH UNIT	P/TB1BOTF3
TB1AOTF0	O	S00TDA1	236		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0AOTF0
TB1AOTF1	O	S10TDA1	217		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0AOTF1
TB1AOTF2	O	S20TDA1	235		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0AOTF2
TB1AOTF3	O	S30TDA1	216		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0AOTF3
TB1BOTF0	O	S00TDB1	233		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0BOTF0
TB1BOTF1	O	S10TDB1	214		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0BOTF1
TB1BOTF2	O	S20TDB1	234		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0BOTF2
TB1BOTF3	O	S30TDB1	215		TO TIME MULTIPLEXED SWITCH UNIT	P/TB0BOTF3
TRDDA070	O	RDDA070	IC		1/4	
TRDD8230	O	RDDA823O	IC		1/4	
TRDECTR0	O	RDECTR0	IC		1/4	
TRDESR0	O	RDESR0	IC		1/4	
TOBAD1D1	I	BAD1D1	IC		1/4	
TODA0	I	DA0	IC		1/4	
TODA1	I	DA1	IC		1/4	
TODA10	I	DA10	IC		1/4	
TODA11	I	DA11	IC		1/4	
TODA12	I	DA12	IC		1/4	
TODA13	I	DA13	IC		1/4	
TODA14	I	DA14	IC		1/4	
TODA15	I	DA15	IC		1/4	
TODA16	I	DA16	IC		1/4	
TODA17	I	DA17	IC		1/4	
TODA18	I	DA18	IC		1/4	
TODA19	I	DA19	IC		1/4	
TODA2	I	DA2	IC		1/4	
TODA20	I	DA20	IC		1/4	
TODA21	I	DA21	IC		1/4	

SYMBOL NO. 1 (CONT)

IDLECODE AND TEST CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TSTDATA	04-076	TN267	A	(X)
TSTDATA	04-076	TN1575	A	(W)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
TODA22	I	DA22	IC		1/4	
TODA23	I	DA23	IC		1/4	
TODA3	I	DA3	IC		1/4	
TODA4	I	DA4	IC		1/4	
TODA5	I	DA5	IC		1/4	
TODA6	I	DA6	IC		1/4	
TODA7	I	DA7	IC		1/4	
TODA8	I	DA8	IC		1/4	
TODA9	I	DA9	IC		1/4	
TOGDPAR0	O		IC		1/4	
TOHI01	O	HI01	IC		1/4	
TOHI11	O	HI11	IC		1/4	
TOLOAD0	I	LOAD0	IC		1/4	
TOLOAD1	I	LOAD1	IC		1/4	
TOMERR1	O	ERROR1	135		1/3	
TOOPCD0	I	OPCD0	IC		1/4	
TOOPCD1	I	OPCD1	IC		1/4	
TOOPCD2	I	OPCD2	IC		1/4	
TOOPCD3	I	OPCD3	IC		1/4	
TOSTART1	I	START1	IC		1/4	

PART OF FS 3
SYMBOL(S) 1

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE D2 | ISSUE 6B

AT&T BELL LABORATORIES | SD-5D037-01 | B3CA

PART OF FS 3

DATA

SYMBOL NO. 7

MESSAGE LINK I/O

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MLI10	04-086	TN252	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	I	TEST8	146			
	I	TEST10	149			
	I	TEST5	153			
	I	TEST6	154			
	I	CLOCK	252			
	I	TEST2	253			
	I	TEST1	254			
	I	TEST4	255			
	I	DATA	307			
	I	TESTSEL	349			
+CURPRCM	OT	+CURPRM	113		1/2	
+CURPRCP	OT	+CURPR	112		1/1	
+5	PWR	+5	000			
	PWR	+5	001			
	PWR	+5	100			
	PWR	+5	101			
	PWR	+5	355			
	PWR	+5	356			
+5CONMLA	O	COND5B	109			
+5PMLIA	PWR	+5	006			
+5XPMLIB	PWR	+5	115			
-CURPRCM	OT	-CURPRM	013		1/2	
-CURPRCP	OT	-CURPR	012		1/1	
-48MLIA	PWR	-48	156			
-48PMLIA	PWR	-48	004			
-5	PWR	-5	022			
	PWR	-5	122			
GRD04086	GRD	GRD	005			
	GRD	GRD	007			
	GRD	GRD	015			
	GRD	GRD	021			
	GRD	GRD	032		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	037		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	038		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	043		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	044			
	GRD	GRD	052			
	GRD	GRD	103			
	GRD	GRD	104			
	GRD	GRD	106			
	GRD	GRD	107			
	GRD	GRD	120			
	GRD	GRD	132		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	137		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	138		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	143		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	144			
	GRD	GRD	148			

SYMBOL NO. 2 (CONT)

MESSAGE LINK I/O

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MLI10	04-086	TN252	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	152			
	GRD	GRD	200			
	GRD	GRD	201			
	GRD	GRD	204			
	GRD	GRD	206			
	GRD	GRD	211			
	GRD	GRD	213			
	GRD	GRD	232		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	237		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	238		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	243		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	244			
	GRD	GRD	246			
	GRD	GRD	248			
	GRD	GRD	300			
	GRD	GRD	301			
	GRD	GRD	304			
	GRD	GRD	306			
	GRD	GRD	311			
	GRD	GRD	313			
	GRD	GRD	332		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	337		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	338		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	343		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	GRD	344			
	GRD	GRD	346			
	GRD	GRD	348			
K016MOML	I	TEST3	251		1/5	
K016M1ML	I	TMS160	345		3/3	P/K016M1ML
	I	TMS161	245		3/3	P/K016M0ML
K08K0ML	I	TMS8K0	347		3/3	P/K08K1ML
K08K1ML	I	TMS8K1	247		3/3	P/K08K0ML
MADPERR1	O	ADPERR1	IC		1/5	
MALPERR0	O	ALPERR0	IC		1/5	
MBTMS161	O	BTMS161	IC		1/5	
MDTMS161	O	DTMS161	IC		1/5	
METMS161	O	ETMS161	IC		1/5	
MLABADF1	O	ABADG0	IC		1/5	
MLABADG1	O	ABADG1	IC		1/5	
MLAFABP1	O	AFABPAR1	IC		1/5	
MLADOF1	O	ADOF1	IC		1/5	
MLCLR0	I	CLEAR0	353		1/5	
MLCONREQ	O	CONREQ	IC		1/5	
MLHI	I	HI	322		1/5	
MLIRCVA	I	RCVA	108		3/5	
MLIXMITB	O	XMITB	121		3/4	
MLMR0	I	MR0	IC		1/5	
MLMR1	I	MR1	IC		1/5	

SYMBOL NO. 2 (CONT)

MESSAGE LINK I/O

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MLI10	04-086	TN252	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
MLMR2	I	MR2	IC		1/5	
MLMR3	I	MR3	IC		1/5	
MLMR4	I	MR4	IC		1/5	
MLMR5	I	MR5	IC		1/5	
MLMR6	I	MR6	IC		1/5	
MLMR7	I	MR7	IC		1/5	
MLRA0	O	RA0	IC		1/5	
MLRA1	O	RA1	IC		1/5	
MLRA2	O	RA2	IC		1/5	
MLRA3	O	RA3	IC		1/5	
MLRA4	O	RA4	IC		1/5	
MLRA5	O	RA5	IC		1/5	
MLRA6	O	RA6	IC		1/5	
MLRA7	O	RA7	IC		1/5	
MLSLOP0	O	SLOP0	IC		1/5	
ML0AOTF0	O	S0F00A0	336		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1AOTF0
ML0AOTF1	O	S1F00A0	136		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1AOTF1
ML0AOTF2	O	S2F00A0	335		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1AOTF2
ML0AOTF3	O	S3F00A0	135		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1AOTF3
ML0BOTF0	O	S0F00B0	333		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1BOTF0
ML0BOTF1	O	S1F00B0	133		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1BOTF1
ML0BOTF2	O	S2F00B0	334		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1BOTF2
ML0BOTF3	O	S3F00B0	134		TO TIME MULTIPLEXED SWITCH UNIT	P/ML1BOTF3
ML1AOTF0	O	S0F00A1	236		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0AOTF0
ML1AOTF1	O	S1F00A1	036		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0AOTF1
ML1AOTF2	O	S2F00A1	235		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0AOTF2
ML1AOTF3	O	S3F00A1	035		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0AOTF3
ML1BOTF0	O	S0F00B1	233		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0BOTF0
ML1BOTF1	O	S1F00B1	033		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0BOTF1
ML1BOTFZ	O	S2F00B1	234		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0BOTF2
ML1BOTF3	O	S3F00B1	034		TO TIME MULTIPLEXED SWITCH UNIT	P/ML0BOTF3
X0MLTSP0	I	S0ADPAR0	340		TO TIME MULTIPLEXED SWITCH UNIT	P/X1MLTSP0
X00AINML	I	S0FADA0	342		TO TIME MULTIPLEXED SWITCH UNIT	P/X10AINML

SYMBOL NO. 2 (CONT)

MESSAGE LINK I/O

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MLI1D	04-086	TN252	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
X00BINML	I	S0FADB0	341		TO TIME MULTIPLEXED SWITCH UNIT	P/X10BINML
X01AINML	I	S1FADA0	142		TO TIME MULTIPLEXED SWITCH UNIT	P/X11AINML
X01BINML	I	S1FADB0	141		TO TIME MULTIPLEXED SWITCH UNIT	P/X11BINML
X1MLTSP0	I	S0ADPAR1	Z40		TO TIME MULTIPLEXED SWITCH UNIT	P/X0MLTSP0
X10AINML	I	S0FADA1	Z42		TO TIME MULTIPLEXED SWITCH UNIT	P/X00AINML
X10BINML	I	S0FADB1	Z41		TO TIME MULTIPLEXED SWITCH UNIT	P/X00BINML
X11AINML	I	S1FADA1	042		TO TIME MULTIPLEXED SWITCH UNIT	P/X01AINML
X11BINML	I	S1FADB1	041		TO TIME MULTIPLEXED SWITCH UNIT	P/X01BINML

SYMBOL NO. 3

TEST BOARD AND MESSAGE LINK TIMING

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TBMLICK	04-096	TN270	C	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
K1DC8KS1	I	DC8KSP1	IC		1/6	
K1D16ME1	I	D16MECL1	IC		2/1	
K016MOML	O	MLI16M0	221		3/2	P/K016M1ML
K016MOTB	O	TB16M0	219		3/1	P/K016M1TB
K016M1ML	O	MLI16M1	222		3/2	P/K016M0ML
K016M1TB	O	TB16M1	218		3/1	P/K016M0TB
K08K0ML	O	MLI8K0	316		3/2	P/K08K1ML
K08K0TB	O	TB8K0	214		3/1	P/K08K1TB
K08K1ML	O	MLI8K1	315		3/2	P/K08K0ML
K08K1TB	O	TB8K1	215		3/1	P/K08K0TB

PART OF FS 3

SYMBOL(S) 2 3

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: D2

ISSUE: 6B

AT&T BELL LABORATORIES | SD-5D037-01 | B3CB

PART OF FS 3
DATA

SYMBOL NO. 4

OPTIC TRANSMITTER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
OPTXMIT	03-0868	982CF	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5XPMLIB	PWR	+5	102			
GRD04086	GRD	GRD	002			
	GRD	GRD	008			
	GRD	GRD	107			
MLIXMITB	I	XMIT	108		3/2 TO MESSAGE INTERFACE/CLOCK UNIT	
MLXFOB	O	FOOUT	FO			

SYMBOL NO. 5

OPTIC RECEIVER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
OPTRCV	03-086A	982CG	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5CONMLA	PWR	+5VCOND	109			
+5PMLIA	PWR	+5PWR	006			
-48PMLIA	PWR	-48PWR	004			
GRD04086	GRD	GRD	007			
	GRD	GRD	103			
	GRD	RECVRET	107			
MLIRCVA	O	RECV	108		3/2 TO MESSAGE INTERFACE/CLOCK UNIT	
MLRFOA	I	FOIN	FO			

PART OF FS 3
SYMBOL(S) 4 5

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: D
ISSUE: 6B

AT&T BELL LABORATORIES | SD-5D037-01 | B3CC

PRINTED IN U.S.A.

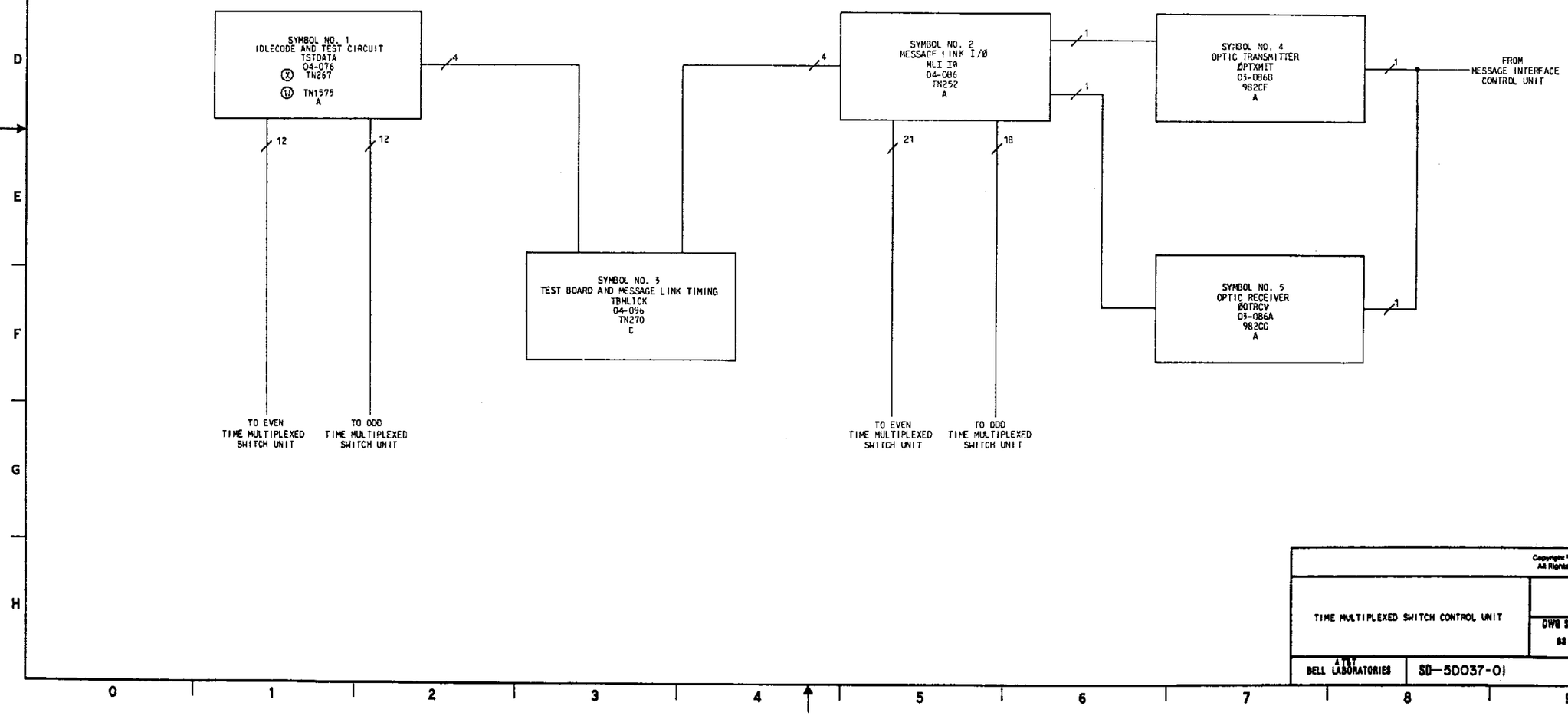
PART OF FS 3

DATA

COMPOSITE DIAGRAM I

NOTES:

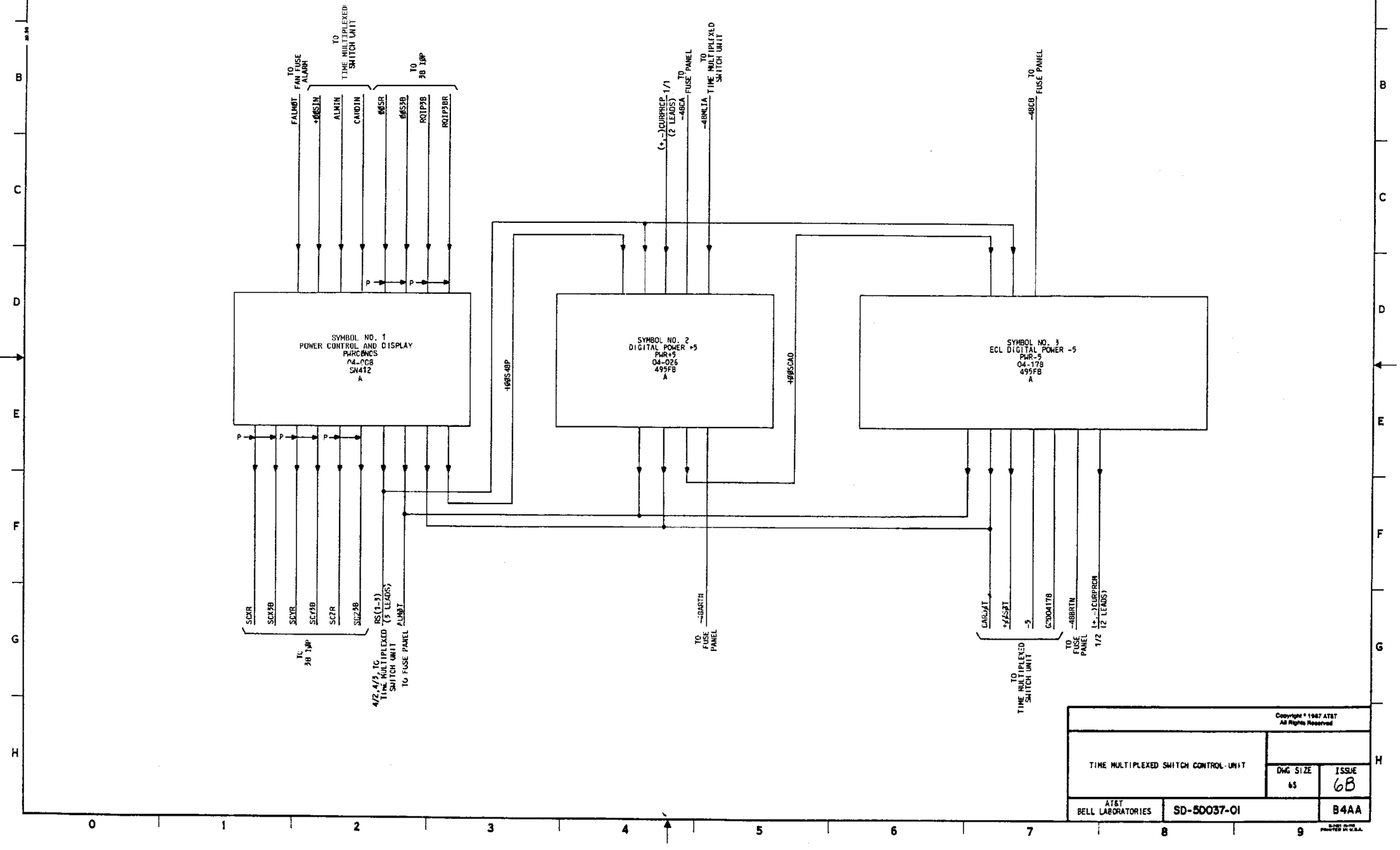
1. PRINTED WIRE GROUND IS NOT REPRESENTED.



TIME MULTIPLEXED SWITCH CONTROL UNIT		
	DWG SIZE: B8	ISSUE: 68
BELL LABORATORIES	SD-5D037-01	B3GA

PART OF FS 4

POWER CONVERSION
(P/O INTERCONNECTION & FLOW DIAGRAM)



TIME MULTIPLEXED SWITCH CONTROL-UNIT

DWG SIZE	ISSUE
6S	6B

AT&T BELL LABORATORIES	SD-5D037-01	B4AA

PART OF FS 4

POWER CONVERSION

SYMBOL NO. 1

POWER CONTROL AND DISPLAY

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWRCONDS	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	TST8	046			
	O	TSTIN	049			
	O	SCY1	118			
	O	SCY0	119			
	O	SCYR	120			
	O	TSTA	146			
	I	OOS0	010			
	I	OOS1	011			
	I	ROIP1	021			
	I	ROIP0	022			
	I	OOSR	112			
	I	INH	114			
	I	FAS	121			
+OOSIN	I	OOSCONV	111		TO TIME MULTIPLEXED SWITCH UNIT 4/2	
+OOS48P	O	OOS48P	109			
-48ARTN	I	ZRTN	149			
	GRD	-48RTN	003			
	GRD	-48RTN	004			
	GRD	-48RTN	102			
	GRD	-48RTN	103			
	GRD	-48RTN	104		4/2	
-48CA	PWR	-48	006			
	PWR	-48	007			
	PWR	-48	008			
	PWR	-48	106			
	PWR	-48	107			
	PWR	-48	108			
ALMIN	I	AD	117		TO TIME MULTIPLEXED SWITCH UNIT	
CARDIN	I	PINT	048		TO TIME MULTIPLEXED SWITCH UNIT	
CARDOT	OT	CARD	123		4/2,4/3	
FALMOT	I	FAS	045		TO FAN FUSE ALARM	
OOSR	I	OOSR	051		TO 3BIOP	P/OOS3B
OOS3B	I	OOS3B	151		TO 3BIOP	P/OOSR
ROIP3B	I	ROIP3B	152		TO 3BIOP	P/ROIP3BR
ROIP3BR	I	ROIP3BR	052		TO 3BIOP	P/ROIP3B
RS1	O	S1	124		4/2,4/3 TO TIME MULTIPLEXED SWITCH UNIT	
RS2	O	S2	122		4/2,4/3 TO TIME MULTIPLEXED SWITCH UNIT	
RS3	O	S3	009		4/2,4/3 TO TIME MULTIPLEXED SWITCH UNIT	
SCXR	O	SCXR	054		TO 3BIOP	P/SCX3B
SCX3B	O	SCX3B	154		TO 3BIOP	P/SCXR
SCYR	O	SCYR	053		TO 3BIOP	P/SCY3B
SCY3B	O	SCY3B	153		TO 3BIOP	P/SCYR

SYMBOL NO. 1 (CONT)

POWER CONTROL AND DISPLAY

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

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SCZR	O	SCZR	055		TO 3BIOP	P/SCZ3B
SCZ3B	O	SCZ3B	155		TO 3BIOP	P/SCZR

SYMBOL NO. 2

DIGITAL POWER +5

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWR+5	04-026	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	I	RS4	010			
	I	SC(+)	019			
	I	SB(+)	118			
+CURPRCP	I	CP(+)	017		1/1	
+OOSCA0	O	OOS(+)	015		4/3	
+OOS48P	I	OOS(-)	115		4/1	
+5	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(+)	145			
	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			

SYMBOL NO. 2 (CONT)

DIGITAL POWER +5

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWR+5	04-026	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	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			
-CURPRCP	I	SA(+)	018			
-48ARTN	I	CP(-)	117		1/1	
	GRD	VIN(+)	003			
	GRD	VIN(+)	004			
	GRD	VIN(+)	005			
	GRD	VIN(+)	102			
	GRD	VIN(+)	103			
	GRD	VIN(+)	104		TO FUSE PANEL	
	GRD	VIN(+)	203			
	GRD	VIN(+)	204			
	GRD	VIN(+)	205			
	GRD	VIN(+)	302			
	GRD	VIN(+)	303			
	GRD	VIN(+)	304			
-48CA	PWR	VIN(-)	006			
	PWR	VIN(-)	007			
	PWR	VIN(-)	008			
	PWR	VIN(-)	106		TO FUSE PANEL	
	PWR	VIN(-)	107			
	PWR	VIN(-)	108			
	PWR	VIN(-)	206			
	PWR	VIN(-)	207			
	PWR	VIN(-)	208			
	PWR	VIN(-)	306			
	PWR	VIN(-)	307			
	PWR	VIN(-)	308			
-48MLIA	O	INT	112			
	I	INT	012		TO TIME MULTIPLEXED SWITCH UNIT 4/3 TO FUSE PANEL	
ALMOT	OT	ALM2	014		4/1	
CARDOT	OT	ALM1	113			
GRD04026	I	S(-)	119			
	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(-)	038			
	GRD	VOUT1(-)	039			
	GRD	VOUT1(-)	040			
	GRD	VOUT1(-)	041			
	GRD	VOUT1(-)	042			
	GRD	VOUT1(-)	043			
	GRD	FRGRD	100			
	GRD	FRGRD	101			
	GRD	VOUT1(-)	132			

SYMBOL NO. 2 (CONT)

DIGITAL POWER +5

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWR+5	04-026	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	VOUT1(-)	133			
	GRD	VOUT1(-)	134			
	GRD	VOUT1(-)	135			
	GRD	VOUT1(-)	136			
	GRD	VOUT1(-)	137			
	GRD	VOUT1(-)	138			
	GRD	VOUT1(-)	139			
	GRD	VOUT1(-)	140			
	GRD	VOUT1(-)	141			
	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			
	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			
RS1	I	RS1	011		4/1	
RS2	I	RS2	110		4/1	
RS3	I	RS3	109		4/1	

PART OF FS 4

SYMBOL(S) 1 2

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE C2 | ISSUE 6B

AT&T BELL LABORATORIES | SD-5D037-01 | B4CA

PART OF FS 4

POWER CONVERSION

SYMBOL NO. 3

ECL DIGITAL POWER -5

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWR-5	04-17B	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	O	RS4	010			
	I	INT	012			
	I	SC(+)	019			
	I	INT	112			
	I	SB(+)	118			
+CURPRCM	I	CP(+)	017		1/2	
+DOSCAO	I	DOS(-)	115		4/2	
+DOSOT	O	DOS(+)	015		TO TIME MULTIPLEXED SWITCH UNIT	
-CURPRCM	OT	CP(-)	117		1/2	
-48BRTN	GRD	VIN(+)	003			
	GRD	VIN(+)	004			
	GRD	VIN(+)	005			
	GRD	VIN(+)	102			
	GRD	VIN(+)	103			
	GRD	VIN(+)	104		TO FUSE PANEL	
	GRD	VIN(+)	203			
	GRD	VIN(+)	204			
	GRD	VIN(+)	205			
	GRD	VIN(+)	302			
	GRD	VIN(+)	303			
	GRD	VIN(+)	304			
-48CB	PWR	VIN(-)	006		TO FUSE PANEL	
	PWR	VIN(-)	007			
	PWR	VIN(-)	008			
	PWR	VIN(-)	106			
	PWR	VIN(-)	107			
	PWR	VIN(-)	108			
	PWR	VIN(-)	206			
	PWR	VIN(-)	207			
	PWR	VIN(-)	208			
	PWR	VIN(-)	306			
	PWR	VIN(-)	307			
	PWR	VIN(-)	308			
-5	PWR	VOUT1(-)	032		TO TIME MULTIPLEXED SWITCH UNIT	
	PWR	VOUT1(-)	033			
	PWR	VOUT1(-)	034			
	PWR	VOUT1(-)	035			
	PWR	VOUT1(-)	036			
	PWR	VOUT1(-)	037			
	PWR	VOUT1(-)	038			
	PWR	VOUT1(-)	039			
	PWR	VOUT1(-)	040			
	PWR	VOUT1(-)	041			
	PWR	VOUT1(-)	042			
	PWR	VOUT1(-)	043			
	PWR	VOUT1(-)	132			
	PWR	VOUT1(-)	133			
	PWR	VOUT1(-)	134			
	PWR	VOUT1(-)	135			
	PWR	VOUT1(-)	136			
	PWR	VOUT1(-)	137			
	PWR	VOUT1(-)	138			
	PWR	VOUT1(-)	139			
	PWR	VOUT1(-)	140			
	PWR	VOUT1(-)	141			
	PWR	VOUT1(-)	142			
	PWR	VOUT1(-)	143			

SYMBOL NO. 3 (CONT)

ECL DIGITAL POWER -5

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWR-5	04-17B	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SC(-)	119			
	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			
	GRD	VOUT1(-)	243			
	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			
ALMOT	OT	ALM2	014		4/2 TO TIME MULTIPLEXED SWITCH UNIT	
CARDOT	OT	ALM1	113		4/1 TO TIME MULTIPLEXED SWITCH UNIT	
GRD04178	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			
	I	SA(+)	018			
	GRD	FRGRD	000			
	GRD	FRGRD	001			

SYMBOL NO. 3 (CONT)

ECL DIGITAL POWER -5

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PWR-5	04-17B	495FB	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	VOUT1(+)	045			
	GRD	VOUT1(+)	046			
	GRD	VOUT1(+)	047			
	GRD	VOUT1(+)	048			
	GRD	VOUT1(+)	049			
	GRD	VOUT1(+)	050			
	GRD	VOUT1(+)	051			
	GRD	VOUT1(+)	052			
	GRD	VOUT1(+)	053			
	GRD	VOUT1(+)	054			
	GRD	VOUT1(+)	055			
	GRD	VOUT1(+)	056			
	GRD	FRGRD	100			
	GRD	FRGRD	101			
	GRD	VOUT1(+)	145			
	GRD	VOUT1(+)	146			
	GRD	VOUT1(+)	147			
	GRD	VOUT1(+)	148			
	GRD	VOUT1(+)	149			
	GRD	VOUT1(+)	150			
	GRD	VOUT1(+)	151			
	GRD	VOUT1(+)	152			
	GRD	VOUT1(+)	153			
	GRD	VOUT1(+)	154			
	GRD	VOUT1(+)	155		TO TIME MULTIPLEXED SWITCH UNIT	
	GRD	VOUT1(+)	156			
	GRD	FRGRD	200			
	GRD	FRGRD	201			
	GRD	FRGRD	300			
	GRD	FRGRD	301			
RS1	I	RS1	011		4/1	
RS2	I	RS2	110		4/1	
RS3	I	RS3	109		4/1	

PART OF FS 4
SYMBOL(S) 3

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
C2	6B

AT&T BELL LABORATORIES	SD-5D037-01	B4CB

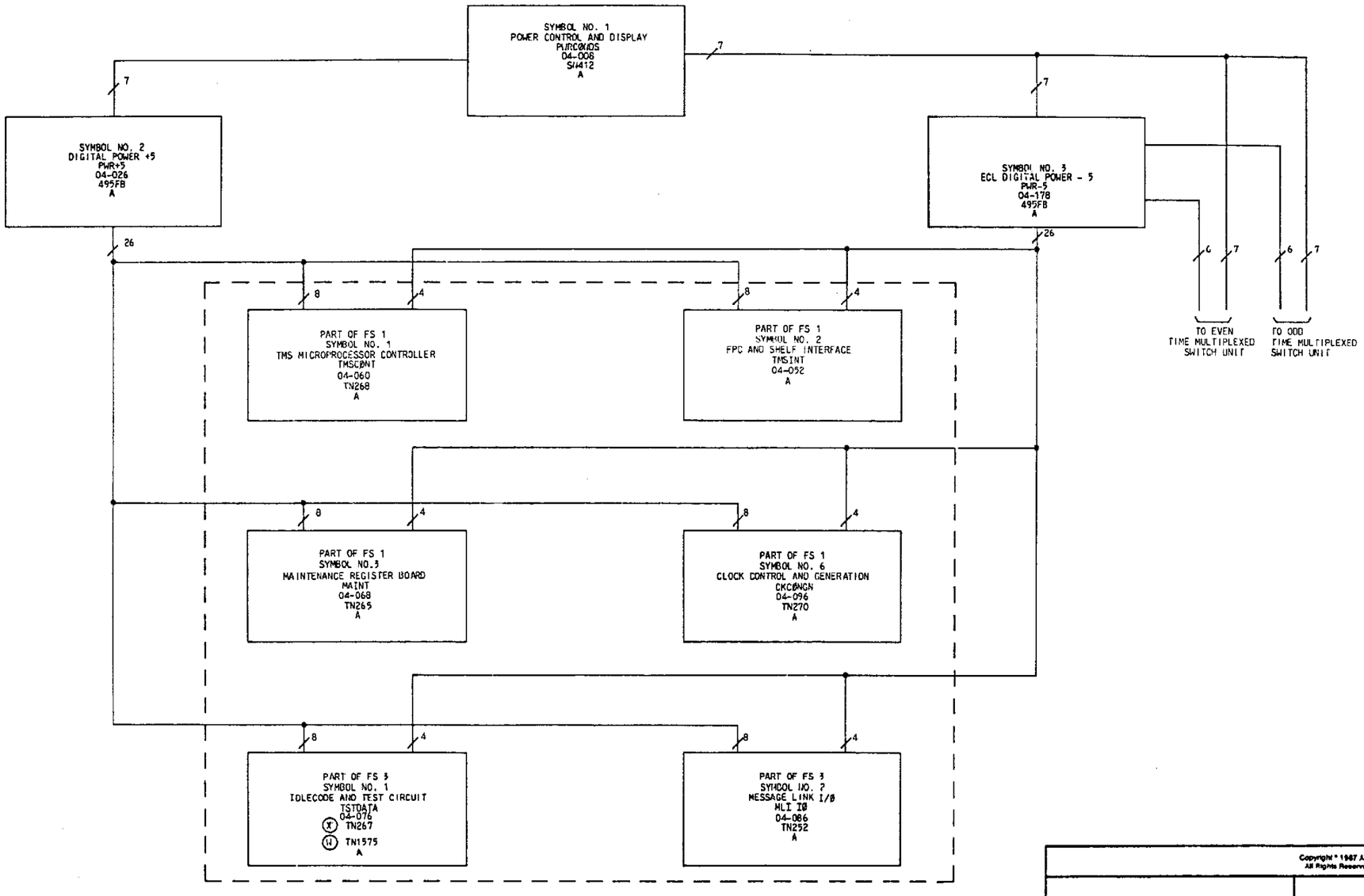
PART OF FS 4

POWER CONVERSION

COMPOSITE DIAGRAM I

NOTES:

1. PRINTED WIRE GROUND IS NOT REPRESENTED.



TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE: A3	ISSUE: 6B
AT&T BELL LABORATORIES	SD-5D037-01	B4GA

APP FIG. 1

CIRCUIT PACK

EQPT LOC	04-008	04-052	04-060	04-068	04-076	04-076	04-086	04-096	EQPT LOC
DESIG	PWRCONDS	TMSINT	TMSCONT	MAINT					DESIG
CODE	SN412	TN269	TN268	TN265	TN1575 W	TN267 X	TN252	TN270	CODE
OPTION									OPTION
ELEM IDENT	CKT	CKT	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	DESIG	FS/SYM	DESIG	FS/SYM	CKT
A		4/1		1/2		1/1		1/3	TSTDATA	3/1	TSTDATA	3/1	MLIID	3/2	CKCONGN	1/6	A
B									TSTCONT	1/4	TSTCONT	1/4	MLICONT	1/5	CLKDIST	2/1	B
C															TBMLICK	3/3	C

CONVERTER

OPTION	DESIG	FS/SYM	CODE
	PWR-5	4/3	495FB
	PWR+5	4/2	495FB

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
C2	6B

AT&T BELL LABORATORIES	SD-5D037-01	C1

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL			VOLTAGE RANGE

102. SEE NOTE 201.

103. THE CLOCK DISTRIBUTION MESSAGE LINK ACCESS AND TEST BOARD ACCESS CABLES FROM THE TIME MULTIPLEXED SWITCH CONTROL UNIT TO THE TIME MULTIPLEXED SWITCH UNIT ARE INDIVIDUALLY SHIELDED TWISTED PAIRS.

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: 65

ISSUE: 6B

AT&T BELL LABORATORIES

SD-5D037-01

DIA

EQUIPMENT NOTES:

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

202. ALL PRINTED WIRING CONNECTIONS ARE SPECIFIED BY ED-5D060.

203. THE FOLLOWING NET NAMES ARE TWISTED PAIR.

K02M1I	IS TWISTED WITH	K02MQI
K02M1M	IS TWISTED WITH	K02MQM
K08K1ML	IS TWISTED WITH	K08KQML
K08K1TB	IS TWISTED WITH	K08KQTB
K016M1ML	IS TWISTED WITH	K016MQML
K016M1TB	IS TWISTED WITH	K016MQTB

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: B6

ISSUE: 68

AT&T BELL LABORATORIES | SD—5D037-01 | D2A

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS,
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY
WIRING AND EQUIPMENT FOR TMCU .	1		
495A POWER CONVERTER	1	Z	2 PER UNIT
495G1 POWER CONVERTER		Y	
IDLE CODE AND TEST CIRCUIT	1		
TN267 WITHOUT O.R.M.	1	X	1 PER UNIT
TN1575 WITH O.R.M.	1	W	1 PER UNIT

303.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGES ON ISSUE	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A&H	MD
2D		Z			Z	
2D		Y			Y	
				AVAIL		DA
7B	X,W	X	302	X,W		

INFORMATION NOTES: (CONT)

304.

CIRCUIT PACK CODE OR MICROCODE	COMMON LANGUAGE EQUIPMENT IDENTIFICATION CODE (CLEI)
SN412	E5PQ06CAXX
TN1575 (MC5D0121)	E5MQ91IAXX
TN252	E5PQ16JAXX
TN265	E5PQ17VAXX
TN267 (MC5D0151	E5MQ015AXX
TN268 (MC5D0131	E5MQ013AXX
TN269 (MC5D0141	E5MQ014AXX
TN270	E5PQ17BAXX
495FB	PWPQ21CAXX

305. THE FOLLOWING NET NAMES ARE GROUND AND ARE TO BE CONSIDERED COMMON.

GRD04026
GRD04052
GRD04060
GRD04056

GRD07076
GRD04086
GRD04096
GRD04178

TIME MULTIPLEXED SWITCH CONTROL UNIT

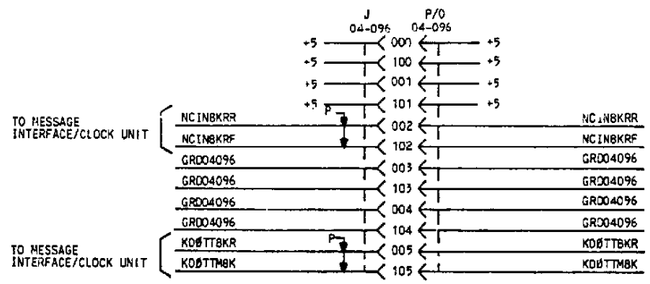
DWG SIZE: 65
ISSUE: 6B

AT&T BELL LABORATORIES | SD-5D037-01 | D3A

NOTES:

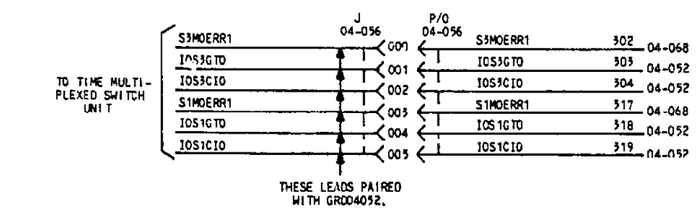
1. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR PRESENTATION.

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....	J05			04-096	JACK/CP	.....			
	+5			000	+5				
	+5			001	+5				
TO MESSAGE INTERFACE/CLOCK UNIT	NCIN8KRR			002	NCIN8KRR				
	GRD04096			003	GRD04096				
	GRD04096			004	GRD04096				
TO MESSAGE INTERFACE/CLOCK UNIT	KØBTT8KR			005	KØBTT8KR				
	+5			100	+5				
	+5			101	+5				
TO MESSAGE INTERFACE/CLOCK UNIT	NCIN8KRF			102	NCIN8KRF				
	GRD04096			103	GRD04096				
	GRD04096			104	GRD04096				
TO MESSAGE INTERFACE/CLOCK UNIT	KØBTTM8K			105	KØBTTM8K				



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
.....	J08A			04-056	TF	.....			
TO TIME MULTI-PLEXED SWITCH UNIT	S3MØERR1			001	S3MØERR1	04-068	302		
	IOS3GTO			001	IOS3GTO	04-052	303		
	IOS3CIO			002	IOS3CIO	04-052	304		
	S1MØERR1			003	S1MØERR1	04-068	317		
	IOS1GTO			004	IOS1GTO	04-052	318		
	IOS1CIO			005	IOS1CIO	04-052	319		



TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE 6S

ISSUE 6B

BELL LABORATORIES | SD-5C037-01 | GBI

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER
A

CONTROL

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04052	G	04-057-000	04-052-200	1/2	P/S3MOERR1
GRD04052	G	04-057-001	04-052-200	1/2	P/IOS3GTO
GRD04052	G	04-057-002	04-052-200	1/2	P/IOS3CIO
GRD04052	G	04-057-003	04-052-200	1/2	P/S1MOERR1
GRD04052	G	04-057-004	04-052-200	1/2	P/IOS1GTO
GRD04052	G	04-057-005	04-052-200	1/2	P/IOS1CIO
GRD04052	G	04-057-006	04-052-200	1/2	P/S2MOERR1
GRD04052	G	04-057-007	04-052-200	1/2	P/IOS2GTO
GRD04052	G	04-057-008	04-052-200	1/2	P/IOS2CIO
GRD04052	G	04-057-009	04-052-200	1/2	P/S0MOERR1
GRD04052	G	04-057-010	04-052-200	1/2	P/IOS0GTO
GRD04052	G	04-057-011	04-052-200	1/2	P/IOS0CIO
IOBUSY	O	04-052-333	04-052-333	1/2	P/IOBUSYR
IOBUSYR	O	04-052-233	04-052-233	1/2	P/IOBUSY
IOEVNT	O	04-052-234	04-052-234	1/2	P/IOEVNTR
IOEVNTR	O	04-052-334	04-052-334	1/2	P/IOEVNT
IOINTRP	O	04-052-332	04-052-332	1/2	P/IOINTRPR
IOINTRPR	O	04-052-232	04-052-232	1/2	P/IOINTRP
IORCVD	O	04-052-338	04-052-338	1/2	P/IORCVDR
IORCVDR	O	04-052-238	04-052-238	1/2	P/IORCVD
IOS0CIO	IO	04-056-011	04-052-324	1/2	P/GRD04052
IOS0GTO	O	04-056-010	04-052-323	1/2	P/GRD04052
IOS1CIO	IO	04-056-005	04-052-319	1/2	P/GRD04052
IOS1GTO	O	04-056-004	04-052-318	1/2	P/GRD04052
IOS2CIO	IO	04-056-008	04-052-309	1/2	P/GRD04052
IOS2GTO	O	04-056-007	04-052-308	1/2	P/GRD04052
IOS3CIO	IO	04-056-002	04-052-304	1/2	P/GRD04052
IOS3GTO	O	04-056-001	04-052-303	1/2	P/GRD04052
PCIGOT	I	04-052-336	04-052-336	1/2	P/PCIGOTR
PCIGOTR	I	04-052-236	04-052-236	1/2	P/PCIGOT
PCIRSET	I	04-052-240	04-052-240	1/2	P/PCIRSETR
PCIRSETR	I	04-052-340	04-052-340	1/2	P/PCIRSET
PCISELT	I	04-052-237	04-052-237	1/2	P/PCISELTR
PCISELTR	I	04-052-337	04-052-337	1/2	P/PCISELT
PCITRCK	I	04-052-339	04-052-339	1/2	P/PCITRCKR
PCITRCKR	I	04-052-239	04-052-239	1/2	P/PCITRCK
PCIXMTD	I	04-052-335	04-052-335	1/2	P/PCIXMTDR
PCIXMTDR	I	04-052-235	04-052-235	1/2	P/PCIXMTD
SOMOERR1	I	04-056-009	04-068-322	1/3	P/GRD04052
S1MOERR1	I	04-056-003	04-068-317	1/3	P/GRD04052
S2MOERR1	I	04-056-006	04-068-307	1/3	P/GRD04052
S3MOERR1	I	04-056-000	04-068-302	1/3	P/GRD04052

ELEMENT IDENTIFIER
B

DATA

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04076	G	04-076-232	04-076-213	3/1	
GRD04076	G	04-076-243	04-076-213	3/1	
GRD04076	G	04-076-332	04-076-213	3/1	
GRD04076	G	04-076-337	04-076-213	3/1	
GRD04076	G	04-076-338	04-076-213	3/1	
GRD04076	G	04-076-343	04-076-213	3/1	
GRD04076	G	04-076-213	04-076-213	3/1	
GRD04076	G	04-076-218	04-076-213	3/1	
GRD04076	G	04-076-219	04-076-213	3/1	
GRD04076	G	04-076-224	04-076-213	3/1	
GRD04076	G	04-076-313	04-076-213	3/1	
GRD04076	G	04-076-318	04-076-213	3/1	
GRD04076	G	04-076-319	04-076-213	3/1	
GRD04076	G	04-076-324	04-076-213	3/1	
GRD04076	G	04-076-237	04-076-213	3/1	
GRD04076	G	04-076-238	04-076-213	3/1	
GRD04086	G	04-086-232	04-086-338	3/2	
GRD04086	G	04-086-237	04-086-338	3/2	
GRD04086	G	04-086-238	04-086-338	3/2	
GRD04086	G	04-086-243	04-086-338	3/2	
GRD04086	G	04-086-332	04-086-338	3/2	
GRD04086	G	04-086-337	04-086-338	3/2	
GRD04086	G	04-086-338	04-086-338	3/2	
GRD04086	G	04-086-343	04-086-338	3/2	
GRD04086	G	04-086-032	04-086-338	3/2	
GRD04086	G	04-086-037	04-086-338	3/2	
GRD04086	G	04-086-038	04-086-338	3/2	
GRD04086	G	04-086-043	04-086-338	3/2	
GRD04086	G	04-086-132	04-086-338	3/2	
GRD04086	G	04-086-137	04-086-338	3/2	
GRD04086	G	04-086-138	04-086-338	3/2	
GRD04086	G	04-086-143	04-086-338	3/2	
MLRFOA	I	03-086A-FD	03-086A-FD	3/5	
MLXFOB	O	03-086B-FD	03-086B-FD	3/4	
ML0AOTF0	O	04-086-336	04-086-336	3/2	P/ML1AOTF0
ML0AOTF1	O	04-086-136	04-086-136	3/2	P/ML1AOTF1
ML0AOTF2	O	04-086-335	04-086-335	3/2	P/ML1AOTF2
ML0AOTF3	O	04-086-135	04-086-135	3/2	P/ML1AOTF3
ML0BOTF0	O	04-086-333	04-086-333	3/2	P/ML1BOTF0
ML0BOTF1	O	04-086-133	04-086-133	3/2	P/ML1BOTF1
ML0BOTF2	O	04-086-334	04-086-334	3/2	P/ML1BOTF2
ML0BOTF3	O	04-086-134	04-086-134	3/2	P/ML1BOTF3
ML1AOTF0	O	04-086-236	04-086-236	3/2	P/ML0AOTF0
ML1AOTF1	O	04-086-036	04-086-036	3/2	P/ML0AOTF1
ML1AOTF2	O	04-086-235	04-086-235	3/2	P/ML0AOTF2
ML1AOTF3	O	04-086-035	04-086-035	3/2	P/ML0AOTF3
ML1BOTF0	O	04-086-233	04-086-233	3/2	P/ML0BOTF0
ML1BOTF1	O	04-086-033	04-086-033	3/2	P/ML0BOTF1
ML1BOTF2	O	04-086-234	04-086-234	3/2	P/ML0BOTF2
ML1BOTF3	O	04-086-034	04-086-034	3/2	P/ML0BOTF3
TB0AOTF0	O	04-076-336	04-076-336	3/1	P/TB1AOTF0
TB0AOTF1	O	04-076-317	04-076-317	3/1	P/TB1AOTF1
TB0AOTF2	O	04-076-335	04-076-335	3/1	P/TB1AOTF2
TB0AOTF3	O	04-076-316	04-076-316	3/1	P/TB1AOTF3
TB0BOTF0	O	04-076-333	04-076-333	3/1	P/TB1BOTF0
TB0BOTF1	O	04-076-314	04-076-314	3/1	P/TB1BOTF1
TB0BOTF2	O	04-076-334	04-076-334	3/1	P/TB1BOTF2
TB0BOTF3	O	04-076-315	04-076-315	3/1	P/TB1BOTF3
TB1AOTF0	O	04-076-236	04-076-236	3/1	P/TB0AOTF0
TB1AOTF1	O	04-076-217	04-076-217	3/1	P/TB0AOTF1
TB1AOTF2	O	04-076-235	04-076-235	3/1	P/TB0AOTF2
TB1AOTF3	O	04-076-216	04-076-216	3/1	P/TB0AOTF3
TB1BOTF0	O	04-076-233	04-076-233	3/1	P/TB0BOTF0
TB1BOTF1	O	04-076-214	04-076-214	3/1	P/TB0BOTF1
TB1BOTF2	O	04-076-234	04-076-234	3/1	P/TB0BOTF2

ELEMENT IDENTIFIER (CONT)
B

DATA

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
TB1BOTF3	O	04-076-215	04-076-215	3/1	P/TB0BOTF3
X0MLTSP0	I	04-086-340	04-086-340	3/2	P/X1MLTSP0
X00AINML	I	04-086-342	04-086-342	3/2	P/X10AINML
X00BINML	I	04-086-341	04-086-341	3/2	P/X10BINML
X01AINML	I	04-086-142	04-086-142	3/2	P/X11AINML
X01BINML	I	04-086-141	04-086-141	3/2	P/X11BINML
X1MLTSP0	I	04-086-240	04-086-240	3/2	P/X0MLTSP0
X10AINML	I	04-086-242	04-086-242	3/2	P/X00AINML
X10BINML	I	04-086-241	04-086-241	3/2	P/X00BINML
X11AINML	I	04-086-042	04-086-042	3/2	P/X01AINML
X11BINML	I	04-086-041	04-086-041	3/2	P/X01BINML

ELEMENT IDENTIFIER
C

CLOCK

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04096	G	04-096-343	04-096-032	1/6	
GRD04096	G	04-096-337	04-096-032	1/6	
GRD04096	G	04-096-338	04-096-032	1/6	
GRD04096	G	04-096-032	04-096-032	1/6	
GRD04096	G	04-096-037	04-096-032	1/6	
GRD04096	G	04-096-038	04-096-032	1/6	
GRD04096	G	04-096-043	04-096-032	1/6	
GRD04096	G	04-096-132	04-096-032	1/6	
GRD04096	G	04-096-137	04-096-032	1/6	
GRD04096	G	04-096-138	04-096-032	1/6	
GRD04096	G	04-096-143	04-096-032	1/6	
GRD04096	G	04-096-232	04-096-032	1/6	
GRD04096	G	04-096-237	04-096-032	1/6	
GRD04096	G	04-096-238	04-096-032	1/6	
GRD04096	G	04-096-243	04-096-032	1/6	
GRD04096	G	04-096-332	04-096-032	1/6	
K00TTM8K	O	04-096-105	04-096-105	1/6	P/K0OTTM8K
K00TT8KR	O	04-096-005	04-096-005	1/6	P/K0OTTM8K
K016M0F0	O	04-096-042	04-096-042	2/1	P/K016M1F0
K016M0F1	O	04-096-242	04-096-242	2/1	P/K016M1F1
K016M0F2	O	04-096-036	04-096-036	2/1	P/K016M1F2
K016M0F3	O	04-096-236	04-096-236	2/1	P/K016M1F3
K016M1F0	O	04-096-142	04-096-142	2/1	P/K016M0F0
K016M1F1	O	04-096-342	04-096-342	2/1	P/K016M0F1
K016M1F2	O	04-096-136	04-096-136	2/1	P/K016M0F2
K016M1F3	O	04-096-336	04-096-336	2/1	P/K016M0F3
K02M0S0	O	04-096-039	04-096-039	2/1	P/K02M1S0
K02M0S1	O	04-096-239	04-096-239	2/1	P/K02M1S1
K02M0S2	O	04-096-034	04-096-034	2/1	P/K02M1S2
K02M0S3	O	04-096-234	04-096-234	2/1	P/K02M1S3
K02M1S0	O	04-096-139	04-096-139	2/1	P/K02M0S0
K02M1S1	O	04-096-339	04-096-339	2/1	P/K02M0S1
K02M1S2	O	04-096-134	04-096-134	2/1	P/K02M0S2
K02M1S3	O	04-096-334	04-096-334	2/1	P/K02M0S3
K08K0F0	O	04-096-040	04-096-040	2/1	P/K08K1F0
K08K0F1	O	04-096-240	04-096-240	2/1	P/K08K1F1
K08K0F2	O	04-096-035	04-096-035	2/1	P/K08K1F2
K08K0F3	O	04-096-235	04-096-235	2/1	P/K08K1F3
K08K1F0	O	04-096-140	04-096-140	2/1	P/K08K0F0
K08K1F1	O	04-096-340	04-096-340	2/1	P/K08K0F1
K08K1F2	O	04-096-135	04-096-135	2/1	P/K08K0F2
K08K1F3	O	04-096-335	04-096-335	2/1	P/K08K0F3

ELEMENT IDENTIFIER (CONT)
C

CLOCK

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
NCIN8KRF	I	04-096-102	04-096-102	1/6	P/NCIN8KRR
NCIN8KRR	I	04-096-002	04-096-002	1/6	P/NCIN8KRF

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
D2	6B

AT&T BELL LABORATORIES	SD-5D037-01	GB2

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER
D
POWER

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
+CURPRCM	O	04-015-006	04-052-113	1/2	
+DOSIN	I	04-015-001	04-008-111	4/1	
+DOSOT	O	04-014-001	04-178-015	4/3	
-CURPRCM	O	04-014-006	04-052-013	1/2	
-48ARTN	G	02-019-003	04-026-104	4/2	
-48BRTN	G	02-169-003	04-178-104	4/3	
-48CA	P	02-023-003	04-026-106	4/2	
-48CB	P	02-173-003	04-178-006	4/3	
-48MLIA	I	02-023-008	04-026-012	4/2	
-5	P	02-173-017	04-052-122	1/2	
-5	P	06-173-039	04-052-122	1/2	
-5	P	02-173-023	04-052-122	1/2	
-5	P	06-173-033	04-052-122	1/2	
ALMIN	I	04-015-002	04-008-117	4/1	
ALMOT	O	04-008-145	04-026-014	4/2	
ALMOT	O	04-014-002	04-026-014	4/2	
CARDIN	I	04-015-003	04-008-048	4/1	
CARDOT	O	04-014-003	04-178-113	4/3	
FALMOT	I	04-008-045	04-008-045	4/1	
GRD04178	G	06-169-039	04-178-155	4/3	
GRD04178	G	02-169-023	04-178-155	4/3	
GRD04178	G	06-169-033	04-178-155	4/3	
GRD04178	G	02-169-017	04-178-155	4/3	
OOSR	I	04-008-051	04-008-051	4/1	P/OOS3B
OOSR	I	04-008-038	04-008-051	4/1	P/OOS3B
OOS3B	I	04-008-151	04-008-151	4/1	P/OOSR
OOS3B	I	04-008-138	04-008-151	4/1	P/OOSR
RDIP3B	I	04-008-139	04-008-152	4/1	P/RDIP3BR
RDIP3B	I	04-008-152	04-008-152	4/1	P/RDIP3BR
RDIP3BR	I	04-008-052	04-008-052	4/1	P/RDIP3B
RDIP3BR	I	04-008-039	04-008-052	4/1	P/RDIP3B
RS1	O	04-015-005	04-008-124	4/1	
RS2	O	04-014-005	04-008-122	4/1	
RS3	O	04-015-004	04-008-009	4/1	
SCXR	O	04-008-054	04-008-054	4/1	P/SCX3B
SCXR	O	04-008-041	04-008-054	4/1	P/SCX3B
SCX3B	O	04-008-141	04-008-154	4/1	P/SCXR
SCX3B	O	04-008-154	04-008-154	4/1	P/SCXR
SCYR	O	04-008-053	04-008-053	4/1	P/SCY3B
SCYR	O	04-008-040	04-008-053	4/1	P/SCY3B
SCY3B	O	04-008-140	04-008-153	4/1	P/SCYR
SCY3B	O	04-008-153	04-008-153	4/1	P/SCYR
SCZR	O	04-008-055	04-008-055	4/1	P/SCZ3B
SCZR	O	04-008-042	04-008-055	4/1	P/SCZ3B
SCZ3B	O	04-008-142	04-008-155	4/1	P/SCZR
SCZ3B	O	04-008-155	04-008-155	4/1	P/SCZR

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE D2 | ISSUE 6B

AT&T BELL LABORATORIES | SD-5D037-01 | GB3

CAD 002

SCAN AND DISTRIBUTE POINTS

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-008	JACK/CP	.....			
TO 3BIOP	OOSR		P000	051	OOSR				
|	RQIP3BR		P001	052	RQIP3BR				
|	SCYR		P002	053	SCYR				
|	SDXR		P003	054	SDXR				
|	SCZR		P004	055	SCZR				
	NC			056					
TO 3BIOP	OOS3B		P000	151	OOS3B				
|	RQIP3B		P001	152	RQIP3B				
|	SCY3B		P002	153	SCY3B				
|	SDX3B		P003	154	SDX3B				
|	SCZ3B		P004	155	SCZ3B				
	NC			156					
.....J				04-008	JACK/CP	.....			
TO 3BIOP	OOSR		P005	038	OOSR	04-008	CP 051		
|	RQIP3BR		P006	039	RQIP3BR	04-008	CP 052		
|	SCYR		P007	040	SCYR	04-008	CP 053		
|	SDXR		P008	041	SDXR	04-008	CP 054		
|	SCZR		P009	042	SCZR	04-008	CP 055		
	NC			043					
TO 3BIOP	OOS3B		P005	138	OOS3B	04-008	CP 151		
|	RQIP3B		P006	139	RQIP3B	04-008	CP 152		
|	SCY3B		P007	140	SCY3B	04-008	CP 153		
|	SDX3B		P008	141	SDX3B	04-008	CP 154		
|	SCZ3B		P009	142	SCZ3B	04-008	CP 155		
	NC			143					

CAD 003

PERIPHERAL CONTROL

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-052	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	IOINTRPR		P000	Z3Z	IOINTRPR				
	IOBUSYR		P001	Z33	IOBUSYR				
	IOEVNT		P002	Z34	IOEVNT				
|	PCIXMTDR		P003	Z35	PCIXMTDR				
|	PCIGOTR		P004	Z36	PCIGOTR				
|	PCISELT		P005	Z37	PCISELT				
|	IORCVDR		P006	Z38	IORCVDR				
|	PCITRCKR		P007	Z39	PCITRCKR				
|	PCIRSET		P008	Z40	PCIRSET				
	NC			241					
	NC			242					
	NC			243					
TO MESSAGE INTERFACE/CLOCK UNIT	IOINTRP		P000	332	IOINTRP				
	IOBUSY		P001	333	IOBUSY				
|	IOEVNTR		P002	334	IOEVNTR				
|	PCIXMTD		P003	335	PCIXMTD				
|	PCIGOT		P004	336	PCIGOT				
|	PCISELTR		P005	337	PCISELTR				
|	IORCVD		P006	338	IORCVD				
|	PCITRCK		P007	339	PCITRCK				
|	PCIRSETR		P008	340	PCIRSETR				
	NC			341					
	NC			342					
	NC			343					

CAD 004

ML1 NCT LINK

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				03-086B	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	MLXF0B			F0	MLXF0B				
.....J				03-086A	JACK/CP	.....			
TO MESSAGE INTERFACE/CLOCK UNIT	MLRF0A			F0	MLRF0A				

CAD 005

NETWORK CLOCK REFERENCE

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-096	JACK/CP	.....			
	NC			000	+5				
	NC			001	+5				
TO MESSAGE INTERFACE/CLOCK UNIT	NCIN8KRR		P000	002	NCIN8KRR				
	NC			003	GRD04096				
	NC			004	GRD04096				
TO MESSAGE INTERFACE/CLOCK UNIT	KOOTT8KR		P001	005	KOOTT8KR				
	NC			100	+5				
	NC			101	+5				
TO MESSAGE INTERFACE/CLOCK UNIT	NCIN8KRF		P000	102	NCIN8KRF				
	NC			103	GRD04096				
	NC			104	GRD04096				
TO MESSAGE INTERFACE/CLOCK UNIT	KOOTTM8K		P001	105	KOOTTM8K				

CAD 006

FUSE ALARM

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-008	JACK/CP	.....			
TO FAN UNIT	FALMOT			045	FALMOT				
	NC			046					
	NC			047					
TO FUSE PANEL	ALMOT			145	ALMOT	04-026	014		
	NC			146					
	NC			147					

CAD 007

POWER AND ALARM CONTROL

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-014	TF	.....			
	NC			000	GRD04026	04-026	CP 032		
TO TIME	+OOSOT			001	+OOSOT	04-178	CP 015		
MULTIPLEXED	ALMOT			002	ALMOT	04-178	CP 014		
SWITCH UNIT	CARDOT			003	CARDOT	04-178	CP 113		
	NC			004					
TO TIME	RSZ			005	RS2	04-008	CP 122		
MULTIPLEXED	-CURPRCM			006	-CURPRCM	04-052	CP 013		
SWITCH UNIT									
	NC			007	GRD04026	04-026	CP 032		
	NC			008					
	NC			009					
	NC			010					
	NC			011					
.....J				04-015	TF	.....			
	NC			000	GRD04026	04-026	CP 032		
TO TIME	+OOSIN			001	+OOSIN	04-008	CP 111		
MULTIPLEXED	ALMIN			002	ALMIN	04-008	CP 117		
SWITCH UNIT	CARDIN			003	CARDIN	04-008	CP 048		
|	RS3			004	RS3	04-008	CP 009		
|	RS1			005	RS1	04-008	CP 124		
|	+CURPRCM			006	+CURPRCM	04-052	CP 113		
	NC			007	GRD04026	04-026	CP 032		
	NC			008					
	NC			009					
	NC			010					
	NC			011					

CAD 008

TMS SHELF CONTROL

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-056	TF	.....			
TO TIME	S3M0ERR1		P000	000	S3M0ERR1	04-068	CP 302		
MULTIPLEXED	10S3GT0		P001	001	10S3GT0	04-052	CP 303		
SWITCH UNIT	10S3C10		P002	002	10S3C10	04-052	CP 304		
|	S1M0ERR1		P003	003	S1M0ERR1	04-068	CP 317		
|	10S1GT0		P004	004	10S1GT0	04-052	CP 318		
|	10S1C10		P005	005	10S1C10	04-052	CP 319		
.....J				04-057	TF	.....			
TO TIME	GRD04052		P000	000	GRD04052	04-052	CP 200		
MULTIPLEXED	GRD04052		P001	001	GRD04052	04-052	CP 200		
SWITCH UNIT	GRD04052		P002	002	GRD04052	04-052	CP 200		
|	GRD04052		P003	003	GRD04052	04-052	CP 200		
|	GRD04052		P004	004	GRD04052	04-052	CP 200		
|	GRD04052		P005	005	GRD04052	04-052	CP 200		

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: D2 | ISSUE: 6B

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CAD 008
(CONT'D)

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-056	TF	.....			
TO TIME MULTIPLEXED SWITCH UNIT	S2M0ERR1		P006	006	S2M0ERR1	04-068	CP	307	
	I0S2GT0		P007	007	I0S2GT0	04-052	CP	308	
	I0S2CI0		P008	008	I0S2CI0	04-052	CP	309	
	S0M0ERR1		P009	009	S0M0ERR1	04-068	CP	322	
	I0S0GT0		P010	010	I0S0GT0	04-052	CP	323	
	I0S0CI0		P011	011	I0S0CI0	04-052	CP	324	
..... J				04-057	TF	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04052		P006	006	GRD04052	04-052	CP	200	
	GRD04052		P007	007	GRD04052	04-052	CP	200	
	GRD04052		P008	008	GRD04052	04-052	CP	200	
	GRD04052		P009	009	GRD04052	04-052	CP	200	
	GRD04052		P010	010	GRD04052	04-052	CP	200	
	GRD04052		P011	011	GRD04052	04-052	CP	200	

CAD 009
TEST BOARD ACCESS

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-076	JACK/CP	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04076			232	GRD04076				
	TB1B0TF0		P000	233	TB1B0TF0				
	TB1B0TF2		P001	234	TB1B0TF2				
	TB1A0TF2		P002	235	TB1A0TF2				
	TB1A0TF0		P003	236	TB1A0TF0				
	GRD04076			237	GRD04076				
	GRD04076			238	GRD04076				
	NC			239					
	NC			240					
	NC			241					
	NC			242					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04076			243	GRD04076				
	GRD04076			332	GRD04076				
	TB0B0TF0		P000	333	TB0B0TF0				
	TB0B0TF2		P001	334	TB0B0TF2				
	TB0A0TF2		P002	335	TB0A0TF2				
	TB0A0TF0		P003	336	TB0A0TF0				
	GRD04076			337	GRD04076				
	GRD04076			338	GRD04076				
	NC			339					
	NC			340					
	NC			341					
	NC			342					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04076			343	GRD04076				
..... J				04-076	JACK/CP	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04076			213	GRD04076				
	TB1B0TF1		P004	214	TB1B0TF1				
	TB1B0TF3		P005	215	TB1B0TF3				
	TB1A0TF3		P006	216	TB1A0TF3				
	TB1A0TF1		P007	217	TB1A0TF1				
	GRD04076			218	GRD04076				
	GRD04076			219	GRD04076				
	NC			220					
	NC			221					
	NC			222					
	NC			223					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04076			224	GRD04076				
	GRD04076			313	GRD04076				
	TB0B0TF1		P004	314	TB0B0TF1				
	TB0B0TF3		P005	315	TB0B0TF3				
	TB0A0TF3		P006	316	TB0A0TF3				
	TB0A0TF1		P007	317	TB0A0TF1				
	GRD04076			318	GRD04076				
	GRD04076			319	GRD04076				
	NC			320					
	NC			321					
	NC			322					

CAD 009
(CONT'D)

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-076 (CONT'D)	JACK/CP	.....			
	NC			323					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04076			324	GRD04076				

CAD 010
MLI BOARD ACCESS

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-086	JACK/CP	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04086			232	GRD04086				
	ML1B0TF0		P000	233	ML1B0TF0				
	ML1B0TF2		P001	234	ML1B0TF2				
	ML1A0TF2		P002	235	ML1A0TF2				
	ML1A0TF0		P003	236	ML1A0TF0				
	GRD04086			237	GRD04086				
	GRD04086			238	GRD04086				
	NC			239					
TO TIME MULTIPLEXED SWITCH UNIT	X1MLTSP0		P004	240	X1MLTSP0				
	X10B1NML		P005	241	X10B1NML				
	X10A1NML		P006	242	X10A1NML				
	GRD04086			243	GRD04086				
	GRD04086			332	GRD04086				
	ML0B0TF0		P000	333	ML0B0TF0				
	ML0B0TF2		P001	334	ML0B0TF2				
	ML0A0TF2		P002	335	ML0A0TF2				
	ML0A0TF0		P003	336	ML0A0TF0				
	GRD04086			337	GRD04086				
	GRD04086			338	GRD04086				
	NC			339					
TO TIME MULTIPLEXED SWITCH UNIT	X0MLTSP0		P004	340	X0MLTSP0				
	X00B1NML		P005	341	X00B1NML				
	X00A1NML		P006	342	X00A1NML				
	GRD04086			343	GRD04086				
..... J				04-086	JACK/CP	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04086			032	GRD04086				
	ML1B0TF1		P007	033	ML1B0TF1				
	ML1B0TF3		P008	034	ML1B0TF3				
	ML1A0TF3		P009	035	ML1A0TF3				
	ML1A0TF1		P010	036	ML1A0TF1				
	GRD04086			037	GRD04086				
	GRD04086			038	GRD04086				
	NC			039					
	NC			040					
TO TIME MULTIPLEXED SWITCH UNIT	X11B1NML		P011	041	X11B1NML				
	X11A1NML		P012	042	X11A1NML				
	GRD04086			043	GRD04086				
	GRD04086			132	GRD04086				
	ML0B0TF1		P007	133	ML0B0TF1				
	ML0B0TF3		P008	134	ML0B0TF3				
	ML0A0TF3		P009	135	ML0A0TF3				
	ML0A0TF1		P010	136	ML0A0TF1				
	GRD04086			137	GRD04086				
	GRD04086			138	GRD04086				
	NC			139					
	NC			140					
TO TIME MULTIPLEXED SWITCH UNIT	X01B1NML		P011	141	X01B1NML				
	X01A1NML		P012	142	X01A1NML				
	GRD04086			143	GRD04086				

CAD 011
CLOCK DISTRIBUTION

TO CONNECTION DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	FROM CONNECTION LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-096	JACK/CP	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04096			032	GRD04096				
	NC			033					
TO TIME MULTIPLEXED SWITCH UNIT	K02M0S2		P000	034	K02M0S2				
	K08K0F2		P001	035	K08K0F2				
	K016M0F2		P002	036	K016M0F2				
	GRD04096			037	GRD04096				
	GRD04096			038	GRD04096				
	K02M0S0		P003	039	K02M0S0				
	K08K0F0		P004	040	K08K0F0				
	NC			041					
TO TIME MULTIPLEXED SWITCH UNIT	K016M0F0		P005	042	K016M0F0				
	GRD04096			043	GRD04096				
	GRD04096			132	GRD04096				
	NC			133					
TO TIME MULTIPLEXED SWITCH UNIT	K02M1S2		P000	134	K02M1S2				
	K08K1F2		P001	135	K08K1F2				
	K016M1F2		P002	136	K016M1F2				
	GRD04096			137	GRD04096				
	GRD04096			138	GRD04096				
	K02M1S0		P003	139	K02M1S0				
	K08K1F0		P004	140	K08K1F0				
	NC			141					
TO TIME MULTIPLEXED SWITCH UNIT	K016M1F0		P005	142	K016M1F0				
	GRD04096			143	GRD04096				
..... J				04-096	JACK/CP	.....			
TO TIME MULTIPLEXED SWITCH UNIT	GRD04096			232	GRD04096				
	NC			233					
TO TIME MULTIPLEXED SWITCH UNIT	K02M0S3		P006	234	K02M0S3				
	K08K0F3		P007	235	K08K0F3				
	K016M0F3		P008	236	K016M0F3				
	GRD04096			237	GRD04096				
	GRD04096			238	GRD04096				
	K02M0S1		P009	239	K02M0S1				
	K08K0F1		P010	240	K08K0F1				
	NC			241					
TO TIME MULTIPLEXED SWITCH UNIT	K016M0F1		P011	242	K016M0F1				
	GRD04096			243	GRD04096				
	GRD04096			332	GRD04096				
	NC			333					
TO TIME MULTIPLEXED SWITCH UNIT	K02M1S3		P006	334	K02M1S3				
	K08K1F3		P007	335	K08K1F3				
	K016M1F3		P008	336	K016M1F3				
	GRD04096			337	GRD04096				
	GRD04096			338	GRD04096				
	K02M1S1		P009	339	K02M1S1				
	K08K1F1		P010	340	K08K1F1				
	NC			341					
TO TIME MULTIPLEXED SWITCH UNIT	K016M1F1		P011	342	K016M1F1				
	GRD04096			343	GRD04096				

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: D | ISSUE: 6B

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CAD 012

STAGING

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-014	TF	.....			
	NC			012					
	NC			013					
	NC			014					
	NC			015					
	NC			016					
	NC			017					
	NC			018					
	NC			019					
	NC			020					
	NC			021					
	NC			022					
	NC			023					
	NC			024					
.....J				04-015	TF	.....			
	NC			012					
	NC			013					
	NC			014					
	NC			015					
	NC			016					
	NC			017					
	NC			018					
	NC			019					
	NC			020					
	NC			021					
	NC			022					
	NC			023					
	NC			024					
.....J				04-056	TF	.....			
	NC			012					
	NC			013					
	NC			014					
	NC			015					
	NC			016					
	NC			017					
	NC			018					
	NC			019					
	NC			020					
	NC			021					
	NC			022					
	NC			023					
	NC			024					
.....J				04-057	TF	.....			
	NC			012	GRD04052	04-052	CP	200	
	NC			013	GRD04052	04-052	CP	200	
	NC			014	GRD04052	04-052	CP	200	
	NC			015	GRD04052	04-052	CP	200	
	NC			016	GRD04052	04-052	CP	200	
	NC			017	GRD04052	04-052	CP	200	
	NC			018	GRD04052	04-052	CP	200	
	NC			019	GRD04052	04-052	CP	200	
	NC			020	GRD04052	04-052	CP	200	
	NC			021	GRD04052	04-052	CP	200	
	NC			022	GRD04052	04-052	CP	200	
	NC			023	GRD04052	04-052	CP	200	
	NC			024	GRD04052	04-052	CP	200	
.....J				04-095	TF	.....			
	NC			000	GRD04096	04-096	CP	200	
	NC			001	GRD04096	04-096	CP	200	
	NC			002	GRD04096	04-096	CP	200	
	NC			003	GRD04096	04-096	CP	200	
	NC			004	GRD04096	04-096	CP	200	
	NC			005	GRD04096	04-096	CP	200	
	NC			006	GRD04096	04-096	CP	200	
	NC			007	GRD04096	04-096	CP	200	
	NC			008	GRD04096	04-096	CP	200	
	NC			009	GRD04096	04-096	CP	200	
	NC			010	GRD04096	04-096	CP	200	
	NC			011	GRD04096	04-096	CP	200	
	NC			012	GRD04096	04-096	CP	200	
	NC			013	GRD04096	04-096	CP	200	
	NC			014	GRD04096	04-096	CP	200	
	NC			015	GRD04096	04-096	CP	200	
	NC			016	GRD04096	04-096	CP	200	

CAD 012

(CONT'D)

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-095 (CONT'D)	TF	.....			
	NC			017	GRD04096	04-096	CP	200	
	NC			018	GRD04096	04-096	CP	200	
	NC			019	GRD04096	04-096	CP	200	
	NC			020	GRD04096	04-096	CP	200	
	NC			021	GRD04096	04-096	CP	200	
	NC			022	GRD04096	04-096	CP	200	
	NC			023	GRD04096	04-096	CP	200	
	NC			024	GRD04096	04-096	CP	200	
	NC			032	GRD04096	04-096	CP	200	
	NC			033	GRD04096	04-096	CP	200	
	NC			034	GRD04096	04-096	CP	200	
	NC			035	GRD04096	04-096	CP	200	
	NC			036	GRD04096	04-096	CP	200	
	NC			037	GRD04096	04-096	CP	200	
	NC			038	GRD04096	04-096	CP	200	
	NC			039	GRD04096	04-096	CP	200	
	NC			040	GRD04096	04-096	CP	200	
	NC			041	GRD04096	04-096	CP	200	
	NC			042	GRD04096	04-096	CP	200	
	NC			043	GRD04096	04-096	CP	200	
	NC			044	GRD04096	04-096	CP	200	
	NC			045	GRD04096	04-096	CP	200	
	NC			046	GRD04096	04-096	CP	200	
	NC			047	GRD04096	04-096	CP	200	
	NC			048	GRD04096	04-096	CP	200	
	NC			049	GRD04096	04-096	CP	200	
	NC			050	GRD04096	04-096	CP	200	
	NC			051	GRD04096	04-096	CP	200	
	NC			052	GRD04096	04-096	CP	200	
	NC			053	GRD04096	04-096	CP	200	
	NC			054	GRD04096	04-096	CP	200	
	NC			055	GRD04096	04-096	CP	200	
	NC			056	GRD04096	04-096	CP	200	
.....J				04-100	TF	.....			
	NC			000	GRD04096	04-096	CP	200	
	NC			001	GRD04096	04-096	CP	200	
	NC			002	GRD04096	04-096	CP	200	
	NC			003	GRD04096	04-096	CP	200	
	NC			004	GRD04096	04-096	CP	200	
	NC			005	GRD04096	04-096	CP	200	
	NC			006	GRD04096	04-096	CP	200	
	NC			007	GRD04096	04-096	CP	200	
	NC			008	GRD04096	04-096	CP	200	
	NC			009	GRD04096	04-096	CP	200	
	NC			010	GRD04096	04-096	CP	200	
	NC			011	GRD04096	04-096	CP	200	
	NC			012	GRD04096	04-096	CP	200	
	NC			013	GRD04096	04-096	CP	200	
	NC			014	GRD04096	04-096	CP	200	
	NC			015	GRD04096	04-096	CP	200	
	NC			016	GRD04096	04-096	CP	200	
	NC			017	GRD04096	04-096	CP	200	
	NC			018	GRD04096	04-096	CP	200	
	NC			019	GRD04096	04-096	CP	200	
	NC			020	GRD04096	04-096	CP	200	
	NC			021	GRD04096	04-096	CP	200	
	NC			022	GRD04096	04-096	CP	200	
	NC			023	GRD04096	04-096	CP	200	
	NC			024	GRD04096	04-096	CP	200	
	NC			032	GRD04096	04-096	CP	200	
	NC			033	GRD04096	04-096	CP	200	
	NC			034	GRD04096	04-096	CP	200	
	NC			035	GRD04096	04-096	CP	200	
	NC			036	GRD04096	04-096	CP	200	
	NC			037	GRD04096	04-096	CP	200	
	NC			038	GRD04096	04-096	CP	200	
	NC			039	GRD04096	04-096	CP	200	
	NC			040	GRD04096	04-096	CP	200	
	NC			041	GRD04096	04-096	CP	200	
	NC			042	GRD04096	04-096	CP	200	
	NC			043	GRD04096	04-096	CP	200	
	NC			044	GRD04096	04-096	CP	200	
	NC			045	GRD04096	04-096	CP	200	
	NC			046	GRD04096	04-096	CP	200	
	NC			047	GRD04096	04-096	CP	200	
	NC			048	GRD04096	04-096	CP	200	
	NC			049	GRD04096	04-096	CP	200	
	NC			050	GRD04096	04-096	CP	200	
	NC			051	GRD04096	04-096	CP	200	
	NC			052	GRD04096	04-096	CP	200	
	NC			053	GRD04096	04-096	CP	200	

CAD 012

(CONT'D)

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....J				04-100 (CONT'D)	TF	.....			
	NC			054	GRD04096	04-096	CP	200	
	NC			055	GRD04096	04-096	CP	200	
	NC			056	GRD04096	04-096	CP	200	

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE	ISSUE
C2	6B

AT&T BELL LABORATORIES	SD-5D037-01	GB6

CAD 013

MATT BOX INTERFACE

TO CONNECTION					FROM CONNECTION						
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION		TERMINAL	OPT	NOTE
.....J			04-042	TF	.....					
NC			003	COIMREAD	04-060	CP	210		204
NC			004	GRD04052	04-052	CP	200		204
NC			006	MBCHOLD	04-060	CP	315		204
NC			007	CMBOS0	04-060	CP	317		204
NC			008	CMBMCLK	04-060	CP	322		204
NC			009	COIMWRT	04-060	CP	209		204
NC			013	COIMDA00	04-060	CP	134		204
NC			014	COIMDA03	04-060	CP	121		204
NC			015	COIMDA06	04-060	CP	118		204
NC			016	GRD04052	04-052	CP	200		204
NC			019	COIMDA10	04-060	CP	109		204
NC			020	COIMDA12	04-060	CP	106		204
NC			035	GRD04052	04-052	CP	200		204
NC			036	GRD04052	04-052	CP	200		204
NC			037	CMBS0	04-060	CP	232		204
NC			038	CMBS3	04-060	CP	235		204
NC			042	CMBADR16	04-060	CP	206		204
NC			043	CMBADR08	04-060	CP	014		204
NC			044	CMBADR12	04-060	CP	006		204
NC			045	CMBADR14	04-060	CP	003		204
NC			046	COIMADR1	04-060	CP	032		204
NC			047	GRD04052	04-052	CP	200		204
NC			104	CMBRDY8	04-060	CP	047		204
NC			105	CMBHLDA8	04-060	CP	048		204
NC			107	GRD04052	04-052	CP	200		204
NC			108	COIMREAD	04-060	CP	210		204
NC			113	COIMDA01	04-060	CP	133		204
NC			115	COIMDA07	04-060	CP	117		204
NC			119	GRD04052	04-052	CP	200		204
NC			120	COIMDA13	04-060	CP	104		204
NC			136	GRD04052	04-052	CP	200		204
NC			137	GRD04052	04-052	CP	200		204
NC			138	GRD04052	04-052	CP	200		204
NC			142	CMBADR17	04-060	CP	204		204
NC			143	CMBADR09	04-060	CP	010		204
NC			144	CMBADR13	04-060	CP	004		204
NC			146	COIMADR2	04-060	CP	021		204
NC			147	COIMADR5	04-060	CP	018		204
NC			150	GRD04052	04-052	CP	200		204
NC			200	GRD04052	04-052	CP	200		204
NC			201	GRD04052	04-052	CP	200		204
NC			204	COIMWRT	04-060	CP	209		204
NC			210	GRD04052	04-052	CP	200		204
NC			213	COIMDA02	04-060	CP	132		204
NC			214	COIMDA04	04-060	CP	120		204
NC			218	COIMDA08	04-060	CP	115		204
NC			219	COIMDA11	04-060	CP	108		204
NC			220	COIMDA14	04-060	CP	103		204
NC			222	GRD04052	04-052	CP	200		204
NC			236	GRD04052	04-052	CP	200		204
NC			237	CMBS1	04-060	CP	233		204
NC			238	CMBS4	04-060	CP	236		204
NC			240	COIMBHE8	04-060	CP	035		204
NC			241	GRD04052	04-052	CP	200		204
NC			242	CMBADR18	04-060	CP	203		204
NC			243	CMBADR10	04-060	CP	009		204
NC			245	CMBADR15	04-060	CP	002		204
NC			246	COIMADR3	04-060	CP	020		204
NC			247	COIMADR6	04-060	CP	017		204
NC			253	GRD04052	04-052	CP	200		204
NC			300	GRD04052	04-052	CP	200		204
NC			301	GRD04052	04-052	CP	200		204
NC			307	CMBOS1	04-060	CP	318		204
NC			313	GRD04052	04-052	CP	200		204
NC			314	COIMDA05	04-060	CP	119		204
NC			318	COIMDA09	04-060	CP	110		204
NC			320	COIMDA15	04-060	CP	102		204
NC			336	COMMIOB	04-060	CP	049		204
NC			337	CMBS2	04-060	CP	234		204
NC			338	CMBS5	04-060	CP	237		204
NC			341	GRD04052	04-052	CP	200		204
NC			342	CMBADR19	04-060	CP	202		204
NC			343	CMBADR11	04-060	CP	008		204
NC			344	GRD04052	04-052	CP	200		204
NC			345	COIMADR0	04-060	CP	033		204
NC			346	COIMADR4	04-060	CP	019		204
NC			347	COIMADR7	04-060	CP	016		204
NC			352	GRD04052	04-052	CP	200		204

CAD 014

POWER AND GROUND LUGS

TO CONNECTION					FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION		TERMINAL	OPT	NOTE
.....J			02-019	LUG	.....					
TO FUSE PANEL	-48ARTN		003	-48ARTN	04-026	CP	104		204
.....J			02-023	LUG	.....					
TO FUSE PANEL	-48CA		003	-48CA	04-026	CP	106		204
.....J			02-023	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	-48MLIA		008	-48MLIA	04-026	CP	012		204
.....J			02-169	LUG	.....					
TO FUSE PANEL	-48BRTN		003	-48BRTN	04-178	CP	104		204
.....J			02-169	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04178		017	GRD04178	04-178	CP	155		204
.....J			02-169	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04178		023	GRD04178	04-178	CP	155		204
.....J			06-169	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04178		033	GRD04178	04-178	CP	155		204
.....J			06-169	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	GRD04178		039	GRD04178	04-178	CP	155		204
.....J			02-173	LUG	.....					
TO FUSE PANEL	-48CB		003	-48CB	04-178	CP	DD6		204
.....J			02-173	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	-5		017	-5	04-178	CP	032		204
.....J			02-173	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	-5		023	-5	04-178	CP	032		204
.....J			06-173	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	-5		033	-5	04-178	CP	032		204
.....J			06-173	LUG	.....					
TO TIME MULTIPLEXED SWITCH UNIT	-5		039	-5	04-178	CP	032		204

TIME MULTIPLEXED SWITCH CONTROL UNIT

DWG SIZE: E2

ISSUE: 6B

AT&T BELL LABORATORIES

SD-5D037-01

GB7

BD I

CIRCUIT BLOCK DIAGRAM

FIELD TEST SET

PART OF FS 1
SYMBOL NO. 1
TMS MICRO CONTROLLER
TMSCØNT
04-060
TN268
A

FROM MESSAGE INTERFACE/CLOCK UNIT

PART OF FS 1
SYMBOL NO. 2
FPC AND SHELF INF
TMSINT
04-052
TN269
A

PART OF FS 1
SYMBOL NO. 3
MAINT REG BRD
MAINT
04-068
TN265
A

TO TIME MULTIPLEXED SWITCH UNIT

PART OF FS 1
SYMBOL NO. 4
TST BRD CØNT
TSTCØNT
04-076
(X) TN267
(W) TN1575
B

PART OF FS 1
SYMBOL NO. 5
ASC LNK CØNT
HLICØNT
04-086
TN252
B

PART OF FS 1
SYMBOL NO. 6
CLK CONTROL AND GEN
CKCØNGN
04-096
TN270
A

FROM MESSAGE INTERFACE/CLOCK UNIT

TO MESSAGE INTERFACE/CLØCK UNIT

PART OF FS 4
SYMBOL NO. 1
PWR CONTROL & DISPLAY
PWRCØNDS
04-008
SN412
A

PART OF FS 4
SYMBOL NO. 2
DIG PWR +5
PWR+5
04-026
495FB
A

PART OF FS 4
SYMBOL NO. 3
ECL DIG PWR - 5
PWR-5
04-178
495FB
A

TIME MULTIPLEXED SWITCH UNIT
TO ODD
TO EVEN

PART OF FS 2
SYMBOL NO. 1
CLK DISTRIBUTION
CLKDIST
04-096
TN270
B

PART OF FS 3
SYMBOL NO. 1
IDLECØDE & TST CKT
TSTDATA
04-076
(X) TN267
(W) TN1575
A

PART OF FS 3
SYMBOL NO. 3
TST BRD & MLI TIMING
TBHLICK
04-096
TN270
C

PART OF FS 3
SYMBOL NO. 2
MESSAGE IØ
MLI IØ
04-086
TN252
A

PART OF FS 3
SYMBOL NO. 4
OPTIC TRANSMITTER
ØPTXMIT
03-086B
982CF
A

FROM MESSAGE INTERFACE/CLOCK UNIT

PART OF FS 3
SYMBOL NO. 5
OPTIC RECEIVER
ØPTRCV
03-086A
982CG
A

TO ODD
TO EVEN
TIME MULTIPLEXED SWITCH UNIT

TIME MULTIPLEXED SWITCH CONTROL UNIT	DWG SIZE B3	ISSUE 6B
AT&T BELL LABORATORIES	SD-5D037-01	H1