



# DESIGNATION MNEMONICS INDEX

MNEMONIC	ES/SYM	DEFINITION	MNEMONIC	ES/SYM	DEFINITION
-48VRTN0	1/1	-48 VOLT RETURN A BUS	(2-15)TC		(2-15) TRANSMIT CLOCK (SYNCHRONOUS)
-48VRTN1	2/1	-48 VOLT RETURN B BUS	(2-15)TNR		TRANSMIT NEGATIVE RAIL
-48VRTN2	4/1	-48 VOLT RETURN A BUS	(2-15)TPR		TRANSMIT POSITIVE RAIL
-48VRTN3	5/1	-48 VOLT RETURN B BUS	(2-15)TXCB		(2-15) TRANSMIT DATA B CHANNEL
-48V0	1/1	-48 VOLT SUPPLY A BUS	(2-15)CDB		(2-15) CARRIER DETECT CHANNEL B
-48V1	2/1	-48 VOLT SUPPLY B BUS	(2-15)CTSB		(2-15) CELAR TO SEND CHANNEL B
-48V2	4/1	48 VOLT SUPPLY A BUS	(2-15)DTRB		(2-15) DATA TERMINAL READY CHANNEL B
-48V3	5/1	48 VOLT SUPPLY B BUS	(2-15)GRD		(2-15) GROUND
PRVACCO	1/2	PROMUS VOLTAGE ALARM CONVERSION	(2-15)N1200		(2-15) 1200 BAUD
PRVACC1	2/2	CIRCUIT (0-1)	(2-15)RC		(2-15) RECEIVE CLOCK
PRVTA(0-15)	1/1	PROMUS VOLTAGE TERMINAL ADAPTER (0-15)	(2-15)RNR		(2-15) RECEIVE NEGATIVE RAIL
RPR		RECEIVE POSITIVE RAIL	(2-15)PRP		(2-15) RECEIVE POSITIVE RAIL
SC(00-47)CM		BUILDING ALARM CONTACTS (00-47) COMMON	(2-15)RTSB		(2-15) REQUEST TO SEND CHANNEL B
SC(00-47)NC		BUILDING ALARM CONTACTS (00-47) NORMALLY CLOSED	(2-15)RXDB		(2-15) RECEIVE DATA B
SC(00-47)NO		BUILDING ALARM CONTACTS (00-47) NORMALLY OPEN			
(0,1)ASC(00-06)P		(0,1) ALARM STATUS (00-06) POSITIVE SIDE 0 OR 1			
(0,1)ASC(00-06)N		(0,1) ALARM STATUS (00-06) NEGATIVE SIDE 0 OR 1			
(0,1)ASD(00-17)P		(0,1) ALARM STATUS (00-17) POSITIVE SIDE 0 OR 1			
(0,1)ASD(00-17)N		(0,1) ALARM STATUS (00-17) NEGATIVE SIDE 0 OR 1			
(0-13)DTE		(0-13) DATA TERMINAL EQUIPMENT			
(0-13)EXT		(0-13) EXTERNAL CLOCK			
(0,1)MRTS	1/2	MATE REQUEST TO SEND			
(0,1)MTXD	1/2	MATE TRANSMIT DATA			
(0-13)NONINVT		(0-13) NON-INVERTED DATA			
(0,1)RNR	1/1	(0,1) RECEIVE NEGATIVE RAIL			
(0,1)RPR	1/1	(0,1) RECEIVE POSITIVE RAIL			
(0,1)SC(00-47)P	3/1	(0,1) SCAN POINTS (00P THROUGH 47P) SIDE 0 OR 1			
(0,1)TNR	1/1	TRANSMIT NEGATIVE RAIL (0 OR 1)			
(0,1)TPR	1/1	TRANSMIT POSITIVE RAIL (0 OR 1)			
(0,1)TTLCD8	1/2	TTL CARRIER DETECT CHANNEL B			
(0,1)TTLCTSB	1/2	TTL CLEAR TO SEND CHANNEL B			
(0,1)TTLRTSB	1/1	TTL REQUEST TO SEND CHANNEL B			
(0,1)TTLRXDB	1/2	TTL RECEIVE DATA CHANNEL B			
(0,1)TTLTXDB	1/1	TTL TRANSMIT DATA CHANNEL B			
(2-15)SYNCR	5/2	(2-15) SYNCHRONOUS STRAP SIGNAL			
(2-15)SYNCRT		SYNCHRONOUS RETURN SIGNAL			

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LINK ADAPTER UNIT

DWG SIZE	ISSUE
C2	3B

AT&T  
BELL LABORATORIES

SD-5D064-01

AZ

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APPARATUS INDEX

INTERFRAME LEAD INDEX

EQUIP LOC	APP NO.	FIGURF SH NO.	APP FIG.			LOCATION			DESIG	FS/SYM	CAD	LOCATION			DESIG	FS/SYM	CAD	LOCATION		
			DESIG	NO.	SH NO.	DESIG	FS/SYM	APPFIG				EQPT	DESIG	FS/SYM				CAD	DESIG	FS/SYM
CIRCUIT PACKS			CIRCUIT PACKS (CONT)			CIRCUIT PACK-CP			ALARMS			ALARMS (CONT)			ALARMS (CONT)			ALARM STATUS PANEL (CONT)		
04-008	1	C1	SRA9	6	C2	ACCO	1/2	1	04-016	SC00CM	3/1	SC21NO	3/1	SC43NC	3/2	0ASD12N	1/2			
04-016	1	C1	SRA10	6	C2	ACC1	2/2	2	04-048	SC00NC	3/1	SC22CM	3/1	SC43NO	3/2	0ASD12P	1/2			
04-024	1	C1	SRA11	6	C2	SA	3/1	1	04-024	SC00ND	3/1	SC22NC	3/1	SC44CM	3/2	0ASD13N	1/2			
04-032	3	C1	SRA12	6	C2	SA	3/2	3	04-032	SC01CM	3/1	SC22NO	3/1	SC44NC	3/2	0ASD13P	1/2			
04-048	2	C1	SRA13	6	C2	SRA0	6/1	6	04-072	SC01NC	3/1	SC23CM	3/1	SC44ND	3/2	0ASD14N	1/2			
04-056	2	C1	TA0	1	C1	SRA1	6/2	6	04-080	SC01NO	3/1	SC23NC	3/1	SC45CM	3/2	0ASD14P	1/2			
04-072	4	C1	TA1	2	C1	SRA2	6/3	6	04-088	SC02CM	3/1	SC23NO	3/1	SC45NC	3/2	0ASD15N	1/2			
04-072	5	C2	TA2	5	C2	SRA3	6/4	6	04-096	SC02NC	3/1	SC24CM	3/2	SC45NO	3/2	0ASD15P	1/2			
04-072	6	C2	TA2	4	C1	SRA4	6/5	6	04-104	SC02NO	3/1	SC24NC	3/2	SC46CM	3/2	0ASD16N	1/2			
04-080	4	C1	TA3	5	C2	SRA5	6/6	6	04-112	SC03CM	3/1	SC24NO	3/2	SC46NC	3/2	0ASD16P	1/2			
04-080	5	C2	TA3	4	C1	SRA6	6/7	6	04-120	SC03NC	3/1	SC25CM	3/2	SC46ND	3/2	0ASD17N	1/2			
04-080	6	C2	TA4	5	C2	SRA7	7/1	6	04-128	SC03NO	3/1	SC25NC	3/2	SC47CM	3/2	0ASD17P	1/2			
04-088	4	C1	TA4	4	C1	SRA8	7/2	6	04-136	SC04CM	3/1	SC25NO	3/2	SC47NC	3/2	1ASC00N	2/2			
04-088	5	C2	TA5	5	C2	SRA9	7/3	6	04-144	SC04NC	3/1	SC26CM	3/2	SC47ND	3/2	1ASC00P	2/2			
04-088	6	C2	TA5	4	C1	SRA10	7/4	6	04-152	SC04ND	3/1	SC26NC	3/2			1ASC01N	2/2			
04-096	5	C2	TA6	5	C2	SRA11	7/5	6	04-160	SC05CM	3/1	SC26NO	3/2			1ASC01P	2/2			
04-096	4	C1	TA6	4	C1	SRA12	7/6	6	04-168	SC05NC	3/1	SC27CM	3/2	ALARM STATUS PANEL			1ASC02N	2/2		
04-096	6	C2	TA7	5	C2	SRA13	7/7	6	04-176	SC05NO	3/1	SC27NC	3/2	0ASC00N	1/2	1ASC02P	2/2			
04-104	4	C1	TA7	4	C1	TA0	1/1	1	04-008	SC06CM	3/1	SC27NO	3/2	0ASC00P	1/2	1ASC03N	2/2			
04-104	5	C2	TA8	5	C2	TA1	2/1	2	04-056	SC06NC	3/1	SC28CM	3/2	0ASC01N	1/2	1ASC03P	2/2			
04-104	6	C2	TA8	4	C1	TA2	4/1	5	04-072	SC06NO	3/1	SC28NC	3/2	0ASC01P	1/2	1ASC04N	2/2			
04-112	4	C1	TA9	5	C2	TA2	4/1	4	04-072	SC07CM	3/1	SC28NO	3/2	0ASC02N	1/2	1ASC04P	2/2			
04-112	5	C2	TA9	4	C1	TA3	4/2	5	04-080	SC07NC	3/1	SC29CM	3/2	0ASC02P	1/2	1ASC05N	2/2			
04-112	6	C2	TA10	5	C2	TA3	4/2	4	04-080	SC07NO	3/1	SC29NC	3/2	0ASC03N	1/2	1ASC05P	2/2			
04-120	4	C1	TA10	4	C1	TA4	4/3	5	04-088	SC08CM	3/1	SC29NO	3/2	0ASC03P	1/2	1ASC06N	2/2			
04-120	5	C2	TA11	5	C2	TA4	4/3	4	04-088	SC08NC	3/1	SC30CM	3/2	0ASC04N	1/2	1ASC06P	2/2			
04-120	6	C2	TA11	4	C1	TA5	4/4	5	04-096	SC08NO	3/1	SC30NC	3/2	0ASC04P	1/2	1ASD00N	2/2			
04-128	4	C1	TA12	5	C2	TA5	4/4	4	04-096	SC09CM	3/1	SC30NO	3/2	0ASC05N	1/2	1ASD00P	2/2			
04-128	5	C2	TA12	4	C1	TA6	4/5	5	04-104	SC09NC	3/1	SC31CM	3/2	0ASC05P	1/2	1ASD01N	2/2			
04-128	6	C2	TA13	5	C2	TA6	4/5	4	04-104	SC09NO	3/1	SC31NC	3/2	0ASC06N	1/2	1ASD01P	2/2			
04-136	4	C1	TA13	4	C1	TA7	4/6	5	04-112	SC10CM	3/1	SC31NO	3/2	0ASC06P	1/2	1ASD02N	2/2			
04-136	5	C2	TA14	5	C2	TA7	4/6	4	04-112	SC10NC	3/1	SC32CM	3/2	0ASC06N	1/2	1ASD02P	2/2			
04-136	6	C2	TA14	4	C1	TA8	4/7	5	04-120	SC10NO	3/1	SC32NC	3/2	0ASD00N	1/2	1ASD03N	2/2			
04-144	4	C1	TA15	5	C2	TA8	4/7	4	04-120	SC11CM	3/1	SC32NO	3/2	0ASD00P	1/2	1ASD03P	2/2			
04-144	5	C2	TA15	4	C1	TA9	5/1	5	04-128	SC11NC	3/1	SC33CM	3/2	0ASD01N	1/2	1ASD04N	2/2			
04-144	6	C2	TA15	4	C1	TA9	5/1	4	04-128	SC11NO	3/1	SC33NC	3/2	0ASD01P	1/2	1ASD04P	2/2			
04-152	4	C1	TA10	5/2	5	04-136	SC12CM	3/1	SC33NO	3/2	0ASD02N	1/2	0ASD02P	1/2	1ASD05N	2/2				
04-152	5	C2	TA10	5/2	4	04-136	SC12NC	3/1	SC34CM	3/2	0ASD02P	1/2	0ASD03N	1/2	1ASD05P	2/2				
04-152	6	C2	TA11	5/3	5	04-144	SC12NO	3/1	SC34NC	3/2	0ASD03P	1/2	0ASD04N	1/2	1ASD06N	2/2				
04-160	5	C2	TA11	5/3	4	04-144	SC13CM	3/1	SC34NO	3/2	0ASD04N	1/2	0ASD04P	1/2	1ASD06P	2/2				
04-160	4	C1	TA12	5/4	5	04-152	SC13NC	3/1	SC35CM	3/2	0ASD04P	1/2	0ASD05N	1/2	1ASD07N	2/2				
04-160	6	C2	TA12	5/4	4	04-152	SC13NO	3/1	SC35NC	3/2	0ASD05N	1/2	0ASD05P	1/2	1ASD07P	2/2				
04-168	4	C1	TA13	5/5	5	04-160	SC14CM	3/1	SC35NO	3/2	0ASD05P	1/2	0ASD06N	1/2	1ASD08N	2/2				
04-168	5	C2	TA13	5/5	4	04-160	SC14NC	3/1	SC36CM	3/2	0ASD06N	1/2	0ASD06P	1/2	1ASD08P	2/2				
04-168	6	C2	TA14	5/6	5	04-168	SC14NO	3/1	SC36NC	3/2	0ASD06P	1/2	0ASD07N	1/2	1ASD09N	2/2				
04-176	5	C2	TA14	5/6	4	04-168	SC15CM	3/1	SC36NO	3/2	0ASD07N	1/2	0ASD07P	1/2	1ASD09P	2/2				
04-176	4	C1	TA15	5/7	5	04-176	SC15NC	3/1	SC37CM	3/2	0ASD07P	1/2	0ASD08N	1/2	1ASD10N	2/2				
04-176	6	C2	TA15	5/7	4	04-176	SC15NO	3/1	SC37NC	3/2	0ASD08N	1/2	0ASD08P	1/2	1ASD10P	2/2				
									SC16CM	3/1	SC37NO	3/2	0ASD08P	1/2	1ASD11N	2/2				
									SC16NC	3/1	SC38CM	3/2	0ASD09N	1/2	1ASD11P	2/2				
									SC16NO	3/1	SC38NC	3/2	0ASD09P	1/2	1ASD12N	2/2				
									SC17CM	3/1	SC38NO	3/2	0ASD10N	1/2	1ASD12P	2/2				
									SC17NC	3/1	SC39CM	3/2	0ASD10P	1/2	1ASD13N	2/2				
									SC17NO	3/1	SC39NC	3/2	0ASD10P	1/2	1ASD13P	2/2				
									SC18CM	3/1	SC39NO	3/2	0ASD11N	1/2	1ASD14N	2/2				
									SC18NC	3/1	SC40CM	3/2	0ASD11P	1/2	1ASD14P	2/2				
									SC18NO	3/1	SC40NC	3/2								
									SC19CM	3/1	SC40NO	3/2								
									SC19NC	3/1	SC41CM	3/2								
									SC19NO	3/1	SC41NC	3/2								
									SC20CM	3/1	SC41NO	3/2								
									SC20NC	3/1	SC42CM	3/2								
									SC20NO	3/1	SC42NC	3/2								
									SC21CM	3/1	SC42NO	3/2								
									SC21NC	3/1	SC43CM	3/2								

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LINK ADAPTER UNIT

DWG SIZE: C2      ISSUE: 3B

AT&T BELL LABORATORIES      SD-50064-01      A3

INTERFRAME LEAD INDEX (CONT)

LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION				
DESIG	FS/SYM	CAD	DESIG	FS/SYM	CAD	DESIG	FS/SYM	CAD	DESIG	FS/SYM	CAD	DESIG	FS/SYM	CAD	DESIG	FS/SYM	CAD		
ALARM STATUS PANEL (CONT)			ISLU (CONT)			ISLU (CONT)			MODEM (CONT)			MODEM (CONT)			MODEM (CONT)				
1ASD15N	2/2		5RNR	6/6		13RNR	5/5		2TXDB	6/3		5RXDB	4/4		8GRD	4/7		10RXDB	7/4
1ASD15P	2/2		5RNR	4/4		13RPR	5/5		3CDB	6/4		5RXDB	6/6		8N1200	7/2		10SYNCH	5/2
1ASD16N	2/2		5RPR	4/4		13RPR	7/7		3CDB	4/2		5SYNCH	4/4		8N1200	4/7		10SYNCR1	5/2
1ASD16P	2/2		5RPR	6/6		13TNR	7/7		3CTSB	4/2		5SYNCR1	4/4		8NONINVT	7/2		10TC	7/4
1ASD17N	2/2		5TNR	6/6		13TNR	5/5		3DTE	6/4		5TC	6/6		8RC	4/7		10TC	5/2
1ASD17P	2/2		5TNR	4/4		13TPR	7/7		3DTRB	6/4		5TC	4/4		8RC	7/2		10TXDB	5/2
			5TPR	6/6		13TPR	5/5		3DTRB	4/2		5TXDB	4/4		8RTSB	4/7		10TXDB	7/4
			5TPR	4/4		14RNR	5/6		3EXT	6/4		5TXDB	6/6		8RXDB	4/7		11CDB	7/5
FUSE PANEL			6RNR	6/7		14RPR	5/6		3GRD	6/4		6CDB	6/7		8RXDB	7/2		11CDB	5/3
-48V0	1/1	2	6RNR	4/5		14TNR	5/6		3GRD	6/4		6CDB	4/5		8SYNCH	4/7		11CTRB	7/5
-48V1	2/1	2	6RPR	4/5		14TPR	5/6		3GRD	4/2		6CTSB	4/5		8SYNCR1	4/7		11CTSB	5/3
-48V2	6/1	2	6RPR	6/7		15RNR	5/7		3N1200	6/4		6DTE	6/7		8TC	7/2		11DTE	7/5
-48V2	4/1	2	6TNR	6/7		15RPR	5/7		3N1200	4/2		6DTRB	6/7		8TC	4/7		11DTRB	5/3
-48V3	7/1	2	6TNR	4/5		15TNR	5/7		3NONINVT	6/4		6DTRB	4/5		8TXDB	4/7		11EXT	7/5
-48V3	5/1	2	6TPR	6/7		15TPR	5/7		3RC	4/2		6EXT	6/7		8TXDB	7/2		11GRD	7/5
-48VRTN0	1/1	2	6TPR	4/5					3RC	6/4		6GRD	6/7		9CDB	7/3		11GRD	7/5
-48VRTN1	2/1	2	7RNR	7/1					3RTSB	4/2		6GRD	6/7		9CDB	5/1		11GRD	5/3
-48VRTN2	6/1	2	7RNR	4/6					3RXDB	4/2		6GRD	4/5		9CTS	5/1		11N1200	7/5
-48VRTN2	4/1	2	7RPR	4/6					3RXDB	6/4		6N1200	6/7		9DTE	7/3		11N1200	5/3
-48VRTN3	7/1	2	7RPR	7/1					3SYNCH	4/2		6N1200	4/5		9DTRB	7/3		11NONINVT	7/5
-48VRTN3	5/1	2	7TNR	7/1					3SYNCR1	4/2		6NONINVT	6/7		9DTRB	5/1		11RC	5/3
			7TNR	4/6					3TC	6/4		6RC	4/5		9EXT	7/3		11RC	7/5
			7TPR	7/1					3TC	4/2		6RC	6/7		9GRD	7/3		11RTSB	5/3
			7TPR	4/6					3TXDB	4/2		6RTSB	4/5		9GRD	7/3		11RXDB	5/3
			8RNR	7/2					3TXDB	6/4		6RXDB	4/5		9GRD	5/1		11RXDB	7/5
0RNR	1/1		8RNR	4/7					4CDB	6/5		6RXDB	6/7		9N1200	7/3		11SYNCH	5/3
0RNR	6/1		8RPR	4/7					4CDB	4/3		6SYNCH	4/5		9N1200	5/1		11SYNCR1	5/3
0RPR	6/1		8RPR	7/2					4CTSB	4/3		6SYNCR1	4/5		9NONINVT	7/3		11TC	7/5
0RPR	1/1		8TNR	7/2					4DTE	6/5		6TC	6/7		9RC	5/1		11TC	5/3
0TNR	1/1		8TNR	4/7					4DTRB	6/5		6TC	4/5		9RC	7/3		11TXDB	7/5
0TNR	6/1		8TPR	7/2					4DTRB	4/3		6TXDB	4/5		9RTSB	5/1		11TXDB	5/3
0TPR	1/1		8TPR	4/7					4EXT	6/5		6TXDB	6/7		9RXDB	5/1		12CDB	7/6
0TPR	6/1		9RNR	7/3					4GRD	6/5		7CDB	7/1		9RXDB	7/3		12CDB	5/4
1RNR	2/1		9RNR	5/1					4GRD	6/5		7CDB	4/6		9SYNCH	5/1		12CTS	5/4
1RNR	6/2		9RPR	5/1					4GRD	4/3		7CTS	4/6		9SYNCR1	5/1		12DTE	7/6
1RPR	6/2		9RPR	7/3					4N1200	6/5		7DTE	7/1		9TC	7/3		12DTRB	7/6
1RPR	2/1		9TNR	7/3					4N1200	4/3		7DTRB	7/1		9TC	5/1		12DTRB	5/4
1TNR	2/1		9TNR	5/1					4NONINVT	6/5		7DTRB	4/6		9TXDB	5/1		12EXT	7/6
1TNR	6/2		9TPR	7/3					4RC	4/3		7EXT	7/1		9TXDB	7/3		12GRD	7/6
1TPR	2/1		9TPR	5/1					4RC	6/5		7GRD	7/1		10CDB	7/4		12GRD	7/6
1TPR	6/2		10RNR	7/4					4RTSB	4/3		7GRD	7/1		10CDB	5/2		12GRD	5/4
2RNR	6/3		10RNR	5/2					4RXDB	4/3		7GRD	4/6		10CTS	5/2		12N1200	7/6
2RNR	4/1		10RPR	5/2					4RXDB	6/5		7N1200	7/1		10DTE	7/4		12N1200	5/4
2RPR	4/1		10RPR	7/4					4SYNCH	4/3		7N1200	4/6		10DTRB	7/4		12NONINVT	7/6
2RPR	6/3		10TNR	7/4					4SYNCR1	4/3		7NONINVT	7/1		10DTRB	5/2		12RC	5/4
2TNR	6/3		10TNR	5/2					4TC	6/5		7RC	4/6		10EXT	7/4		12RC	7/6
2TNR	4/1		10TPR	7/4					4TC	4/3		7RC	7/1		10GRD	7/4		12RTSB	5/4
2TPR	6/3		10TPR	5/2					4TXDB	4/3		7RTSB	4/6		10GRD	7/4		12RXDB	5/4
2TPR	4/1		11RNR	7/5					4TXDB	6/5		7RXDB	4/6		10GRD	5/2		12RXDB	7/6
3RNR	6/4		11RNR	5/3					5CDB	6/6		7RXDB	7/1		10N1200	7/4		12SYNCH	5/4
3RNR	4/2		11RPR	5/3					5CDB	4/4		7SYNCH	4/6		10N1200	5/2		12SYNCR1	5/4
3RPR	4/2		11RPR	7/5					5CTSB	4/4		7SYNCR1	4/6		10NONINVT	7/4		12TC	7/6
3RPR	6/4		11TNR	7/5					5DTE	6/6		7TC	7/1		10RC	5/2		12TC	5/4
3TNR	6/4		11TNR	5/3					5DTRB	6/6		7TC	4/6		10RC	7/4		12TXDB	5/4
3TNR	4/2		11TPR	7/5					5DTRB	4/4		7TXDB	4/6		10RTSB	5/2		12TXDB	7/6
3TPR	6/4		11TPR	5/3					5EXT	6/6		7TXDB	7/1		10RXDB	5/2		13CDB	7/7
3TPR	4/2		12RNR	7/6					5GRD	5/6		8CDB	7/2						
4RNR	6/5		12RNR	5/4					5GRD	6/6		8CDB	4/7						
4RNR	4/3		12RPR	5/4					5GRD	4/4		8CTS	4/7						
4RPR	4/3		12RPR	7/6					5N1200	6/6		8DTE	7/2						
4RPR	6/5		12TNR	7/6								8DTRB	7/2						
4TNR	6/5		12TNR	5/4					5N1200	4/4		8DTRB	4/7						
4TPR	4/3		12TPR	7/6					5NONINVT	6/6		8EXT	7/2						
4TPR	6/5		12TPR	5/4					5RC	4/4		8GRD	7/2						
4TPR	4/3		13RNR	7/7					5RC	6/6		8GRD	7/2						
									5RTSB	4/4									

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LINK ADAPTER UNIT

OWG SIZE	ISSUE
C2	3B

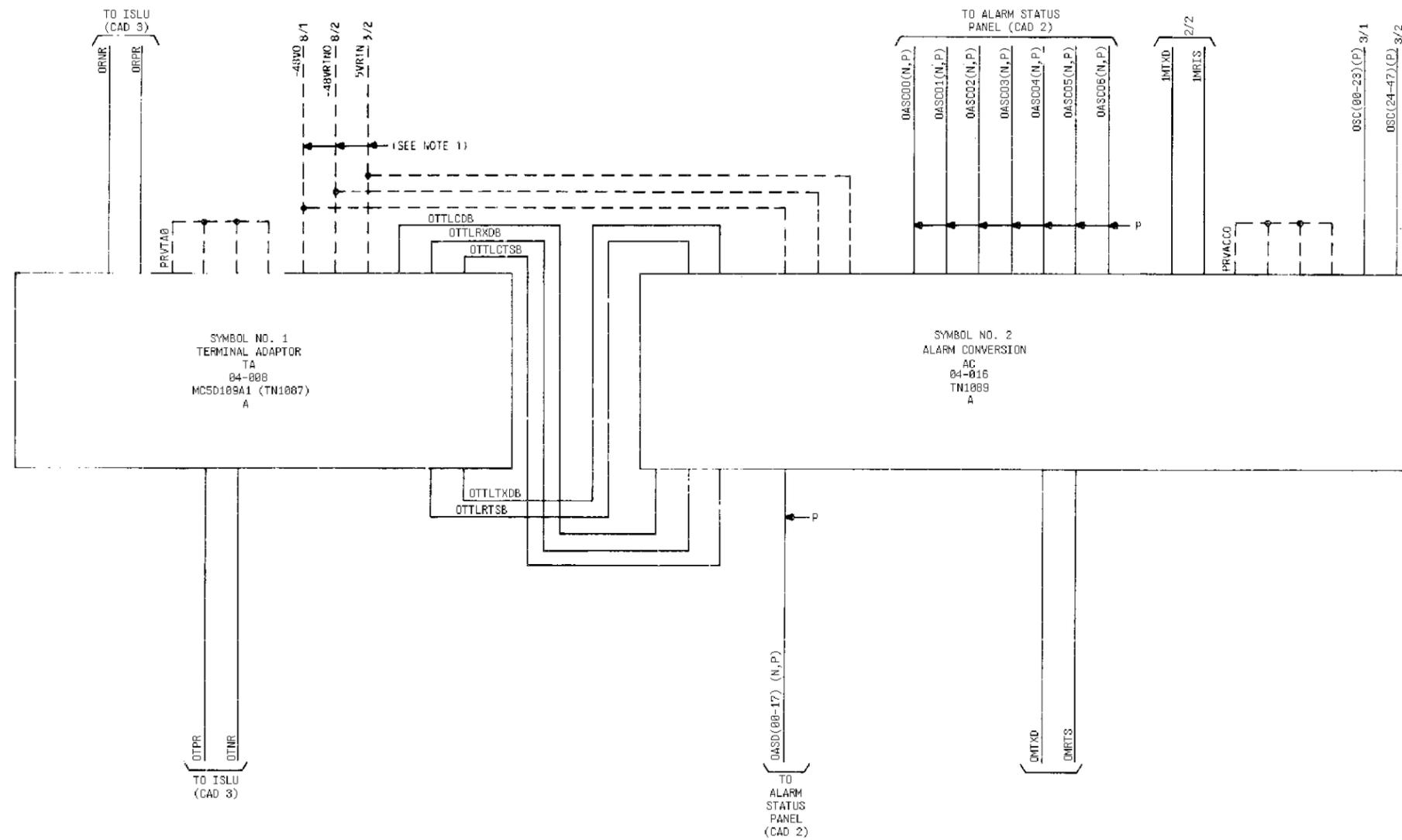
AT&T BELL LABORATORIES SD-5D064-01 A4

# FS I

ALARM PROCESSING  
SERVICE GROUP 0

NOTES:

1. DASHED LINES REPRESENT PRINTED WIRE PATHS.



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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		65	3B
AT&T BELL LABORATORIES SD-5D064-01		SHEET B1AA	

PART OF FS 1  
ALARM PROCESSING  
SERVICE GROUP 0

SYMBOL NO. 1  
TERMINAL ADAPTOR

SYMBOL NO. 1 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TAO	04-008	MC5D109A1	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TAO	04-008	MC5D109A1	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
ACCO	04-016	TN1089	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
ACCO	04-016	TN1089	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	TXDB	048			
	O	N1200	145			
	O	RTSB	148			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRON	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	STS1	044			
	I	CTSB	047			
	I	TC	049			
	I	SYNCR	050			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	MION	139			
	I	INHSTN	143			
	I	RKDB	147			
	I	RC	149			
	I	SYNCH	150			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	HLOA	313			
	I	EPROM0	314			
	I	EPROM1	315			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	RESET	320			
	I	RSTN	322			
	I	RS232	343			
	GRD	5VRTN	022			
	GRD	GRD	045			
	GRD	-48VRTNB	224			
-48VRTNO	GRD	-48VRTNB	232			
	GRD	-48VTRNA	324			
	GRD	-48VTRNA	332			TO FUSE PANEL
-48V0	PWR	-48VA	024			
	PWR	-48VA	032			TO FUSE PANEL
PRVTAO	PWR	PRV5V	122			306
	PWR	PRVPP	222			306
	PWR	PRV5V	223			306
	PWR	PRV5V	321			306
	PWR	PRV6V	323			
ORNR	I	RPR	051			TO ISLU
ORPR	I	RNR	052			TO ISLU
OTNR	O	TNR	151			TO ISLU
OTPR	O	TPR	152			TO ISLU
OTTLCDB	I	TTLCTSB	346			1/2
OTTLCTSB	I	TTLCTSB	247			1/2
OTTLRTSB	O	TTLRTSB	348			1/2
OTTLRXDB	I	TTLRXDB	347			1/2
OTTLTXDB	O	TTLTXDB	248			1/2
SVRTN	GRD	5VRTN	239			
	GRD	5VRTN	240			

SYMBOL NO. 2  
ALARM CONVERSION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
ACCO	04-016	TN1089	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-48VB	124			
	PWR	-48VB	132			
	I	SD7	000			
	I	SD6	001			
	I	SD5	002			
	I	SD4	003			
	I	SD0	100			
	I	SD1	101			
	I	SD2	102			
	I	SD3	103			
	I	AEN	123			
	I	INHSTN	143			
	I	SA0	234			
	I	SA1	235			
	I	SA2	236			
	I	SA3	237			
	I	SA4	238			
	I	SA5	239			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA6	240			
	I	SA7	241			
	I	SA8	242			
	I	SA9	243			
	I	PRPGMN	304			
	I	PRHOLDN	305			
	I	PRDDIR	306			
	I	PRADIR	307			
	I	SIDEID	311			
	I	EPROM1	313			
	I	EPROM0	314			
	I	S10M	315			
	I	SWRN	316			
	I	SRDN	317			
	I	RESET	320			
	I	RSTN	322			
	I	SA19	334			
	I	SA18	335			
	I	SA17	336			
	I	SA16	337			
	I	SA15	338			
	I	SA14	339			
	I	SA13	340			
	I	SA12	341			
	I	SA11	342			
	I	SA10	343			
	I	STSLNT	352			
	I	TPO	353			
	GRD	-48VRTN	224			
	GRD	-48VRTN	232			
-48VRTNO	GRD	-48VRTNA	324			
	GRD	-48VRTNA	332			
-48V0	PWR	-48VA	024			
PRVACCO	PWR	-48VA	032			307
	PWR	PRVPP	303			307
	PWR	PRV5V	309			
	PWR	PRV5V	310			307
	PWR	PRV5V	311			307
	PWR	PRV6V	312			307
OASCO0N	I	ASC00N	245			TO ALARM STATUS PANEL
OASCO0P	I	ASC00P	345			TO ALARM STATUS PANEL
OASCO1N	I	ASC01N	246			TO ALARM STATUS PANEL
OASCO1P	I	ASC01P	346			TO ALARM STATUS PANEL
OASCO2N	I	ASC02N	247			TO ALARM STATUS PANEL
OASCO2P	I	ASC02P	347			TO ALARM STATUS PANEL
OASCO3N	I	ASC03N	248			TO ALARM STATUS PANEL
OASCO3P	I	ASC03P	348			TO ALARM STATUS PANEL
OASCO4N	I	ASC04N	249			TO ALARM STATUS PANEL
OASCO4P	I	ASC04P	349			TO ALARM STATUS PANEL
OASCO5N	I	ASC05N	250			TO ALARM STATUS PANEL
OASCO5P	I	ASC05P	350			TO ALARM STATUS PANEL

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
OASCO6N	I	ASC06N	251			TO ALARM STATUS PANEL
OASCO6P	I	ASC06P	351			TO ALARM STATUS PANEL
OASD00N	O	ASD00N	104			TO ALARM STATUS PANEL
OASD00P	O	ASD00P	004			TO ALARM STATUS PANEL
OASD01N	O	ASD01N	105			TO ALARM STATUS PANEL
OASD01P	O	ASD01P	005			TO ALARM STATUS PANEL
OASD02N	O	ASD02N	106			TO ALARM STATUS PANEL
OASD02P	O	ASD02P	006			TO ALARM STATUS PANEL
OASD03N	O	ASD03N	107			TO ALARM STATUS PANEL
OASD03P	O	ASD03P	007			TO ALARM STATUS PANEL
OASD04N	O	ASD04N	108			TO ALARM STATUS PANEL
OASD04P	O	ASD04P	008			TO ALARM STATUS PANEL
OASD05N	O	ASD05N	109			TO ALARM STATUS PANEL
OASD05P	O	ASD05P	009			TO ALARM STATUS PANEL
OASD06N	O	ASD06N	110			TO ALARM STATUS PANEL
OASD06P	O	ASD06P	010			TO ALARM STATUS PANEL
OASD07N	O	ASD07N	111			TO ALARM STATUS PANEL
OASD07P	O	ASD07P	011			TO ALARM STATUS PANEL
OASD08N	O	ASD08N	113			TO ALARM STATUS PANEL
OASD08P	O	ASD08P	013			TO ALARM STATUS PANEL
OASD09N	O	ASD09N	114			TO ALARM STATUS PANEL
OASD09P	O	ASD09P	014			TO ALARM STATUS PANEL
OASD10N	O	ASD10N	115			TO ALARM STATUS PANEL
OASD10P	O	ASD10P	015			TO ALARM STATUS PANEL
OASD11N	O	ASD11N	116			TO ALARM STATUS PANEL
OASD11P	O	ASD11P	016			TO ALARM STATUS PANEL
OASD12N	O	ASD12N	117			TO ALARM STATUS PANEL
OASD12P	O	ASD12P	017			TO ALARM STATUS PANEL
OASD13N	O	ASD13N	118			TO ALARM STATUS PANEL

PART OF FS 1  
SYMBOL(S) 1 2

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LINK ADAPTER UNIT		DWG SIZE 2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B1CA

PART OF FS 1  
ALARM PROCESSING  
SERVICE GROUP 0

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

DESIG EQPT LOC CODE ELEM IDENT OPT  
ACCO 04-016 TN1089 A

DESIG EQPT LOC CODE ELEM IDENT OPT  
ACCO 04-016 TN1089 A

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
0ASD13P	0	ASD13P	018	STATUS PANEL TO ALARM STATUS PANEL	
0ASD14N	0	ASD14N	119	TO ALARM STATUS PANEL	
0ASD14P	0	ASD14P	019	TO ALARM STATUS PANEL	
0ASD15N	0	ASD15N	120	TO ALARM STATUS PANEL	
0ASD15P	0	ASD15P	020	TO ALARM STATUS PANEL	
0ASD16N	0	ASD16N	121	TO ALARM STATUS PANEL	
0ASD16P	0	ASD16P	021	TO ALARM STATUS PANEL	
0ASD17N	0	ASD17N	122	TO ALARM STATUS PANEL	
0ASD17P	0	ASD17P	022	TO ALARM STATUS PANEL	
0MRTS	0	MRTS	145	STATUS PANEL	2/2
0MTXD	0	MTXD	146		2/2
0SC00P	1	SC00P	200		3/1
0SC01P	1	SC01P	201		3/1
0SC02P	1	SC02P	202		3/1
0SC03P	1	SC03P	203		3/1
0SC04P	1	SC04P	204		3/1
0SC05P	1	SC05P	205		3/1
0SC06P	1	SC06P	206		3/1
0SC07P	1	SC07P	207		3/1
0SC08P	1	SC08P	208		3/1
0SC09P	1	SC09P	209		3/1
0SC10P	1	SC10P	210		3/1
0SC11P	1	SC11P	211		3/1
0SC12P	1	SC12P	212		3/1
0SC13P	1	SC13P	213		3/1
0SC14P	1	SC14P	214		3/1
0SC15P	1	SC15P	215		3/1
0SC16P	1	SC16P	216		3/1
0SC17P	1	SC17P	217		3/1
0SC18P	1	SC18P	218		3/1
0SC19P	1	SC19P	219		3/1
0SC20P	1	SC20P	220		3/1
0SC21P	1	SC21P	221		3/1
0SC22P	1	SC22P	222		3/1
0SC23P	1	SC23P	223		3/1
0SC24P	1	SC24P	033		3/2
0SC25P	1	SC25P	034		3/2
0SC26P	1	SC26P	035		3/2
0SC27P	1	SC27P	036		3/2
0SC28P	1	SC28P	037		3/2
0SC29P	1	SC29P	038		3/2
0SC30P	1	SC30P	039		3/2
0SC31P	1	SC31P	040		3/2
0SC32P	1	SC32P	041		3/2
0SC33P	1	SC33P	042		3/2
0SC34P	1	SC34P	043		3/2
0SC35P	1	SC35P	044		3/2
0SC36P	1	SC36P	045		3/2
0SC37P	1	SC37P	046		3/2
0SC38P	1	SC38P	047		3/2
0SC39P	1	SC39P	048		3/2
0SC40P	1	SC40P	049		3/2

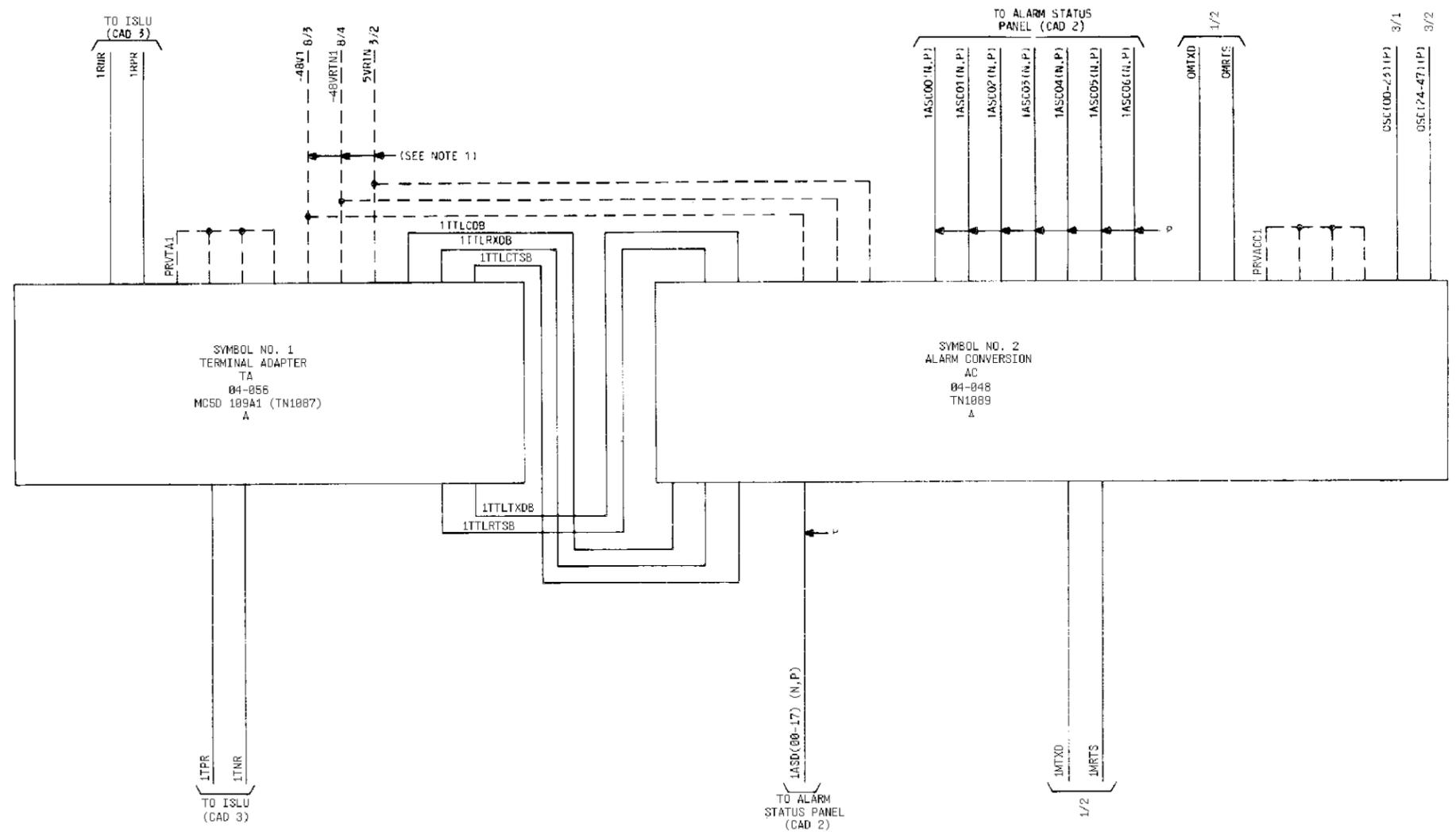
LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
0SC41P	1	SC41P	050		3/2
0SC42P	1	SC42P	051		3/2
0SC43P	1	SC43P	052		3/2
0SC44P	1	SC44P	053		3/2
0SC45P	1	SC45P	054		3/2
0SC46P	1	SC46P	055		3/2
0SC47P	1	SC47P	056		3/2
0TTLCSB	0	TTLCSB	255		1/1
0TTLCTS	0	TTLCTS	153		1/1
0TTLRTSB	1	TTLRTSB	254		1/1
0TTLRXDB	0	TTLRXDB	253		1/1
0TTLTXDB	1	TTLTXDB	154		1/1
1MRTS	1	MCTS	147		2/2
1MTXD	1	MRXD	148		2/2
1SVRTN	GRD	SVRTN	150		
	GRD	SVRTN	151		

PART OF FS 1  
SYMBOL(S) 2

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LINK ADAPTER UNIT		DWG SIZE CZ
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B1C8

**FS 2**  
ALARM PROCESSING  
SERVICE 3RUCP 1

NOTES:  
1. DASHED LINES REPRESENT PRINTED WIRE PATHS.



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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		05	3B
AT&T BELL LABORATORIES		SD-5D064-01	SHEET
			B2AA

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PART OF FS 2

ALARM PROCESSING  
SERVICE GROUP 1

SYMBOL NO. 1  
TERMINAL ADAPTOR

SYMBOL NO. 1 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA1	04-056	NC5D109A1	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA1	04-056	NC5D109A1	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
ACC1	04-048	TN1089	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
ACC1	04-048	TN1089	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PHR	-12	009			
	PHR	+12	010			
	PHR	-48VA	032			
		TXDB	048			
		N1200	145			
		RTSB	148			
		SA0	012			
		SA1	013			
		SA2	014			
		SA3	015			
		SA4	016			
		SA5	017			
		SA6	018			
		SA7	019			
		SA8	020			
		SA9	021			
		ICWRN	034			
		IORDN	036			
		MEMRDN	038			
		MEMWRN	040			
		STSO	042			
		STS1	044			
		GRD	045			
		CTSB	047			
		TC	049			
		SYNCR	050			
		JTDATA	104			
		JCTS	105			
		JCLD	106			
		JRD	107			
		JRTS	108			
		SA19	112			
		SA18	113			
		SA17	114			
		SA16	115			
		SA15	116			
		SA14	117			
		SA13	118			
		SA12	119			
		SA11	120			
		SA10	121			
		AEN	123			
		MION	139			
		INHSTN	143			
		RXDB	147			
		RC	149			
		SYNCH	150			
		SD7	206			
		SD6	207			
		SD5	208			
		SD4	209			
		PRHOLDN	215			
		PRDDIR	216			
		PRACDIR	217			
		S00	306			
		SD1	307			
		SD2	308			
		SD3	309			
		EPRDM0	314			
		EPRDM1	315			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
		RESET	320			
		RSTN	322			
		RS232	343			
		GRD	5VRTN	022		
		GRD	-48VRTNO	324		
		GRD	-48VRTNO	332		
-48VRTN1		GRD	-48VRTNB	224		
		GRD	-48VRTNB	232		TO FUSE PANEL
-48V1		PHR	-48VB	124		
		PHR	-48VB	132		TO FUSE PANEL
PRVTA1		PHR	PRV5V	122		336
		PHR	PRVPP	222		306
		PHR	PRV5V	223		336
		PHR	PRV5V	321		336
		PHR	PRV6V	323		336
1RNR		RPR	051			TO ISLU
1RPR		RNR	052			TO ISLU
1TNR		TNR	151			TO ISLU
1TPR		TPR	152			TO ISLU
1TTLCOB		TTLCOB	346			2/2
1TTLCTSB		TTLCTSB	247			2/2
1TTLRTSB		TTLRTSB	348			2/2
1TTLRXDB		TTLRXDB	347			2/2
1TTLTXDB		TTLTXDB	248			2/2
5VRTN		GRD	5VRTN	239		
		GRD	5VRTN	240		

SYMBOL NO. 2  
ALARM CONVERSION

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
ACC1	04-048	TN1089	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PHR	-48VA	024			
	PHR	-48VA	032			
		SD7	000			
		SD6	001			
		SD5	002			
		SD6	003			
		SD0	100			
		SD1	101			
		SD2	102			
		SD3	103			
		AEN	123			
		INHSTN	143			
		SA0	234			
		SA1	235			
		SA2	236			
		SA3	237			
		SA4	238			
		SA5	239			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
		SA6	240			
		SA7	241			
		SA8	242			
		SA9	243			
		PRPGMN	304			
		PRHOLDN	305			
		PRDDIR	306			
		PRADIR	307			
		SIDEID	311			
		EPRDM1	313			
		EPRDM0	314			
		S10M	315			
		SWRN	316			
		SRON	317			
		RESET	320			
		RSTN	322			
		SA19	334			
		SA18	335			
		SA17	336			
		SA16	337			
		SA15	338			
		SA14	339			
		SA13	340			
		SA12	341			
		SA11	342			
		SA10	343			
		STSINT	352			
		TP0	353			
		GRD	-48VRTNA	324		
		GRD	-48VRTNA	332		
-48VRTN1		GRD	-48VRTNB	224		
		GRD	-48VRTNB	232		
-48V1		PHR	-48VB	124		
		PHR	-48VB	132		
		PHR	PRV5V	303		
		PHR	PRV5V	309		307
		PHR	PRV5V	310		307
		PHR	PRV5V	311		307
		PHR	PRV6V	312		307
ONRTS		MCTS	147			1/2
OMTXD		MROD	148			1/2
1ASC00N		ASC00N	245			TO ALARM STATUS PANEL
1ASC00P		ASC00P	345			TO ALARM STATUS PANEL
1ASC01N		ASC01N	246			TO ALARM STATUS PANEL
1ASC01P		ASC01P	346			TO ALARM STATUS PANEL
1ASC02N		ASC02N	247			TO ALARM STATUS PANEL
1ASC02P		ASC02P	347			TO ALARM STATUS PANEL
1ASC03N		ASC03N	248			TO ALARM STATUS PANEL
1ASC03P		ASC03P	348			TO ALARM STATUS PANEL
1ASC04N		ASC04N	249			TO ALARM STATUS PANEL
1ASC04P		ASC04P	349			TO ALARM STATUS PANEL

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
1ASC05N		ASC05N	250			TO ALARM STATUS PANEL
1ASC05P		ASC05P	350			TO ALARM STATUS PANEL
1ASC06N		ASC06N	251			TO ALARM STATUS PANEL
1ASC06P		ASC06P	351			TO ALARM STATUS PANEL
1ASD00N		ASD00N	104			TO ALARM STATUS PANEL
1ASD00P		ASD00P	004			TO ALARM STATUS PANEL
1ASD01N		ASD01N	105			TO ALARM STATUS PANEL
1ASD01P		ASD01P	005			TO ALARM STATUS PANEL
1ASD02N		ASD02N	106			TO ALARM STATUS PANEL
1ASD02P		ASD02P	006			TO ALARM STATUS PANEL
1ASD03N		ASD03N	107			TO ALARM STATUS PANEL
1ASD03P		ASD03P	007			TO ALARM STATUS PANEL
1ASD04N		ASD04N	108			TO ALARM STATUS PANEL
1ASD04P		ASD04P	008			TO ALARM STATUS PANEL
1ASD05N		ASD05N	109			TO ALARM STATUS PANEL
1ASD05P		ASD05P	009			TO ALARM STATUS PANEL
1ASD06N		ASD06N	110			TO ALARM STATUS PANEL
1ASD06P		ASD06P	010			TO ALARM STATUS PANEL
1ASD07N		ASD07N	111			TO ALARM STATUS PANEL
1ASD07P		ASD07P	011			TO ALARM STATUS PANEL
1ASD08N		ASD08N	113			TO ALARM STATUS PANEL
1ASD08P		ASD08P	013			TO ALARM STATUS PANEL
1ASD09N		ASD09N	114			TO ALARM STATUS PANEL
1ASD09P		ASD09P	014			TO ALARM STATUS PANEL
1ASD10N		ASD10N	115			TO ALARM STATUS PANEL
1ASD10P		ASD10P	015			TO ALARM STATUS PANEL
1ASD11N		ASD11N	116			TO ALARM STATUS PANEL
1ASD11P		ASD11P	016			TO ALARM STATUS PANEL
1ASD12N		ASD12N	117			TO ALARM STATUS PANEL

PART OF FS 2  
SYMBOL(S) 1 2

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LINK ADAPTER UNIT		DWG SIZE C2
AT&T BELL LABORATORIES		ISSUE 3B
SD-5D064-01		B2CA

PART OF FS 2  
ALARM PROCESSING  
SERVICE GROUP 1

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

SYMBOL NO. 2 (CONT)  
ALARM CONVERSION

DESIG	EOPT	CODE	ELEM	OPT	
ACC1	04-048	TN1089	A		
LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
1ASD12P	0	ASD12P	017	STATUS PANEL TO ALARM STATUS PANEL	
1ASD13N	0	ASD13N	118	TO ALARM STATUS PANEL	
1ASD13P	0	ASD13P	018	TO ALARM STATUS PANEL	
1ASD14N	0	ASD14N	119	TO ALARM STATUS PANEL	
1ASD14P	0	ASD14P	019	TO ALARM STATUS PANEL	
1ASD15N	0	ASD15N	120	TO ALARM STATUS PANEL	
1ASD15P	0	ASD15P	020	TO ALARM STATUS PANEL	
1ASD16N	0	ASD16N	121	TO ALARM STATUS PANEL	
1ASD16P	0	ASD16P	021	TO ALARM STATUS PANEL	
1ASD17N	0	ASD17N	122	TO ALARM STATUS PANEL	
1ASD17P	0	ASD17P	022	TO ALARM STATUS PANEL	
1MRTS	0	MRTS	145	1/2	
1MTXD	0	MTXD	146	1/2	
1SC00P	I	SC00P	200	3/1	
1SC01P	I	SC01P	201	3/1	
1SC02P	I	SC02P	202	3/1	
1SC03P	I	SC03P	203	3/1	
1SC04P	I	SC04P	204	3/1	
1SC05P	I	SC05P	205	3/1	
1SC06P	I	SC06P	206	3/1	
1SC07P	I	SC07P	207	3/1	
1SC08P	I	SC08P	208	3/1	
1SC09P	I	SC09P	209	3/1	
1SC10P	I	SC10P	210	3/1	
1SC11P	I	SC11P	211	3/1	
1SC12P	I	SC12P	212	3/1	
1SC13P	I	SC13P	213	3/1	
1SC14P	I	SC14P	214	3/1	
1SC15P	I	SC15P	215	3/1	
1SC16P	I	SC16P	216	3/1	
1SC17P	I	SC17P	217	3/1	
1SC18P	I	SC18P	218	3/1	
1SC19P	I	SC19P	219	3/1	
1SC20P	I	SC20P	220	3/1	
1SC21P	I	SC21P	221	3/1	
1SC22P	I	SC22P	222	3/1	
1SC23P	I	SC23P	223	3/1	
1SC24P	I	SC24P	033	3/2	
1SC25P	I	SC25P	034	3/2	
1SC26P	I	SC26P	035	3/2	
1SC27P	I	SC27P	036	3/2	
1SC28P	I	SC28P	037	3/2	
1SC29P	I	SC29P	038	3/2	
1SC30P	I	SC30P	039	3/2	
1SC31P	I	SC31P	040	3/2	
1SC32P	I	SC32P	041	3/2	
1SC33P	I	SC33P	042	3/2	
1SC34P	I	SC34P	043	3/2	
1SC35P	I	SC35P	044	3/2	

DESIG	EOPT	CODE	ELEM	OPT	
ACC1	04-048	TN1089	A		
LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
1SC36P	I	SC36P	045	3/2	
1SC37P	I	SC37P	046	3/2	
1SC38P	I	SC38P	047	3/2	
1SC39P	I	SC39P	048	3/2	
1SC40P	I	SC40P	049	3/2	
1SC41P	I	SC41P	050	3/2	
1SC42P	I	SC42P	051	3/2	
1SC43P	I	SC43P	052	3/2	
1SC44P	I	SC44P	053	3/2	
1SC45P	I	SC45P	054	3/2	
1SC46P	I	SC46P	055	3/2	
1SC47P	I	SC47P	056	3/2	
1TTL0DB	0	TTL0DB	255	2/1	
1TTLCTS8	0	TTLCTS8	153	2/1	
1TTLRTS8	I	TTLRTS8	254	2/1	
1TTLR0DB	0	TTLR0DB	253	2/1	
1TTLTXDB	I	TTLTXDB	154	2/1	
SVRTN	GRD	SVRTN	150		
	GRD	SVRTN	151		

PART OF FS 2  
SYMBOL(S) 2

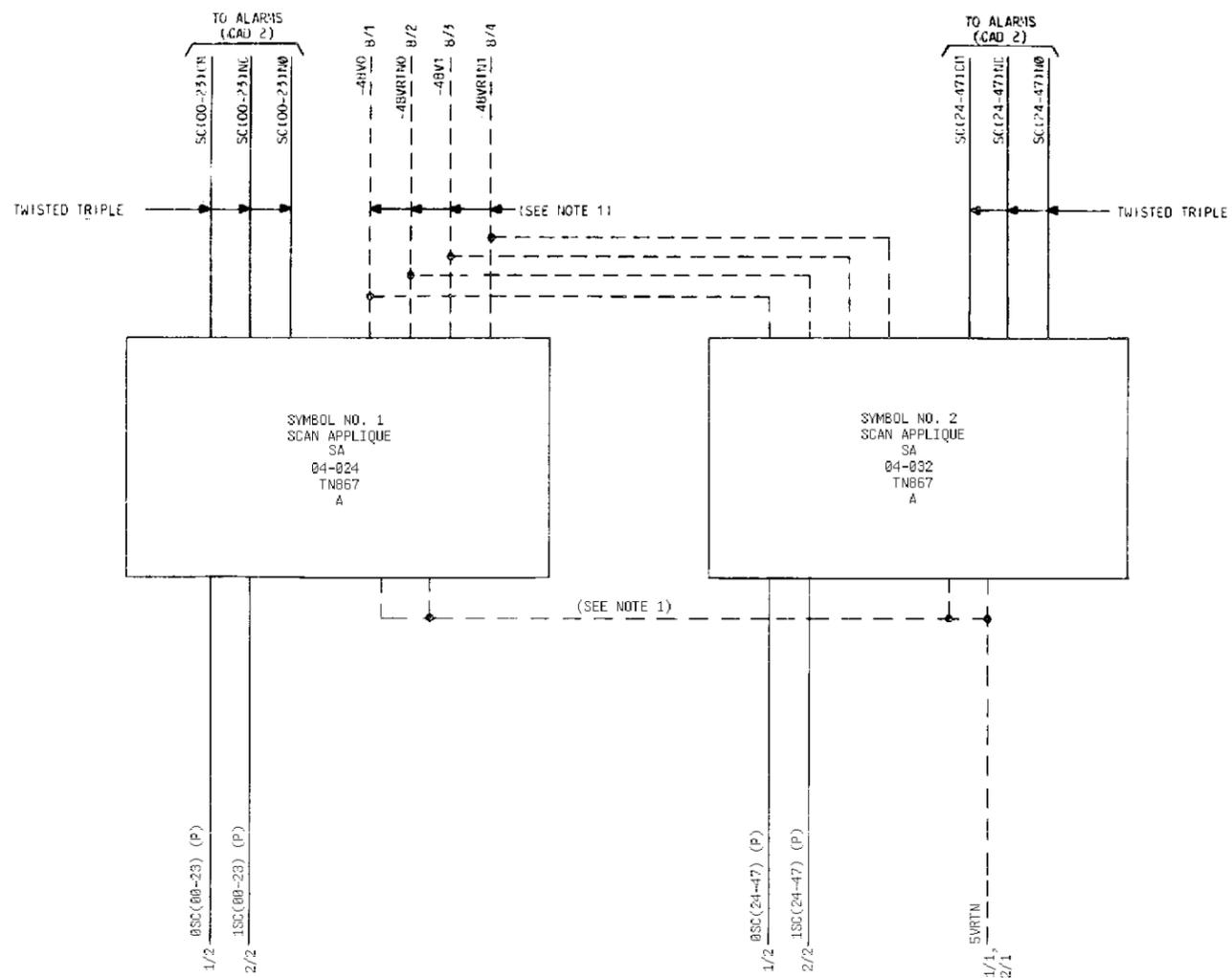
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LINK ADAPTER UNIT		DWG SIZE 2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B2CB

# FS 3

SCAN APPLIQUE CIRCUITS

NOTES:

DASHED LINES REPRESENT PRINTED WIRING PATHS.



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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		69	3B
AT&T BELL LABORATORIES	SD-5D064-01	SHEET B3AA	



PART OF FS 3  
SCAN APPLIQUE CIRCUITS

SYMBOL NO. 2 SCAN APPLIQUE							SYMBOL NO. 2 (CONT) SCAN APPLIQUE							SYMBOL NO. 2 (CONT) SCAN APPLIQUE											
DESIG	EDPT LOC	CODE	ELEM IDENT	OPT			DESIG	EDPT LOC	CODE	ELEM IDENT	OPT				DESIG	EDPT LOC	CODE	ELEM IDENT	OPT						
SA	04-032	TN867	A				SA	04-032	TN867	A					SA	04-032	TN867	A							
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE					
-48VRTW0	GRD	-48RETA	002				SC42ND	I	SC18ND	050		TO ALARMS		1SC44P	0	1SC20P	350		TO ALARMS	2/2					
-48VRTW1	GRD	-48RETB	003				SC43CH	I	SC19CH	148		TO ALARMS		1SC45P	0	1SC21P	352		TO ALARMS	2/2					
-48V0	PMR	-48A	000				SC43NC	I	SC19NC	149		TO ALARMS		1SC46P	0	1SC22P	354		TO ALARMS	2/2					
-48V1	PMR	-48B	001				SC43ND	I	SC19ND	150		TO ALARMS		1SC47P	0	1SC23P	356		TO ALARMS	2/2					
SC24CH	I	SC00CH	013		TO ALARMS		SC44CH	I	SC20CH	051		TO ALARMS		SVRTM	GRD	0SC00M	200								
SC24NC	I	SC00NC	014		TO ALARMS		SC44NC	I	SC20NC	052		TO ALARMS			GRD	1SC00M	201								
SC24ND	I	SC00ND	015		TO ALARMS		SC44ND	I	SC20ND	053		TO ALARMS			GRD	0SC01M	202								
SC25CH	I	SC01CH	113		TO ALARMS		SC45CH	I	SC21CH	151		TO ALARMS			GRD	1SC01M	203								
SC25NC	I	SC01NC	114		TO ALARMS		SC45NC	I	SC21NC	152		TO ALARMS			GRD	0SC02M	204								
SC25ND	I	SC01ND	115		TO ALARMS		SC45ND	I	SC21ND	153		TO ALARMS			GRD	1SC02M	205								
SC26CH	I	SC02CH	016		TO ALARMS		SC46CH	I	SC22CH	054		TO ALARMS			GRD	0SC03M	206								
SC26NC	I	SC02NC	017		TO ALARMS		SC46NC	I	SC22NC	055		TO ALARMS			GRD	1SC03M	207								
SC26ND	I	SC02ND	018		TO ALARMS		SC46ND	I	SC22ND	056		TO ALARMS			GRD	0SC04M	208								
SC27CH	I	SC03CH	116		TO ALARMS		SC47CH	I	SC23CH	154		TO ALARMS			GRD	1SC04M	209								
SC27NC	I	SC03NC	117		TO ALARMS		SC47NC	I	SC23NC	155		TO ALARMS			GRD	0SC05M	210								
SC27ND	I	SC03ND	118		TO ALARMS		SC47ND	I	SC23ND	156		TO ALARMS			GRD	1SC05M	211								
SC28CH	I	SC04CH	019		TO ALARMS		0SC24P	0	0SC00P	300		1/2		GRD	0SC06M	213									
SC28NC	I	SC04NC	020		TO ALARMS		0SC25P	0	0SC01P	302		1/2		GRD	1SC06M	214									
SC28ND	I	SC04ND	021		TO ALARMS		0SC26P	0	0SC02P	304		1/2		GRD	0SC07M	215									
SC29CH	I	SC05CH	119		TO ALARMS		0SC27P	0	0SC03P	306		1/2		GRD	1SC07M	216									
SC29NC	I	SC05NC	120		TO ALARMS		0SC28P	0	0SC04P	308		1/2		GRD	0SC08M	217									
SC29ND	I	SC05ND	121		TO ALARMS		0SC29P	0	0SC05P	310		1/2		GRD	1SC08M	218									
SC30CH	I	SC06CH	022		TO ALARMS		0SC30P	0	0SC06P	313		1/2		GRD	0SC09M	219									
SC30NC	I	SC06NC	023		TO ALARMS		0SC31P	0	0SC07P	315		1/2		GRD	1SC09M	220									
SC30ND	I	SC06ND	024		TO ALARMS		0SC32P	0	0SC08P	317		1/2		GRD	0SC10M	221									
SC31CH	I	SC07CH	122		TO ALARMS		0SC33P	0	0SC09P	319		1/2		GRD	1SC10M	222									
SC31NC	I	SC07NC	123		TO ALARMS		0SC34P	0	0SC10P	321		1/2		GRD	0SC11M	223									
SC31ND	I	SC07ND	124		TO ALARMS		0SC35P	0	0SC11P	323		1/2		GRD	1SC11M	224									
SC32CH	I	SC08CH	032		TO ALARMS		0SC36P	0	0SC12P	332		1/2		GRD	0SC12M	232									
SC32NC	I	SC08NC	033		TO ALARMS		0SC37P	0	0SC13P	334		1/2		GRD	1SC12M	233									
SC32ND	I	SC08ND	034		TO ALARMS		0SC38P	0	0SC14P	336		1/2		GRD	0SC13M	234									
SC33CH	I	SC09CH	132		TO ALARMS		0SC39P	0	0SC15P	338		1/2		GRD	1SC13M	235									
SC33NC	I	SC09NC	133		TO ALARMS		0SC40P	0	0SC16P	340		1/2		GRD	0SC14M	236									
SC33ND	I	SC09ND	134		TO ALARMS		0SC41P	0	0SC17P	342		1/2		GRD	1SC14M	237									
SC34CH	I	SC10CH	035		TO ALARMS		0SC42P	0	0SC18P	345		1/2		GRD	0SC15M	238									
SC34NC	I	SC10NC	036		TO ALARMS		0SC43P	0	0SC19P	347		1/2		GRD	1SC15M	239									
SC34ND	I	SC10ND	037		TO ALARMS		0SC44P	0	0SC20P	349		1/2		GRD	0SC16M	240									
SC35CH	I	SC11CH	135		TO ALARMS		0SC45P	0	0SC21P	351		1/2		GRD	1SC16M	241									
SC35NC	I	SC11NC	136		TO ALARMS		0SC46P	0	0SC22P	353		1/2		GRD	0SC17M	242									
SC35ND	I	SC11ND	137		TO ALARMS		0SC47P	0	0SC23P	355		1/2		GRD	1SC17M	243									
SC36CH	I	SC12CH	038		TO ALARMS		1SC24P	0	1SC00P	301		2/2		GRD	0SC18M	245									
SC36NC	I	SC12NC	039		TO ALARMS		1SC25P	0	1SC01P	303		2/2		GRD	1SC18M	246									
SC36ND	I	SC12ND	040		TO ALARMS		1SC26P	0	1SC02P	305		2/2		GRD	0SC19M	247									
SC37CH	I	SC13CH	138		TO ALARMS		1SC27P	0	1SC03P	307		2/2		GRD	1SC19M	248									
SC37NC	I	SC13NC	139		TO ALARMS		1SC28P	0	1SC04P	309		2/2		GRD	0SC20M	249									
SC37ND	I	SC13ND	140		TO ALARMS		1SC29P	0	1SC05P	311		2/2		GRD	1SC20M	250									
SC38CH	I	SC14CH	041		TO ALARMS		1SC30P	0	1SC06P	314		2/2		GRD	0SC21M	251									
SC38NC	I	SC14NC	042		TO ALARMS		1SC31P	0	1SC07P	316		2/2		GRD	1SC21M	252									
SC38ND	I	SC14ND	043		TO ALARMS		1SC32P	0	1SC08P	318		2/2		GRD	0SC22M	253									
SC39CH	I	SC15CH	141		TO ALARMS		1SC33P	0	1SC09P	320		2/2		GRD	1SC22M	254									
SC39NC	I	SC15NC	142		TO ALARMS		1SC34P	0	1SC10P	322		2/2		GRD	0SC23M	255									
SC39ND	I	SC15ND	143		TO ALARMS		1SC35P	0	1SC11P	324		2/2		GRD	1SC23M	256									
SC40CH	I	SC16CH	045		TO ALARMS		1SC36P	0	1SC12P	333		2/2													
SC40NC	I	SC16NC	046		TO ALARMS		1SC37P	0	1SC13P	335		2/2													
SC40ND	I	SC16ND	047		TO ALARMS		1SC38P	0	1SC14P	337		2/2													
SC41CH	I	SC17CH	145		TO ALARMS		1SC39P	0	1SC15P	339		2/2													
SC41NC	I	SC17NC	146		TO ALARMS		1SC40P	0	1SC16P	341		2/2													
SC41ND	I	SC17ND	147		TO ALARMS		1SC41P	0	1SC17P	343		2/2													
SC42CH	I	SC18CH	048		TO ALARMS		1SC42P	0	1SC18P	346		2/2													
SC42NC	I	SC18NC	049		TO ALARMS		1SC43P	0	1SC19P	348		2/2													

PART OF FS 3  
SYMBOL(S) 2

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LTRK ADAPTER UNIT

DWG SIZE: 12 ISSUE: 3B

AT&T BELL LABORATORIES SD-5D064-01 B3CB



PART OF FS 4  
TERMINAL ADAPTORS

SYMBOL NO. 1  
TERMINAL ADAPTOR

SYMBOL NO. 1 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 2 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 2 (CONT)  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TAZ	04-072	MCSD109A1	A	(4)
TAZ	04-072	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TAZ	04-072	MCSD109A1	A	(4)
TAZ	04-072	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA3	04-080	MCSD109A1	A	(4)
TA3	04-080	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA3	04-080	MCSD109A1	A	(4)
TA3	04-080	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	HRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRON	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	ST51	044			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	HION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	TTLCTSB	247			
	I	TTLTXDB	248			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RTSN	322			
	I	TTLCOB	346			
	I	TTLRXDB	347			
	I	TTLRTSB	348			

SYMBOL NO. 2  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA3	04-080	MCSD109A1	A	(4)
TA3	04-080	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	HRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			

PART OF FS 4  
SYMBOL(S) 1 2

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LINK ADAPTER UNIT		DWG SIZE CZ
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B4CA

PART OF FS 4  
TERMINAL ADAPTORS

SYMBOL NO. 3  
TERMINAL ADAPTOR

SYMBOL NO. 3 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 4 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 4 (CONT)  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA4	04-088	MCSD109A1	A	(4)
TA4	04-088	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA4	04-088	MCSD109A1	A	(4)
TA4	04-088	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA5	04-096	MCSD109A1	A	(4)
TA5	04-096	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA5	04-096	MCSD109A1	A	(4)
TA5	04-096	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	PHR	-12	009		
	PHR	+12	010		
	PHR	-48VB	124		
	PHR	-48VB	132		
	RDN		318		
	WRN		319		
	SA0		012		
	SA1		013		
	SA2		014		
	SA3		015		
	SA4		016		
	SA5		017		
	SA6		018		
	SA7		019		
	SA8		020		
	SA9		021		
	10WRN		034		
	10RDN		036		
	MEMRDN		038		
	MEMWRN		040		
	STS0		042		
	STS1		044		
	JTDATA		104		
	JCTS		105		
	JCLD		106		
	JRD		107		
	JRTS		108		
	SA19		112		
	SA18		113		
	SA17		114		
	SA16		115		
	SA15		116		
	SA14		117		
	SA13		118		
	SA12		119		
	SA11		120		
	SA10		121		
	AEN		123		
	MION		139		
	INHSTN		143		
	SD7		206		
	SD6		207		
	SD5		208		
	SD4		209		
	PRHOLDN		215		
	PRDDIR		216		
	PRADDIR		217		
	TTLCTSB		247		
	TTLTXDB		248		
	SD0		306		
	SD1		307		
	SD2		308		
	SD3		309		
	EPROM0		314		
	EPROM1		315		
	RESET		320		
	RSTN		322		
	TTLCOB		346		
	TTLRXDB		347		
	TTLRTSB		348		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	GRD	5VRTN	022		
	GRD	-48VRTNB	224		
	GRD	-48VRTNB	232		
-48VRTN2	GRD	5VRTN	240		
	GRD	-48VRTNO	324		
	GRD	-48VRTNO	332		
-48V2	PHR	-48VA	024		
	PHR	-48VA	032		
PRVTA4	PHR	PRVSV	122		306
	PHR	PRVPP	222		306
	PHR	PRVSV	223		306
	PHR	PRVSV	321		306
	PHR	PRV6V	323		306
4CDB	I	CDB	046	TO MODEM	
4CTSB	I	CTSB	047	TO MODEM	
4DTRB	O	DTRB	146	TO MODEM	
4GRD	GRD	GRD	045	TO MODEM	
4N1200	O	N1200	145	TO MODEM	312
4RC	I	RC	149	TO MODEM	
4RNR	I	RNR	052	TO ISLU	
4RPR	I	RPR	051	TO ISLU	
4RS232	I	RS232	343		
	GRD	5VRTN	239		
4RTSB	O	RTSB	148	TO MODEM	
4RXDB	I	RXDB	147	TO MODEM	
4SYNCR	I	SYNCR	150	TO MODEM	310
4SYNCRT	GRD	SYNCRT	050	TO MODEM	310
4TC	I	TC	049	TO MODEM	
4TNR	O	TNR	151	TO ISLU	
4TPR	O	TPR	152	TO ISLU	
4TXDB	O	TXDB	048	TO MODEM	

SYMBOL NO. 4  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA5	04-096	MCSD109A1	A	(4)
TA5	04-096	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	PHR	-12	009		
	PHR	+12	010		
	PHR	-48VB	124		
	PHR	-48VB	132		
	RDN		318		
	WRN		319		
	SA0		012		
	SA1		013		
	SA2		014		
	SA3		015		
	SA4		016		
	SA5		017		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	I	SA6	018		
	I	SA7	019		
	I	SA8	020		
	I	SA9	021		
	I	10WRN	034		
	I	10RDN	036		
	I	MEMRDN	038		
	I	MEMWRN	040		
	I	STS0	042		
	I	STS1	044		
	I	JTDATA	104		
	I	JCTS	105		
	I	JCLD	106		
	I	JRD	107		
	I	JRTS	108		
	I	SA19	112		
	I	SA18	113		
	I	SA17	114		
	I	SA16	115		
	I	SA15	116		
	I	SA14	117		
	I	SA13	118		
	I	SA12	119		
	I	SA11	120		
	I	SA10	121		
	I	AEN	123		
	I	MION	139		
	I	INHSTN	143		
	I	SD7	206		
	I	SD6	207		
	I	SD5	208		
	I	SD4	209		
	I	PRHOLDN	215		
	I	PRDDIR	216		
	I	PRADDIR	217		
	I	TTLCTSB	247		
	I	TTLTXDB	248		
	I	SD0	306		
	I	SD1	307		
	I	SD2	308		
	I	SD3	309		
	I	EPROM0	314		
	I	EPROM1	315		
	I	RESET	320		
	I	RSTN	322		
	I	TTLCOB	346		
	I	TTLRXDB	347		
	I	TTLRTSB	348		
	GRD	5VRTN	022		
	GRD	-48VRTNB	224		
	GRD	-48VRTNB	232		
-48VRTN2	GRD	5VRTN	240		
	GRD	-48VRTNO	324		
	GRD	-48VRTNO	332		
-48V2	PHR	-48VA	024		
	PHR	-48VA	032		
PRVTA5	PHR	PRVSV	122		306
	PHR	PRVPP	222		306
	PHR	PRVSV	223		306
	PHR	PRVSV	321		306

PART OF FS 4  
SYMBOL(S) 3 4

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LINK ADAPTER UNIT		DWG SIZE C
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	84 CB

PART OF FS 4  
TERMINAL ADAPTORS

SYMBOL NO. 5  
TERMINAL ADAPTOR

SYMBOL NO. 5 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 6 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 6 (CONT)  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA6	04-104	MC5D109A1	A	(4)
TA6	04-104	MC5D118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA6	04-104	MC5D109A1	A	(4)
TA6	04-104	MC5D118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA7	04-112	MC5D109A1	A	(4)
TA7	04-112	MC5D118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA7	04-112	MC5D109A1	A	(4)
TA7	04-112	MC5D118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	10HRN	034			
	I	10RDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	STS1	044			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDIR	216			
	I	PRADDIR	217			
	I	TTLCTS	247			
	I	TTLTXDB	248			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	I	TTLCSB	346			
	I	TTLRXDB	347			
	I	TTLRTSB	348			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	5VRTN	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	5VRTN	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
PRVTA6	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
6CDB	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
	I	CTS	047		TO MODEM	
6DTRB	O	DTRB	146		TO MODEM	
6GRD	GRD	GRD	045		TO MODEM	
6N1200	O	N1200	145		TO MODEM	312
6RC	I	RC	149		TO MODEM	
6RNR	I	RNR	052		TO ISLU	
6RPR	I	RPR	051		TO ISLU	
6RS232	I	RS232	343			
	GRD	5VRTN	239			
6RTSB	O	RTSB	148		TO MODEM	
6RXDB	I	RXDB	147		TO MODEM	
6SYNCR	I	SYNCR	150		TO MODEM	310
6SYNCR	GRD	SYNCR	050		TO MODEM	310
6TC	I	TC	049		TO MODEM	
6TNR	O	TNR	151		TO ISLU	
6TPR	O	TPR	152		TO ISLU	
6TXDB	O	TXDB	048		TO MODEM	

SYMBOL NO. 6  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA7	04-112	MC5D109A1	A	(4)
TA7	04-112	MC5D118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	10HRN	034			
	I	10RDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	STS1	044			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDIR	216			
	I	PRADDIR	217			
	I	TTLCTS	247			
	I	TTLTXDB	248			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	I	TTLCSB	346			
	I	TTLRXDB	347			
	I	TTLRTSB	348			
	GRD	5VRTN	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	5VRTN	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
PRVTA7	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
7CDB	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
7CTS	I	CTS	047		TO MODEM	
7DTRB	O	DTRB	146		TO MODEM	
7GRD	GRD	GRD	045		TO MODEM	
7N1200	O	N1200	145		TO MODEM	312
7RC	I	RC	149		TO MODEM	
7RNR	I	RNR	052		TO ISLU	
7RPR	I	RPR	051		TO ISLU	
7RS232	I	RS232	343			
	GRD	5VRTN	239			
7RTSB	O	RTSB	148		TO MODEM	
7RXDB	I	RXDB	147		TO MODEM	
7SYNCR	I	SYNCR	150		TO MODEM	310
7SYNCR	GRD	SYNCR	050		TO MODEM	310
7TC	I	TC	049		TO MODEM	
7TNR	O	TNR	151		TO ISLU	
7TPR	O	TPR	152		TO ISLU	
7TXDB	O	TXDB	048		TO MODEM	

PART OF FS 4  
SYMBOL(S) 5 6

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LINK ADAPTER UNIT

AT&T BELL LABORATORIES

SD-5D064-01

OMG SIZE 12

ISSUE 3B

B4CC

PART OF FS 4  
TERMINAL ADAPTORS

SYMBOL NO. 7  
TERMINAL ADAPTOR

SYMBOL NO. 7 (CONT)  
TERMINAL ADAPTOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TAB	04-120	MC5D109A1	A	(4)
TAB	04-120	MC5D118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TAB	04-120	MC5D109A1	A	(4)
TAB	04-120	MC5D118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	RDN		318			
	WRN		319			
	SA0		012			
	SA1		013			
	SA2		014			
	SA3		015			
	SA4		016			
	SA5		017			
	SA6		018			
	SA7		019			
	SA8		020			
	SA9		021			
	IOHWN		034			
	IORDN		036			
	MEMRDN		038			
	MEMHWN		040			
	STSO		042			
	STS1		044			
	JTDATA		104			
	JCTS		105			
	JCLD		106			
	JRD		107			
	JRTS		108			
	SA19		112			
	SA18		113			
	SA17		114			
	SA16		115			
	SA15		116			
	SA14		117			
	SA13		118			
	SA12		119			
	SA11		120			
	SA10		121			
	AEN		123			
	MION		139			
	INHSTN		143			
	SD7		206			
	SD6		207			
	SD5		208			
	SD4		209			
	PRHOLDN		215			
	PRDDIR		216			
	PRADDIR		217			
	TTLCTSB		247			
	TTLTXDB		248			
	SD0		306			
	SD1		307			
	SD2		308			
	SD3		309			
	EPROM0		314			
	EPROM1		315			
	RESET		320			
	RSTN		322			
	TTLCDB		346			
	TTLRXDB		347			
	TTLRTSB		348			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	5VRTN	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
	GRD	5VRTN	240			
-48VRTN2	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			306
PRVTA8	PWR	PRVSV	122			
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
8CDB	I	COB	046		TO MODEM	
8CTSB	I	CTSB	047		TO MODEM	
8DTRB	O	DTRB	146		TO MODEM	
8GRD	GRD	GRD	045		TO MODEM	
8N1200	O	N1200	145		TO MODEM	312
8RC	I	RC	149		TO MODEM	
8RNR	I	RNR	052		TO ISLU	
8RPR	I	RPR	051		TO ISLU	
8RS232	I	RS232	343			
	GRD	5VRTN	239			
8RTSB	O	RTSB	148		TO MODEM	
8RXDB	I	RXDB	147		TO MODEM	
8SYNCR	I	SYNCR	150		TO MODEM	310
8SYNCRT	GRD	SYNCRT	050		TO MODEM	310
8TC	I	TC	049		TO MODEM	
8TNR	O	TNR	151		TO ISLU	
8TPR	O	TPR	152		TO ISLU	
8TXDB	O	TXDB	048		TO MODEM	

PART OF FS 4  
SYMBOL(S) 7

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LINK ADAPTER UNIT

OMG SIZE  
CZ

ISSUE  
3B

AT&T  
BELL LABORATORIES

SD-5D064-01

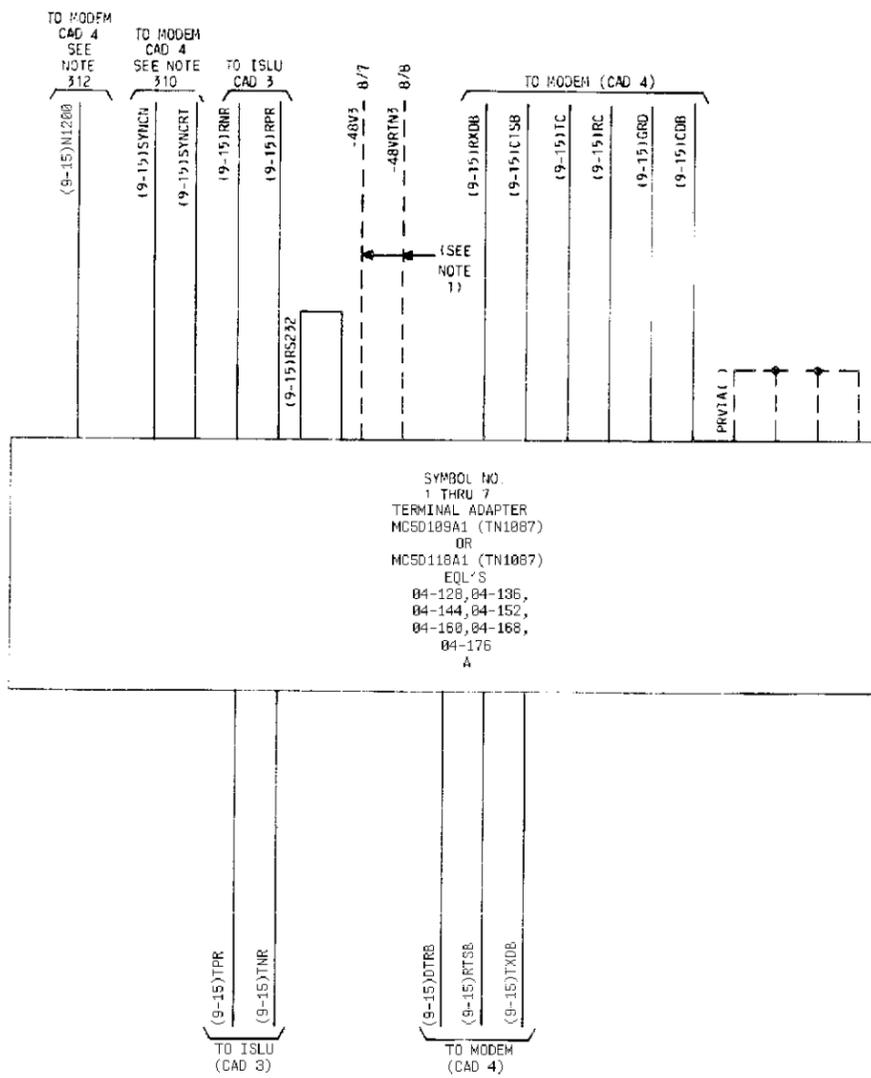
B4 CD

# FS 5

TERMINAL ADAPTERS

NOTES:

1. DASHED LINES REPRESENT PRINTED WIRING PATHS.



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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		85	3B
AT&T BELL LABORATORIES	SD-5D064-01		SHEET B5AA

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PART OF FS 5  
TERMINAL ADAPTORS

SYMBOL NO. 1  
TERMINAL ADAPTOR

SYMBOL NO. 1 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 2 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 2 (CONT)  
TERMINAL ADAPTOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA9	04-128	MC5D109A1	A	(4)
TA9	04-128	MC5D118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA9	04-128	MC5D109A1	A	(4)
TA9	04-128	MC5D118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA10	04-136	MC5D109A1	A	(4)
TA10	04-136	MC5D118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA10	04-136	MC5D109A1	A	(4)
TA10	04-136	MC5D118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009		
	PWR	+12	010		
	PWR	-48VA	024		
	PWR	-48VA	032		
	RDN		318		
	O	HRN	319		
	I	SA0	012		
	I	SA1	013		
	I	SA2	014		
	I	SA3	015		
	I	SA4	016		
	I	SA5	017		
	I	SA6	018		
	I	SA7	019		
	I	SA8	020		
	I	SA9	021		
	I	IONRN	034		
	I	IORDN	036		
	I	MEMRDN	038		
	I	MEMRNR	040		
	I	STS0	042		
	I	STS1	044		
	I	JTDATA	104		
	I	JCTS	105		
	I	JCLD	106		
	I	JRD	107		
	I	JRTS	108		
	I	SA19	112		
	I	SA18	113		
	I	SA17	114		
	I	SA16	115		
	I	SA15	116		
	I	SA14	117		
	I	SA13	118		
	I	SA12	119		
	I	SA11	120		
	I	SA10	121		
	I	AEN	123		
	I	MION	139		
	I	INHSTN	143		
	I	SD7	206		
	I	SD6	207		
	I	SD5	208		
	I	SD4	209		
	I	PRHOLDN	215		
	I	PRDDIR	216		
	I	PRADDIR	217		
	I	TTLCTS	247		
	I	TTLTXDB	248		
	I	SD0	306		
	I	SD1	307		
	I	SD2	308		
	I	SD3	309		
	I	EPROM0	314		
	I	EPROM1	315		
	I	RESET	320		
	I	RSTN	322		
	I	TTLCSB	346		
	I	TTLRXDB	347		
	I	TTLRTSB	348		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	GRD	5VRTN	022		
	GRD	5VRTN	240		
	GRD	-48VRTNO	324		
-48VRTN3	GRD	-48VRTNO	332		
	GRD	-48VRTNB	224		
	GRD	-48VRTNB	232		TO FUSE PANEL
-48V3	PWR	-48VB	124		
	PWR	-48VB	132		TO FUSE PANEL
PRVTA0	PWR	PRVSV	122		306
	PWR	PRVPP	222		306
	PWR	PRVSV	223		306
	PWR	PRVSV	321		306
	PWR	PRV6V	323		306
9CDB	I	COB	046		TO MODEM
9CTS	I	CTS	047		TO MODEM
9DTRB	O	DTRB	146		TO MODEM
9GRD	GRD	GRD	045		TO MODEM
9N1200	O	N1200	145		TO MODEM
9RC	I	RC	149		TO MODEM
9RNR	I	RNR	052		TO ISLU
9RPR	I	RPR	051		TO ISLU
9RS232	I	RS232	343		
	GRD	5VRTN	239		
9RTSB	O	RTSB	148		TO MODEM
9RXDB	I	RXDB	147		TO MODEM
9SYNCR	I	SYNCR	150		TO MODEM
9SYNCR	GRD	SYNCR	050		TO MODEM
9TC	I	TC	049		TO MODEM
9TNR	O	TNR	151		TO ISLU
9TPR	O	TPR	152		TO ISLU
9TXDB	O	TXDB	048		TO MODEM

SYMBOL NO. 2  
TERMINAL ADAPTOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA10	04-136	MC5D109A1	A	(4)
TA10	04-136	MC5D118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009		
	PWR	+12	010		
	PWR	-48VA	024		
	PWR	-48VA	032		
	O	RDN	318		
	O	HRN	319		
	I	SA0	012		
	I	SA1	013		
	I	SA2	014		
	I	SA3	015		
	I	SA4	016		
	I	SA5	017		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	I	SA6	018		
	I	SA7	019		
	I	SA8	020		
	I	SA9	021		
	I	IONRN	034		
	I	IORDN	036		
	I	MEMRDN	038		
	I	MEMRNR	040		
	I	STS0	042		
	I	STS1	044		
	I	JTDATA	104		
	I	JCTS	105		
	I	JCLD	106		
	I	JRD	107		
	I	JRTS	108		
	I	SA19	112		
	I	SA18	113		
	I	SA17	114		
	I	SA16	115		
	I	SA15	116		
	I	SA14	117		
	I	SA13	118		
	I	SA12	119		
	I	SA11	120		
	I	SA10	121		
	I	AEN	123		
	I	MION	139		
	I	INHSTN	143		
	I	SD7	206		
	I	SD6	207		
	I	SD5	208		
	I	SD4	209		
	I	PRHOLDN	215		
	I	PRDDIR	216		
	I	PRADDIR	217		
	I	TTLCTS	247		
	I	TTLTXDB	248		
	I	SD0	306		
	I	SD1	307		
	I	SD2	308		
	I	SD3	309		
	I	EPROM0	314		
	I	EPROM1	315		
	I	RESET	320		
	I	RSTN	322		
	I	TTLCSB	346		
	I	TTLRXDB	347		
	I	TTLRTSB	348		
	GRD	5VRTN	022		
	GRD	5VRTN	240		
	GRD	-48VRTNO	324		
-48VRTN3	GRD	-48VRTNO	332		
	GRD	-48VRTNB	224		
	GRD	-48VRTNB	232		
-48V3	PWR	-48VB	124		
	PWR	-48VB	132		
PRVTA10	PWR	PRVSV	122		306
	PWR	PRVPP	222		306
	PWR	PRVSV	223		306
	PWR	PRVSV	321		306

PART OF FS 5  
SYMBOL(S) 1 2

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LINK ADAPTER UNIT		DWG SIZE C2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	BSCA

PART OF FS 5  
TERMINAL ADAPTORS

SYMBOL NO. 3  
TERMINAL ADAPTOR

SYMBOL NO. 3 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 4 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 4 (CONT)  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA11	04-144	MCSD109A1	A	(4)
TA11	04-144	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA11	04-144	MCSD109A1	A	(4)
TA11	04-144	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA12	04-152	MCSD109A1	A	(4)
TA12	04-152	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA12	04-152	MCSD109A1	A	(4)
TA12	04-152	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009		
	PWR	+12	010		
	PWR	-48VA	024		
	PWR	-48VA	032		
	RDN		318		
	HRN		319		
	SA0		012		
	SA1		013		
	SA2		014		
	SA3		015		
	SA4		016		
	SA5		017		
	SA6		018		
	SA7		019		
	SA8		020		
	SA9		021		
	IDWRN		034		
	IDRDN		036		
	MEMRDN		038		
	MEMWRN		040		
	STSO		042		
	STS1		044		
	JTDATA		104		
	JCTS		105		
	JCLD		106		
	JRD		107		
	JRTS		108		
	SA19		112		
	SA18		113		
	SA17		114		
	SA16		115		
	SA15		116		
	SA14		117		
	SA13		118		
	SA12		119		
	SA11		120		
	SA10		121		
	AEN		123		
	MION		139		
	INHSTN		143		
	SD7		206		
	SD6		207		
	SD5		208		
	SD4		209		
	PRHOLDN		215		
	PRDDIR		216		
	PRADDIR		217		
	TTLCTSB		247		
	TTLTXDB		248		
	SD0		306		
	SD1		307		
	SD2		308		
	SD3		309		
	EPROM0		314		
	EPROM1		315		
	RESET		320		
	RSTN		322		
	TTLCOB		346		
	TTLRXDB		347		
	TTLRTSB		348		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	GRD	SVRTN	022		
	GRD	SVRTN	240		
	GRD	-48VRTN0	324		
-48VRTN3	GRD	-48VRTN0	332		
	GRD	-48VRTNB	224		
	GRD	-48VRTNB	232		
-48V3	PWR	-48VB	124		
	PWR	-48VB	132		
PRVTA11	PWR	PRVSV	122		306
	PWR	PRVPP	222		306
	PWR	PRVSV	223		306
	PWR	PRVSV	321		306
	PWR	PRV6V	323		306
11COB	I	COB	046	TO MODEM	
11CTSB	I	CTSB	047	TO MODEM	
11DTRB	O	DTRB	146	TO MODEM	
11GRD	GRD	GRD	045	TO MODEM	
11N1200	O	N1200	145	TO MODEM	312
11RC	I	RC	149	TO MODEM	
11RNR	I	RNR	052	TO ISLU	
11RPR	I	RPR	051	TO ISLU	
11RS232	I	RS232	343		
	GRD	SVRTN	239		
11RTSB	O	RTSB	148	TO MODEM	
11RXDB	I	RXDB	147	TO MODEM	
11SYNCR	I	SYNCR	150	TO MODEM	310
11SYNCR	GRD	SYNCR	050	TO MODEM	310
11TC	I	TC	049	TO MODEM	
11TNR	O	TNR	151	TO ISLU	
11TPR	O	TPR	152	TO ISLU	
11TXDB	O	TXDB	048	TO MODEM	

SYMBOL NO. 4  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA12	04-152	MCSD109A1	A	(4)
TA12	04-152	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009		
	PWR	+12	010		
	PWR	-48VA	024		
	PWR	-48VA	032		
	RDN		318		
	HRN		319		
	SA0		012		
	SA1		013		
	SA2		014		
	SA3		015		
	SA4		016		
	SA5		017		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	I	SA6	018		
	I	SA7	019		
	I	SA8	020		
	I	SA9	021		
	I	LOWRN	034		
	I	IORDN	036		
	I	MEMRDN	038		
	I	MEMWRN	040		
	I	STSO	042		
	I	STS1	044		
	I	JTDATA	104		
	I	JCTS	105		
	I	JCLD	106		
	I	JRD	107		
	I	JRTS	108		
	I	SA19	112		
	I	SA18	113		
	I	SA17	114		
	I	SA16	115		
	I	SA15	116		
	I	SA14	117		
	I	SA13	118		
	I	SA12	119		
	I	SA11	120		
	I	SA10	121		
	I	AEN	123		
	I	MION	139		
	I	INHSTN	143		
	I	SD7	206		
	I	SD6	207		
	I	SD5	208		
	I	SD4	209		
	I	PRHOLDN	215		
	I	PRDDIR	216		
	I	PRADDIR	217		
	I	TTLCTSB	247		
	I	TTLTXDB	248		
	I	SD0	306		
	I	SD1	307		
	I	SD2	308		
	I	SD3	309		
	I	EPROM0	314		
	I	EPROM1	315		
	I	RESET	320		
	I	RSTN	322		
	I	TTLCOB	346		
	I	TTLRXDB	347		
	I	TTLRTSB	348		
	GRD	SVRTN	022		
	GRD	SVRTN	240		
	GRD	-48VRTN0	324		
-48VRTN3	GRD	-48VRTN0	332		
	GRD	-48VRTNB	224		
	GRD	-48VRTNB	232		
-48V3	PWR	-48VB	124		
	PWR	-48VB	132		
PRVTA12	PWR	PRVSV	122		306
	PWR	PRVPP	222		306
	PWR	PRVSV	223		306
	PWR	PRVSV	321		306

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	PWR	PRV6V	323		306
12COB	I	COB	046	TO MODEM	
12CTSB	I	CTSB	047	TO MODEM	
12DTRB	O	DTRB	146	TO MODEM	
12GRD	GRD	GRD	045	TO MODEM	
12N1200	O	N1200	145	TO MODEM	312
12RC	I	RC	149	TO MODEM	
12RNR	I	RNR	052	TO ISLU	
12RPR	I	RPR	051	TO ISLU	
12RS232	I	RS232	343		
	GRD	SVRTN	239		
12RTSB	O	RTSB	148	TO MODEM	
12RXDB	I	RXDB	147	TO MODEM	
12SYNCR	I	SYNCR	150	TO MODEM	310
12SYNCR	GRD	SYNCR	050	TO MODEM	310
12TC	I	TC	049	TO MODEM	
12TNR	O	TNR	151	TO ISLU	
12TPR	O	TPR	152	TO ISLU	
12TXDB	O	TXDB	048	TO MODEM	

PART OF FS 5  
SYMBOL(S) 3 4

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LINK ADAPTER UNIT		QWG SIZE 2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B5CB

PART OF FS 5  
TERMINAL ADAPTORS

SYMBOL NO. 5  
TERMINAL ADAPTOR

SYMBOL NO. 5 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 6 (CONT)  
TERMINAL ADAPTOR

SYMBOL NO. 6 (CONT)  
TERMINAL ADAPTOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA13	04-160	MCSD109A1	A	(4)
TA13	04-160	MCSD118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA13	04-160	MCSD109A1	A	(4)
TA13	04-160	MCSD118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA14	04-168	MCSD109A1	A	(4)
TA14	04-168	MCSD118A1	A	(5)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA14	04-168	MCSD109A1	A	(4)
TA14	04-168	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	RDN		318			
	WRN		319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	STS1	044			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	TTLCTS8	247			
	I	TTLTXDB	248			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	I	TTLCSB	346			
	I	TTLRXDB	347			
	I	TTLRTSB	348			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	SVRTN	022			
	GRD	SVRTN	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN3						
	PWR	-48VB	124			
	PWR	-48VB	132			
	PWR	PRVSV	122			306
PRVTA13						
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
13CDB	I	CDB	046		TO MODEM	
13CTRB	O	DTRB	146		TO MODEM	
13CTS8	I	CTS8	047		TO MODEM	
13GRD	GRD	GRD	045		TO MODEM	
13N1200	O	N1200	145		TO MODEM	312
13RC	I	RC	149		TO MODEM	
13RNR	I	RNR	052		TO ISLU	
13RPR	I	RPR	051		TO ISLU	
13RS232	I	RS232	343			
	GRD	SVRTN	239			
13RTSB	O	RTSB	148		TO MODEM	
13RXDB	I	RXDB	147		TO MODEM	
13SYNCR	I	SYNCR	150		TO MODEM	310
13SYNCR	GRD	SYNCR	050		TO MODEM	310
13TC	I	TC	049		TO MODEM	
13TNR	O	TNR	151		TO ISLU	
13TPR	O	TPR	152		TO ISLU	
13TXDB	O	TXDB	048		TO MODEM	

SYMBOL NO. 6  
TERMINAL ADAPTOR

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
TA14	04-168	MCSD109A1	A	(4)
TA14	04-168	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	RDN		318			
	WRN		319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	STS1	044			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	TTLCTS8	247			
	I	TTLTXDB	248			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	I	TTLCSB	346			
	I	TTLRXDB	347			
	I	TTLRTSB	348			
	GRD	SVRTN	022			
	GRD	SVRTN	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN3						
	PWR	-48VB	124			
	PWR	-48VB	132			
	PWR	PRVSV	122			306
PRVTA14						
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	PWR	PRV6V	323			306
14CDB	I	CDB	046		TO MODEM	
14CTS8	I	CTS8	047		TO MODEM	
14DTRB	O	DTRB	146		TO MODEM	
14GRD	GRD	GRD	045		TO MODEM	
14N1200	O	N1200	145		TO MODEM	312
14RL	I	RC	149		TO MODEM	
14RNR	I	RNR	052		TO ISLU	
14RPR	I	RPR	051		TO ISLU	
14RS232	I	RS232	343			
	GRD	SVRTN	239			
14RTSB	O	RTSB	148		TO MODEM	
14RXDB	I	RXDB	147		TO MODEM	
14SYNCR	I	SYNCR	150		TO MODEM	310
14SYNCR	GRD	SYNCR	050		TO MODEM	310
14TC	I	TC	049		TO MODEM	
14TNR	O	TNR	151		TO ISLU	
14TPR	O	TPR	152		TO ISLU	
14TXDB	O	TXDB	048		TO MODEM	

PART OF FS 5  
SYMBOL(S) 5 6

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LINK ADAPTER UNIT		DWG SIZE C
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B5CC

PART OF FS 5  
TERMINAL ADAPTORS

SYMBOL NO. 7  
TERMINAL ADAPTOR

SYMBOL NO. 7 (CONT)  
TERMINAL ADAPTOR

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA15	04-176	MCSD109A1	A	(4)
TA15	04-176	MCSD118A1	A	(5)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
TA15	04-176	MCSD109A1	A	(4)
TA15	04-176	MCSD118A1	A	(5)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	RDN		318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	LOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	STS1	044			
	I	JTDATA	104			
	I	JCTS	105			
	I	JCLD	106			
	I	JRD	107			
	I	JRTS	108			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	AEN	123			
	I	M10N	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRODIR	216			
	I	PRADDIR	217			
	I	TTLCTSB	247			
	I	TTLTXDB	248			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPRDH0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	I	TTLADB	346			
	I	TTLRXDB	347			
	I	TTLRTSB	348			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	SVRTN	022			
	GRD	SVRTN	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48VRTN3	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48V3	PWR	-48VB	124			
PRVTA15	PWR	-48VB	132			336
	PWR	PRVSV	122			
	PWR	PRVPP	222			336
	PWR	PRVSV	223			336
	PWR	PRVSV	321			336
	PWR	PRV6V	323			306
15CDB	I	CDB	046		TO MODEM	
15CTSB	I	CTSB	047		TO MODEM	
15DTRB	O	DTRB	146		TO MODEM	
15GRD	GRD	GRD	045		TO MODEM	
15N1200	O	N1200	145		TO MODEM	312
15RC	I	RC	149		TO MODEM	
15RNR	I	RNR	052		TO ISLU	
15RPR	I	RPR	051		TO ISLU	
15RS232	I	RS232	343			
	GRD	SVRTN	239			
15RTSB	O	RTSB	148		TO MODEM	
15RXDB	I	RXDB	147		TO MODEM	
15SYNCR	I	SYNCR	150		TO MODEM	310
15SYNCR	GRD	SYNCR	050		TO MODEM	310
15TC	I	TC	049		TO MODEM	
15THR	O	THR	151		TO ISLU	
15TPR	O	TPR	152		TO ISLU	
15TXDB	O	TXDB	048		TO MODEM	

PART OF FS 5  
SYMBOL(S) 7

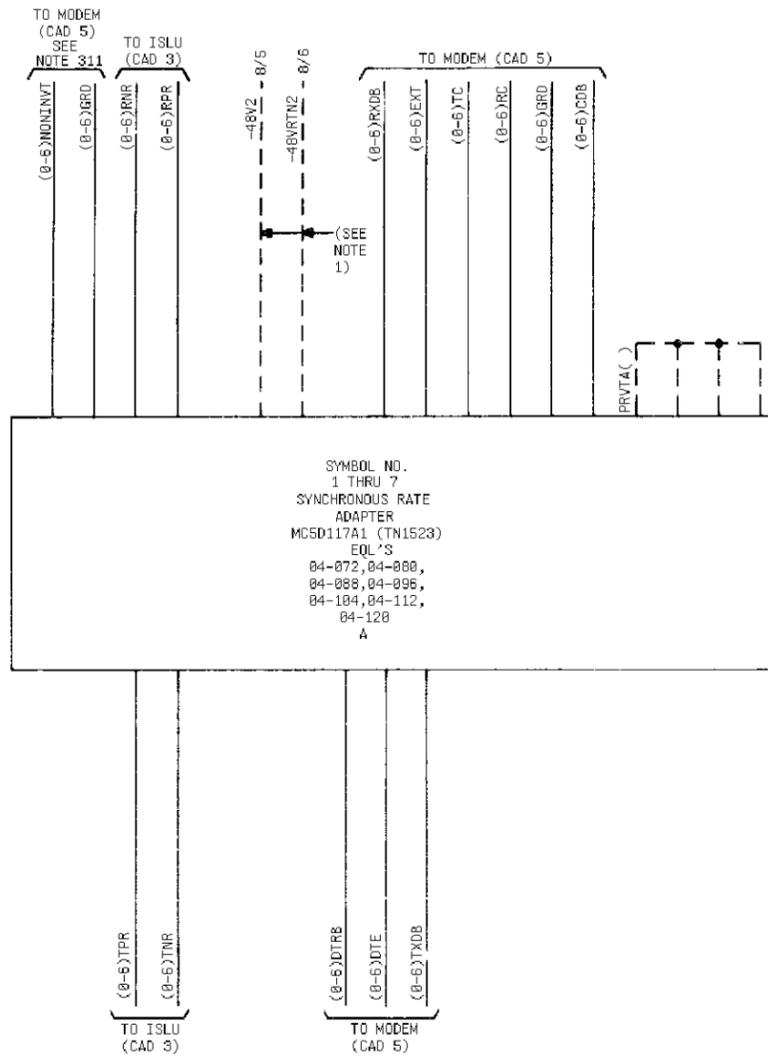
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LINK ADAPTER UNIT		DWG SIZE CZ
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B5CD

# FS 6

SYNCHRONOUS RATE ADAPTERS

NOTES:

1. DASHED LINES REPRESENT PRINTED WIRE PATHS.



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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		05	3B
AT&T BELL LABORATORIES	SD-50064-01	SHEET B6AA	

PART OF FS 6  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 1  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 1 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 2 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA0 04-072 MC5D117A1 A

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA0 04-072 MC5D117A1 A

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA1 04-080 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	RDN		318			
	WRN		319			
	SA0		012			
	SA1		013			
	SA2		014			
	SA3		015			
	SA4		016			
	SA5		017			
	SA6		018			
	SA7		019			
	SA8		020			
	SA9		021			
	IOHRN		034			
	IORDN		036			
	MEMRDN		038			
	MEMWRN		040			
	STS0		042			
	SA19		112			
	SA18		113			
	SA17		114			
	SA16		115			
	SA15		116			
	SA14		117			
	SA13		118			
	SA12		119			
	SA11		120			
	SA10		121			
	MION		139			
	INHSTN		143			
	SD7		206			
	SD6		207			
	SD5		208			
	SD4		209			
	PRHOLDM		215			
	PRDDIR		216			
	PRADDIR		217			
	SD0		306			
	SD1		307			
	SD2		308			
	SD3		309			
	EPROM0		314			
	EPROM1		315			
	RESET		320			
	RTSN		322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTNZ	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
					TO FUSE PANEL	
-48VZ	PWR	-48VA	024			
	PWR	-48VA	032			
					TO FUSE PANEL	
GRD	GRD	GRD	239			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
PRVTAZ	PWR	PRV5V	122			306
	PWR	PRV5V	222			306
	PWR	PRV5V	223			306
	PWR	PRV5V	321			306
	PWR	PRV6V	323			306
OCDB	I	COB	046		TO MODEM	
ODTE	O	DTE	148		TO MODEM	
ODTRB	O	DTRB	146		TO MODEM	
OEXT	I	EXT	150		TO MODEM	
OGRD	GRD	GRD	045		TO MODEM	
	GRD	GRD	050		TO MODEM	311
ONONINVT	I	NONINVT	047		TO MODEM	311
ON1200	O	N1200	145		TO MODEM	
ORC	I	RC	149		TO MODEM	
ORNR	I	RNR	052		TO ISLU	
ORPR	I	RPR	051		TO ISLU	
ORXDB	I	RXDB	147		TO MODEM	
OTC	I	TC	049		TO MODEM	
OTNR	O	TNR	151		TO ISLU	
OTPR	O	TPR	152		TO ISLU	
OTXDB	O	TXDB	048		TO MODEM	

SYMBOL NO. 2  
SYNCHRONOUS  
RATE ADAPTER

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA1 04-080 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	RDN		318			
	WRN		319			
	SA0		012			
	SA1		013			
	SA2		014			
	SA3		015			
	SA4		016			
	SA5		017			
	SA6		018			
	SA7		019			
	SA8		020			
	SA9		021			
	IOHRN		034			
	IORDN		036			
	MEMRDN		038			
	MEMWRN		040			
	STS0		042			
	SA19		112			
	SA18		113			
	SA17		114			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTNZ	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48VZ	PWR	-48VA	024			
	PWR	-48VA	032			
	GRD	GRD	239			
PRVTA3	PWR	PRV5V	122			306
	PWR	PRV5V	222			306
	PWR	PRV5V	223			306
	PWR	PRV5V	321			306
	PWR	PRV6V	323			306
1CDB	I	COB	046		TO MODEM	
1DTE	O	DTE	148		TO MODEM	
1DTRB	O	DTRB	146		TO MODEM	
1EXT	I	EXT	150		TO MODEM	
1GRD	GRD	GRD	045		TO MODEM	
	GRD	GRD	050		TO MODEM	311
1NONINVT	I	NONINVT	047		TO MODEM	311
1N1200	O	N1200	145		TO MODEM	
1RC	I	RC	149		TO MODEM	
1RNR	I	RNR	052		TO ISLU	
1RPR	I	RPR	051		TO ISLU	
1RXDB	I	RXDB	147		TO MODEM	
1TC	I	TC	049		TO MODEM	
1TNR	O	TNR	151		TO ISLU	
1TPR	O	TPR	152		TO ISLU	
1TXDB	O	TXDB	048		TO MODEM	

PART OF FS 6  
SYMBOL(S) 1 2

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LINK ADAPTER UNIT		DWG SIZE C2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B6CA

PART OF FS 6  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 3  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 3 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 4 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

DESIG EOPT CODE ELEM OPT  
SRAZ 04-088 MCS0117A1 A

DESIG EOPT CODE ELEM OPT  
SRAZ 04-088 MCS0117A1 A

DESIG EOPT CODE ELEM OPT  
SRA3 04-096 MCS0117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	HRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMHRN	040			
	I	STSO	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDD1R	216			
	I	PRADD1R	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
GRD	GRD	GRD	239			
PRVTA4	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
	O	DTE	148		TO MODEM	
	O	DTRB	146		TO MODEM	
	I	EXT	150		TO MODEM	
	GRD	GRD	045		TO MODEM	
	GRD	GRD	050		TO MODEM	311
	I	NONINVT	047		TO MODEM	311
	O	N1200	145		TO MODEM	
	I	RC	149		TO MODEM	
	I	RNR	052		TO ISLU	
	I	RPR	051		TO ISLU	
	I	RXDB	147		TO MODEM	
	I	TC	049		TO MODEM	
	O	TNR	151		TO ISLU	
	O	TPR	152		TO ISLU	
	O	TXDB	048		TO MODEM	
	I	MEMRDN	038			
	I	MEMHRN	040			
	I	STSO	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
2CDB						
2DTE	O	DTE	148		TO MODEM	
2DTRB	O	DTRB	146		TO MODEM	
2EXT	I	EXT	150		TO MODEM	
2GRD	GRD	GRD	045		TO MODEM	
	GRD	GRD	050		TO MODEM	311
	I	NONINVT	047		TO MODEM	311
2N1200	O	N1200	145		TO MODEM	
2RC	I	RC	149		TO MODEM	
2RNR	I	RNR	052		TO ISLU	
2RPR	I	RPR	051		TO ISLU	
2RXDB	I	RXDB	147		TO MODEM	
2TC	I	TC	049		TO MODEM	
2TNR	O	TNR	151		TO ISLU	
2TPR	O	TPR	152		TO ISLU	
2TXDB	O	TXDB	048		TO MODEM	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDD1R	216			
	I	PRADD1R	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
GRD	GRD	GRD	239			
PRVTA5	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
3CDB						
3DTE	O	DTE	148		TO MODEM	
3DTRB	O	DTRB	146		TO MODEM	
3EXT	I	EXT	150		TO MODEM	
3GRD	GRD	GRD	045		TO MODEM	
	GRD	GRD	050		TO MODEM	311
	I	NONINVT	047		TO MODEM	311
3N1200	O	N1200	145		TO MODEM	
3RC	I	RC	149		TO MODEM	
3RNR	I	RNR	052		TO ISLU	
3RPR	I	RPR	051		TO ISLU	
3RXDB	I	RXDB	147		TO MODEM	
3TC	I	TC	049		TO MODEM	
3TNR	O	TNR	151		TO ISLU	
3TPR	O	TPR	152		TO ISLU	
3TXDB	O	TXDB	048		TO MODEM	

PART OF FS 6  
SYMBOL(S) 3 4

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LINK ADAPTER UNIT		DWG SIZE C2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B6CB

PART OF FS 6  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 5  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 5 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 6 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

DESIG EOPT CODE ELEM OPT  
SRA4 04-104 MC5D117A1 A

DESIG EOPT CODE ELEM OPT  
SRA4 04-104 MC5D117A1 A

DESIG EOPT CODE ELEM OPT  
SRA5 04-112 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
GRD	GRD	GRD	239			
PRVTA6	PWR	PRV5V	122			306
	PWR	PRVPP	222			306
	PWR	PRV5V	223			306

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
4CDB	PWR	PRV5V	321		TO MODEM	306
	PWR	PRV6V	323		TO MODEM	306
	I	CDB	046			
4DTE	O	DTE	148		TO MODEM	
4DTRB	O	DTRB	146		TO MODEM	
4EXT	I	EXT	150		TO MODEM	
4GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
4NONINVT	I	NONINVT	047			
4N1200	O	N1200	145		TO MODEM	
4RC	I	RC	149		TO MODEM	
4RNR	I	RNR	052		TO ISLU	
4RPR	I	RPR	051		TO ISLU	
4RXDB	I	RXDB	147		TO MODEM	
4TC	I	TC	049		TO MODEM	
4TNR	O	TNR	151		TO ISLU	
4TPR	O	TPR	152		TO ISLU	
4TXDB	O	TXDB	048		TO MODEM	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
GRD	GRD	GRD	239			
PRVTA7	PWR	PRV5V	122			306
	PWR	PRVPP	222			306
	PWR	PRV5V	223			306
	PWR	PRV5V	321			306
	PWR	PRV6V	323			306
5CDB	I	CDB	046		TO MODEM	
5DTE	O	DTE	148		TO MODEM	
5DTRB	O	DTRB	146		TO MODEM	
5EXT	I	EXT	150		TO MODEM	
5GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
5NONINVT	I	NONINVT	047			
5N1200	O	N1200	145		TO MODEM	
5RC	I	RC	149		TO MODEM	
5RNR	I	RNR	052		TO ISLU	
5RPR	I	RPR	051		TO ISLU	
5RXDB	I	RXDB	147		TO MODEM	
5TC	I	TC	049		TO MODEM	
5TNR	O	TNR	151		TO ISLU	
5TPR	O	TPR	152		TO ISLU	
5TXDB	O	TXDB	048		TO MODEM	

SYMBOL NO. 6  
SYNCHRONOUS  
RATE ADAPTER

DESIG EOPT CODE ELEM OPT  
SRA5 04-112 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSO	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			

PART OF FS 6  
SYMBOL(S) 5 6

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LINK ADAPTER UNIT		DWG SIZE C2
		ISSUE 38
AT&T BELL LABORATORIES	SD-5D064-01	B6CC

PART OF FS 6  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 7  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 7 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

DESIG SRA6 EQPT LOC 04-120 CODE MC5D117A1 ELEM IDENT A OPT

DESIG SRA6 EQPT LOC 04-120 CODE MC5D117A1 ELEM IDENT A OPT

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VB	124			
	PWR	-48VB	132			
	0	RDN	318			
	0	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRON	038			
	I	MEMWRN	040			
	I	STS0	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MIDN	139			
	I	INHSTM	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPRQMO	314			
	I	EPRQMI	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48VRTN2	GRD	GRD	240			
	GRD	-48VRTNO	324			
	GRD	-48VRTNO	332			
-48V2	PWR	-48VA	024			
	PWR	-48VA	032			
GRD	GRD	GRD	239			
PRVTA8	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
6CDB	I	PRVSV	321			306
	I	PRV6V	323			306
	I	CDB	046		TO MODEM	
6DTE	0	DTE	148		TO MODEM	
6DTRB	0	DTRB	146		TO MODEM	
6EXT	I	EXT	150		TO MODEM	
6GRD	GRD	GRD	045		TO MODEM	
	GRD	GRD	050		TO MODEM	311
6NONINVT	I	NONINVT	047		TO MODEM	311
6N1200	0	N1200	145		TO MODEM	
6RC	I	RC	149		TO MODEM	
6RNR	I	RNR	052		TO ISLU	
6RPR	I	RPR	051		TO ISLU	
6RXDB	I	RXDB	147		TO MODEM	
6TC	I	TC	049		TO MODEM	
6TNR	0	TNR	151		TO ISLU	
6TPR	0	TPR	152		TO ISLU	
6TXDB	0	TXDB	048		TO MODEM	

PART OF FS 6  
SYMBOL(S) 7

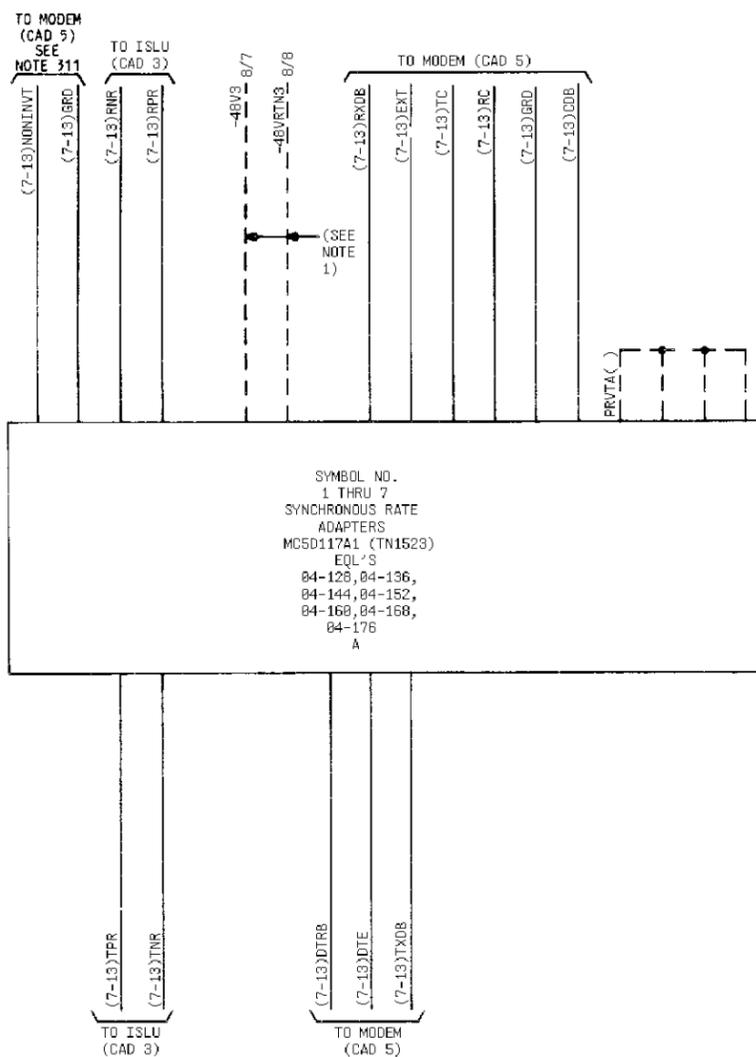
COPYRIGHT © 1987 AT&T ALL RIGHTS RESERVED		
LINK ADAPTER UNIT		DWG SIZE CZ
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B6CD

# FS 7

SYNCHRONOUS RATE ADAPTERS

NOTES:

1. DASHED LINES REPRESENT PRINTED WIRE PATHS.



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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		8S	3B
AT&T BELL LABORATORIES	SD - 5D064 - 01	SHEET B7AA	

PRINTED WIRE



PART OF FS 7  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 3  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 3 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 4 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SRA9	04-144	MC5D117A1	A	

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SRA9	04-144	MC5D117A1	A	

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SRA10	04-152	MC5D117A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSD	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	M10N	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	GRD	240			
	GRD	-48VRTNO	324			
-48VRTN3	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48V3	PWR	-48VB	124			
	PWR	-48VB	132			
GRD	GRD	GRD	239			
PRVTA11	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
9CDB	I	PRVSV	321			306
	I	PRV6V	323			306
	I	CDB	046		TO MODEM	
9DTE	O	DTE	148		TO MODEM	
9DTRB	O	DTRB	146		TO MODEM	
9EXT	I	EXT	150		TO MODEM	
9GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
9NONINVT	I	NONINVT	047		TO MODEM	
9N1200	O	N1200	145		TO MODEM	
9RC	I	RC	149		TO MODEM	
9RNR	I	RNR	052		TO ISLU	
9RPR	I	RPR	051		TO ISLU	
9RXDB	I	RXDB	147		TO MODEM	
9TC	I	TC	049		TO MODEM	
9TNR	O	TNR	151		TO ISLU	
9TPR	O	TPR	152		TO ISLU	
9TXDB	O	TXDB	048		TO MODEM	

SYMBOL NO. 4  
SYNCHRONOUS  
RATE ADAPTER

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SRA10	04-152	MC5D117A1	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IOWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STSD	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	M10N	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	GRD	240			
	GRD	-48VRTNO	324			
-48VRTN3	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48V3	PWR	-48VB	124			
	PWR	-48VB	132			
GRD	GRD	GRD	239			
PRVTA12	PWR	PRVSV	122			306
	PWR	PRVPP	222			306
	PWR	PRVSV	223			306
	PWR	PRVSV	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
10CDB	I	CDB	046		TO MODEM	
10DTE	O	DTE	148		TO MODEM	
10DTRB	O	DTRB	146		TO MODEM	
10EXT	I	EXT	150		TO MODEM	
10GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
10NONINVT	I	NONINVT	047		TO MODEM	
10N1200	O	N1200	145		TO MODEM	
10RC	I	RC	149		TO MODEM	
10RNR	I	RNR	052		TO ISLU	
10RPR	I	RPR	051		TO ISLU	
10RXDB	I	RXDB	147		TO MODEM	
10TC	I	TC	049		TO MODEM	
10TNR	O	TNR	151		TO ISLU	
10TPR	O	TPR	152		TO ISLU	
10TXDB	O	TXDB	048		TO MODEM	

PART OF FS 7  
SYMBOL(S) 3 4

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LINK ADAPTER UNIT		DWG SIZE C2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B7CB

PART OF FS 7  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 5  
SYNCHRONOUS RATE ADAPTER

SYMBOL NO. 5 (CONT)  
SYNCHRONOUS RATE ADAPTER

SYMBOL NO. 6 (CONT)  
SYNCHRONOUS RATE ADAPTER

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA11 04-160 MC5D117A1 A

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA11 04-160 MC5D117A1 A

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA12 04-168 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IDWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STS0	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	FPRM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	GRD	240			
	GRD	-48VRTNO	324			
-48VRTN3	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48V3	PWR	-48VB	124			
	PWR	-48VB	132			
GRD	GRD	GRD	239			
PRVTA13	PWR	PRV5V	122			306
	PWR	PRVPP	222			306
	PWR	PRV5V	223			306

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
11CDB	PWR	PRV5V	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
11CTRB	O	DTRB	146		TO MODEM	
11DTE	O	DTE	148		TO MODEM	
11EXT	I	EXT	150		TO MODEM	
11GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
11NONINV	I	NONINVT	047		TO MODEM	
11N1200	O	N1200	145		TO MODEM	
11RC	I	RC	149		TO MODEM	
11RNR	I	RNR	052		TO ISLU	
11RPR	I	RPR	051		TO ISLU	
11RXDB	I	RXDB	147		TO MODEM	
11TC	I	TC	049		TO MODEM	
11TNR	O	TNR	151		TO ISLU	
11TPR	O	TPR	152		TO ISLU	
11TXDB	O	TXDB	048		TO MODEM	

SYMBOL NO. 6  
SYNCHRONOUS RATE ADAPTER

DESIG EOPT LOC CODE ELEM IDENT OPT  
SRA12 04-168 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	IDWRN	034			
	I	IORDN	036			
	I	MEMRDN	038			
	I	MEMWRN	040			
	I	STS0	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPROM0	314			
	I	EPROM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	GRD	240			
	GRD	-48VRTNO	324			
-48VRTN3	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48V3	PWR	-48VB	124			
	PWR	-48VB	132			
GRD	GRD	GRD	239			
PRVTA14	PWR	PRV5V	122			306
	PWR	PRVPP	222			306
	PWR	PRV5V	223			306
	PWR	PRV5V	321			306
	PWR	PRV6V	323			306
	I	CDB	046		TO MODEM	
12CDB	I	CDB	046		TO MODEM	
12DTE	O	DTE	148		TO MODEM	
12DTRB	O	DTRB	146		TO MODEM	
12EXT	I	EXT	150		TO MODEM	
12GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
12NONINV	I	NONINVT	047		TO MODEM	
12N1200	O	N1200	145		TO MODEM	
12RC	I	RC	149		TO MODEM	
12RNR	I	RNR	052		TO ISLU	
12RPR	I	RPR	051		TO ISLU	
12RXDB	I	RXDB	147		TO MODEM	
12TC	I	TC	049		TO MODEM	
12TNR	O	TNR	151		TO ISLU	
12TPR	O	TPR	152		TO ISLU	
12TXDB	O	TXDB	048		TO MODEM	

PART OF FS 7  
SYMBOL(S) 5 6

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LINK ADAPTER UNIT		DWG SIZE C2
		ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	B7CC

PART OF FS 7  
SYNCHRONOUS RATE ADAPTERS

SYMBOL NO. 7  
SYNCHRONOUS  
RATE ADAPTER

SYMBOL NO. 7 (CONT)  
SYNCHRONOUS  
RATE ADAPTER

DESIG EQPT LOC CODE ELEM IDENT OPT  
SRA13 04-176 MC5D117A1 A

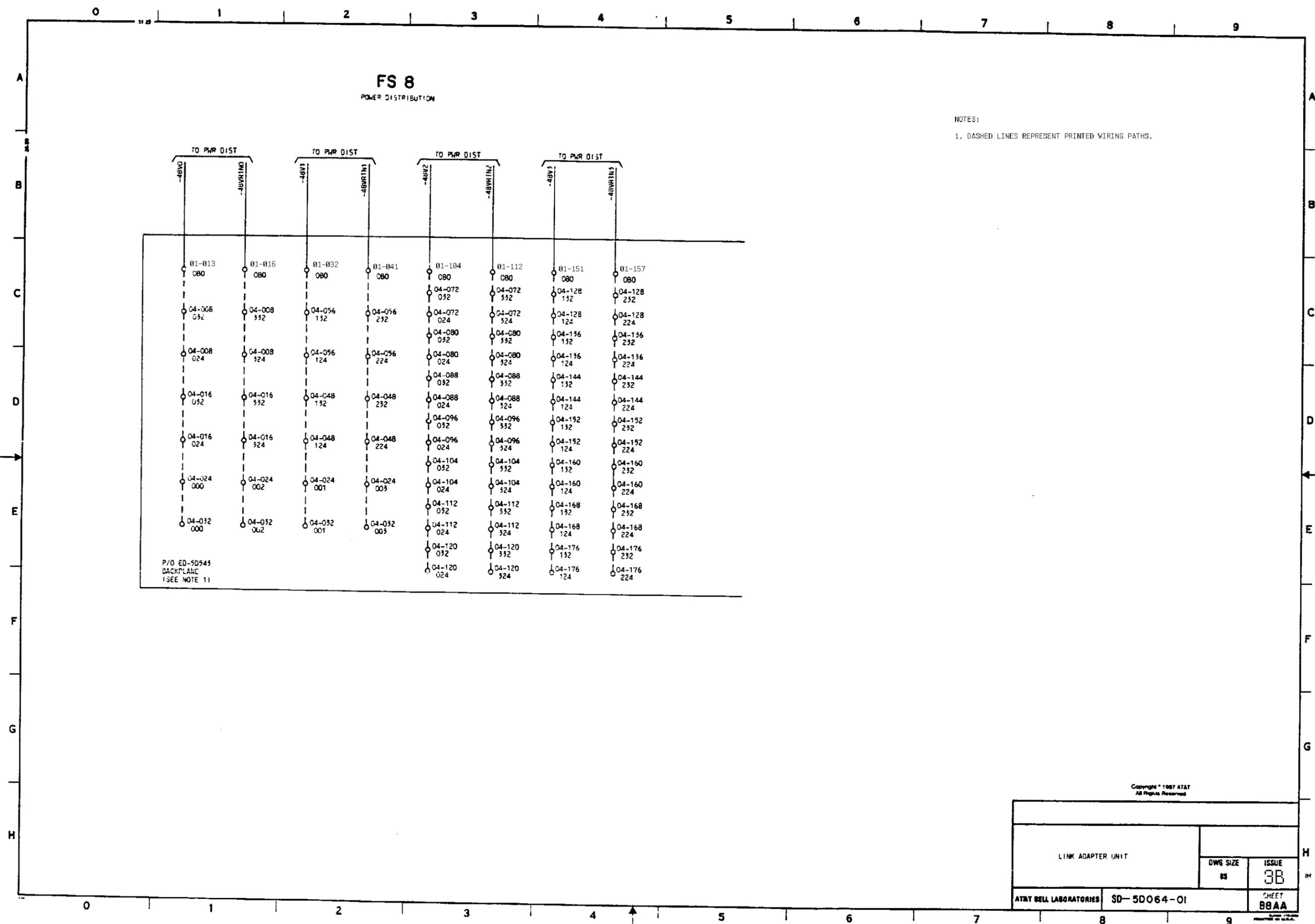
DESIG EQPT LOC CODE ELEM IDENT OPT  
SRA13 04-176 MC5D117A1 A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	-12	009			
	PWR	+12	010			
	PWR	-48VA	024			
	PWR	-48VA	032			
	O	RDN	318			
	O	WRN	319			
	I	SA0	012			
	I	SA1	013			
	I	SA2	014			
	I	SA3	015			
	I	SA4	016			
	I	SA5	017			
	I	SA6	018			
	I	SA7	019			
	I	SA8	020			
	I	SA9	021			
	I	ICWRN	034			
	I	ICORDN	036			
	I	MEMWRN	038			
	I	MEMWRN	040			
	I	ST50	042			
	I	SA19	112			
	I	SA18	113			
	I	SA17	114			
	I	SA16	115			
	I	SA15	116			
	I	SA14	117			
	I	SA13	118			
	I	SA12	119			
	I	SA11	120			
	I	SA10	121			
	I	MION	139			
	I	INHSTN	143			
	I	SD7	206			
	I	SD6	207			
	I	SD5	208			
	I	SD4	209			
	I	PRHOLDN	215			
	I	PRDDIR	216			
	I	PRADDIR	217			
	I	SD0	306			
	I	SD1	307			
	I	SD2	308			
	I	SD3	309			
	I	EPRQMO	314			
	I	EPRDM1	315			
	I	RESET	320			
	I	RSTN	322			
	GRD	GRD	022			
	GRD	GRD	240			
	GRD	-48VRTNO	324			
-48VRTN3	GRD	-48VRTNO	332			
	GRD	-48VRTNB	224			
	GRD	-48VRTNB	232			
-48V3	PWR	-48VB	124			
	PWR	-48VB	132			
GRD	GRD	GRD	239			
PRVTA15	PWR	PRV5V	122			306
	PWR	PRV6V	222			306
	PWR	PRV5V	223			306

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	PWR	PRV5V	321			306
	PWR	PRV6V	323			306
13CDB	I	CDB	046		TO MODEM	
13DTE	O	DTE	148		TO MODEM	
13DTRB	O	DTRB	146		TO MODEM	
13EXT	I	EXT	150		TO MODEM	
13GRD	GRD	GRD	045		TO MODEM	311
	GRD	GRD	050		TO MODEM	311
13NONINV	I	NONINVT	047		TO MODEM	
13N1200	O	N1200	145		TO MODEM	
13RC	I	RC	149		TO MODEM	
13RNR	I	RNR	052		TO ISLU	
13RPR	I	RPR	051		TO ISLU	
13RXDB	I	RXDB	147		TO MODEM	
13TC	I	TC	049		TO MODEM	
13TNR	O	TNR	151		TO ISLU	
13TPR	O	TPR	152		TO ISLU	
13TXDB	O	TXDB	048		TO MODEM	

PART OF FS 7  
SYMBOL(S) 7

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LINK ADAPTER UNIT	DWG SIZE	ISSUE
	C2	3B
AT&T BELL LABORATORIES	SD-5D064-01	B7CD



**FS 8**  
POWER DISTRIBUTION

NOTES:  
1. DASHED LINES REPRESENT PRINTED WIRING PATHS.

P/O ED-50545  
BACKPLANE  
(SEE NOTE 1)

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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		83	3B
AT&T BELL LABORATORIES SD-50064-01		SHEET 88AA	

0 1 2 3 4 5 6 7 8 9

APP FIG. 1

CIRCUIT PACK						
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT	CKT	FS/SYM
04-008	TA0	MCSD109A1				1/1
04-016	ACCD	TN1089				1/2
04-024	SA	TN867				3/1
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT	CKT	FS/SYM
A					A	

APP FIG. 2

CIRCUIT PACK					
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT	CKT
04-048	ACC1	TN1089			2/2
04-056	TA1	MCSD109A1			2/1
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT	CKT
A					

APP FIG. 3

CIRCUIT PACK				
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT
04-032	SA	TN867		
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT
A				

(4) APP FIG. 4

CIRCUIT PACK																			
EQPT LOC	DESIG	CODE	OPTION	ELEM IDENT	CKT	FS/SYM	DESIG	CODE	OPTION	ELEM IDENT	CKT	FS/SYM	DESIG	CODE	OPTION	ELEM IDENT	CKT		
04-072	TA2	MCSD109A1				4/1	04-080	TA3	MCSD109A1			4/2	04-088	TA4	MCSD109A1			4/3	
																			4/4
																			4/5
																			4/6
																			4/7
																			5/1
																			5/2
																			5/3
																			5/4
																			5/5
																			5/6
																			A

CIRCUIT PACK			
EQPT LOC	DESIG	CODE	OPTION
04-176	TA15	MCSD109A1	
EQPT LOC	DESIG	CODE	OPTION
A			

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LINK ADAPTER UNIT	DWG SIZE C2	ISSUE 3B
AT&T BELL LABORATORIES	SD-5D064-01	C1

0 1 2 3 4 5 6 7 8 9 PRINTED IN U.S.A.



CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
<u>BATTERY SYMBOL</u>		<u>VOLTAGE RANGE</u>	
-48		-42.75 TO -52.50	

EQUIPMENT NOTES:

- 201. UNLESS OTHERWISE SPECIFIED ALL BACKPLANE WIRING SHALL BE AUTOMATIC MACHINE WIRING (A-D4) 30 GAUGE WHICH HAS BEEN PROCESSED BY MESWRAP PROGRAMS.
- 202. NET SC(00-47)(CM,NC,NO) ARE TWISTED TRIPLES.

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LINK ADAPTER UNIT		
DWG SIZE	ISSUE	
08	1	
AT&T BELL LABORATORIES	SD-5D064-01	SHEET 01

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
ALARMS	OPERATOR GROUP 0, MAX 24 SCAN POINTS	1		1/UNIT
	OPERATOR GROUP 1	2		1/UNIT
	24 ADDITIONAL SCAN POINTS	3		1/UNIT
TERMINAL ADAPTERS	INTERFACE FOR DAC/S OR OAP MC50109A1 (TN1067)	4		NOTE 305
	INTERFACE FOR AUTOQUOTE FEATURE (AL-TA) MC50118A1 (TN1087)	5		NOTE 308
	INTERFACE FOR AUTOMATED MULTI-LEAF BULLITEN (AMLB) (SRA) MC50117A1 (TN1523)	6		NOTE 309

304.	CIRCUIT PACK CODE OR MICROCODE	CLEI
	TN867	E5PQ31FAXX
	TN1069	E5PQAAHAXX
	MC50109A1 (TN1067)	E5MQ33FAXX
	MC50118A1 (TN1087)	E5MQAALAXX
	MC50117A1 (TN1523)	E5MQ92JAXX

305. TERMINAL ADAPTOR CIRCUIT PACKS (TN1087) ARE TO BE EQUIPPED IN APP FIG 4 AS FOLLOWS:

- A. DIRECTORY ASSISTANCE (DAS/C) SHALL BE REDUNDANT, ONE TERMINAL ADAPTER (TN1087) CIRCUIT PACK ON EACH BUS.
- B. OFFICE ADMINISTRATIVE PROCESSOR (OAP), REQUIRES ONE TERMINAL ADAPTER (TN1087) CIRCUIT PACK.

306. TERMINAL ADAPTER (TN1087) CIRCUIT PACK BACKPLANE PINS 122,222,223,321, & 323 SHALL BE +5V DURING NORMAL OPERATION.

307. ALARM CONVERSION CIRCUIT (TN1089) CIRCUIT PACK BACKPLANE PINS 389,318,311 & 312 SHALL BE +5V DURING NORMAL OPERATION.

308. MC50118A1 (TN1087,AL-TA) TO BE EQUIPPED IN APP. FIG.5 ONE PER AUTOQUOTE LINK.

309. MC50117A1 (TN1523,SRA) TO BE EQUIPPED IN APP. FIG. 6 ONE PER AUTOMATED MULTILEAF BULLITEN (AMLB) LINK.

310. FOR SYNCHRONOUS OPERATION (DAS/C FEATURE), SIGNAL SYNCN IS CONNECTED TO SYNCRT. THIS OPTION IS APPLIED IN THE RS232 CABLE THAT ROUTES TO THE MODEM. FOR MORE INFORMATION REGARDING CABLE OPTIONS, REFER TO THE OSPS APPLICATION SCHEMATIC, SD\_50135\_01.

311. DEFAULT MC50117A1 (TN1523,SRA) COMMUNICATION MODE PROVIDES INVERTED DATA TRANSMISSION TO THE ISLU/RISLU. FOR NON-INVERTED DATA TRANSMISSION, SIGNAL NONINVT IS CONNECTED TO SIGNAL GRD. THIS OPTION IS APPLIED IN THE RS232 CABLE THAT ROUTES TO THE MODEM. FOR MORE INFORMATION REGARDING CABLED OPTIONS, REFER TO THE OSPS APPLICATION SCHEMATIC, SD\_50135\_01.

312. DEFAULT MC50109A1 OPERATION IS 9600 BAUD. FOR 1200 BAUD OPERATION, SIGNAL N1200 IS CONNECTED TO SIGNAL GRD. THIS OPTION IS APPLIED IN THE RS232 CABLE THAT ROUTES TO THE MODEM. FOR MORE INFORMATION REGARDING CABLED OPTIONS, REFER TO THE OSPS APPLICATION SCHEMATIC, SD\_50135\_01.

303. RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A&M	MD

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LINK ADAPTER UNIT		DWG SIZE	ISSUE
		88	B
AT&T BELL LABORATORIES	SD-50064-01	SHEET D2	





CAD 4 (CONT'D)										CAD 4 (CONT'D)										CAD 4 (CONT'D)										
TO CONNECTION					FROM CONNECTION					TO CONNECTION					FROM CONNECTION					TO CONNECTION					FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	
04-080										04-120 (CONT'D)										04-160 (CONT'D)										
TO MODEM	GRD			045	3GRD																									
	CDB			046	3CDB																									
	CTSB			047	3CTSB																									
	TXDB			048	3TXDB																									
	TC			049	3TC																									
	SYNCRT			050	3SYNCRT																									
	N1200			145	3N1200																									
	DTRB			146	3DTRB																									
	RXDB			147	3RXDB																									
	RTSB			148	3RTSB																									
	RC			149	3RC																									
	SYNCN			150	3SYNCN																									
04-088										04-128										04-168										
TO MODEM	GRD			045	4GRD																									
	CDB			046	4CDB																									
	CTSB			047	4CTSB																									
	TXDB			048	4TXDB																									
	TC			049	4TC																									
	SYNCRT			050	4SYNCRT																									
	N1200			145	4N1200																									
	DTRB			146	4DTRB																									
	RXDB			147	4RXDB																									
	RTSB			148	4RTSB																									
	RC			149	4RC																									
	SYNCN			150	4SYNCN																									
04-096										04-136										04-176										
TO MODEM	GRD			045	5GRD																									
	CDB			046	5CDB																									
	CTSB			047	5CTSB																									
	TXDB			048	5TXDB																									
	TC			049	5TC																									
	SYNCRT			050	5SYNCRT																									
	N1200			145	5N1200																									
	DTRB			146	5DTRB																									
	RXDB			147	5RXDB																									
	RTSB			148	5RTSB																									
	RC			149	5RC																									
	SYNCN			150	5SYNCN																									
04-104										04-144										04-184										
TO MODEM	GRD			045	6GRD																									
	CDB			046	6CDB																									
	CTSB			047	6CTSB																									
	TXDB			048	6TXDB																									
	TC			049	6TC																									
	SYNCRT			050	6SYNCRT																									
	N1200			145	6N1200																									
	DTRB			146	6DTRB																									
	RXDB			147	6RXDB																									
	RTSB			148	6RTSB																									
	RC			149	6RC																									
	SYNCN			150	6SYNCN																									
04-112										04-152										04-192										
TO MODEM	GRD			045	7GRD																									
	CDB			046	7CDB																									
	CTSB			047	7CTSB																									
	TXDB			048	7TXDB																									
	TC			049	7TC																									
	SYNCRT			050	7SYNCRT																									
	N1200			145	7N1200																									
	DTRB			146	7DTRB																									
	RXDB			147	7RXDB																									
	RTSB			148	7RTSB																									
	RC			149	7RC																									
	SYNCN			150	7SYNCN																									
04-120										04-160										04-200										
TO MODEM	GRD			045	8GRD																									
	CDB			046	8CDB																									
	CTSB			047	8CTSB																									
	TXDB			048	8TXDB																									
	TC			049	8TC																									
	SYNCRT			050	8SYNCRT																									
	N1200			145	8N1200																									

CAD 5 (CONT'D)										CAD 5 (CONT'D)										CAD 5 (CONT'D)									
TO CONNECTION					FROM CONNECTION					TO CONNECTION					FROM CONNECTION					TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
04-080										04-120 (CONT'D)										04-160 (CONT'D)									
TO MODEM	GRD			045	1GRD						GRD			050	6GRD						DTE			045	12GRD				
	CDB			046	1CDB						N1200			145	6N1200						RC			046	12CDB				
	NONINVT			047	1NONINVT						DTRB			146	6DTRB						EXT			047	12NONINVT				
	TXDB			048	1TXDB						RxDB			147	6RxDB									048	12TXDB				
	TC			049	1TC						DTE			148	6DTE									049	12TC				
	GRD			050	1GRD						RC			149	6RC									050	12GRD				
	N1200			145	1N1200						EXT			150	6EXT									145	12N1200				
	DTRB			146	1DTRB									146	7DTRB									146	12DTRB				
	RxDB			147	1RxDB									147	7RxDB									147	12RxDB				
	DTE			148	1DTE									148	7DTE									148	12DTE				
	RC			149	1RC									149	7RC									149	12RC				
	EXT			150	1EXT									150	7EXT									150	12EXT				
04-088										04-128										04-176									
TO MODEM	GRD			045	2GRD					TO MODEM	GRD			045	7GRD						TO MODEM	GRD			045	13GRD			
	CDB			046	2CDB						CDB			046	7CDB							CDB			046	13CDB			
	NONINVT			047	2NONINVT						NONINVT			047	7NONINVT								NONINVT			047	13NONINVT		
	TXDB			048	2TXDB						TXDB			048	7TXDB								TXDB			048	13TXDB		
	TC			049	2TC						TC			049	7TC								TC			049	13TC		
	GRD			050	2GRD						GRD			050	7GRD								GRD			050	13GRD		
	N1200			145	2N1200						N1200			145	7N1200								N1200			145	13N1200		
	DTRB			146	2DTRB						DTRB			146	7DTRB								DTRB			146	13DTRB		
	RxDB			147	2RxDB						RxDB			147	7RxDB								RxDB			147	13RxDB		
	DTE			148	2DTE						DTE			148	7DTE								DTE			148	13DTE		
	RC			149	2RC						RC			149	7RC								RC			149	13RC		
	EXT			150	2EXT						EXT			150	7EXT								EXT			150	13EXT		
04-096										04-136										04-176									
TO MODEM	GRD			045	3GRD					TO MODEM	GRD			045	8GRD						TO MODEM	GRD			045	13GRD			
	CDB			046	3CDB						CDB			046	8CDB							CDB			046	13CDB			
	NONINVT			047	3NONINVT						NONINVT			047	8NONINVT								NONINVT			047	13NONINVT		
	TXDB			048	3TXDB						TXDB			048	8TXDB								TXDB			048	13TXDB		
	TC			049	3TC						TC			049	8TC								TC			049	13TC		
	GRD			050	3GRD						GRD			050	8GRD								GRD			050	13GRD		
	N1200			145	3N1200						N1200			145	8N1200								N1200			145	13N1200		
	DTRB			146	3DTRB						DTRB			146	8DTRB								DTRB			146	13DTRB		
	RxDB			147	3RxDB						RxDB			147	8RxDB								RxDB			147	13RxDB		
	DTE			148	3DTE						DTE			148	8DTE								DTE			148	13DTE		
	RC			149	3RC						RC			149	8RC								RC			149	13RC		
	EXT			150	3EXT						EXT			150	8EXT								EXT			150	13EXT		
04-104										04-144										04-176									
TO MODEM	GRD			045	4GRD					TO MODEM	GRD			045	9GRD						TO MODEM	GRD			045	13GRD			
	CDB			046	4CDB						CDB			046	9CDB							CDB			046	13CDB			
	NONINVT			047	4NONINVT						NONINVT			047	9NONINVT								NONINVT			047	13NONINVT		
	TXDB			048	4TXDB						TXDB			048	9TXDB								TXDB			048	13TXDB		
	TC			049	4TC						TC			049	9TC								TC			049	13TC		
	GRD			050	4GRD						GRD			050	9GRD								GRD			050	13GRD		
	N1200			145	4N1200						N1200			145	9N1200								N1200			145	13N1200		
	DTRB			146	4DTRB						DTRB			146	9DTRB								DTRB			146	13DTRB		
	RxDB			147	4RxDB						RxDB			147	9RxDB								RxDB			147	13RxDB		
	DTE			148	4DTE						DTE			148	9DTE								DTE			148	13DTE		
	RC			149	4RC						RC			149	9RC								RC			149	13RC		
	EXT			150	4EXT						EXT			150	9EXT								EXT			150	13EXT		
04-112										04-152										04-176									
TO MODEM	GRD			045	5GRD					TO MODEM	GRD			045	10GRD						TO MODEM	GRD			045	13GRD			
	CDB			046	5CDB						CDB			046	10CDB							CDB			046	13CDB			
	NONINVT			047	5NONINVT						NONINVT			047	10NONINVT								NONINVT			047	13NONINVT		
	TXDB			048	5TXDB						TXDB			048	10TXDB								TXDB			048	13TXDB		
	TC			049	5TC						TC			049	10TC								TC			049	13TC		
	GRD			050	5GRD						GRD			050	10GRD								GRD			050	13GRD		
	N1200			145	5N1200						N1200			145	10N1200								N1200			145	13N1200		
	DTRB			146	5DTRB						DTRB			146	10DTRB								DTRB			146	13DTRB		
	RxDB			147	5RxDB						RxDB			147	10RxDB								RxDB			147	13RxDB		
	DTE			148	5DTE						DTE			148	10DTE								DTE			148	13DTE		
	RC			149	5RC						RC			149	10RC								RC			149	13RC		
	EXT			150	5EXT						EXT			150	10EXT								EXT			150	13EXT		
04-120										04-160										04-176									
TO MODEM	GRD			045	6GRD																								

TO CONNECTION		FROM CONNECTION							
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....				01-104	LUG	.....			
TO CONN CKT	-48V2			080	-48V2	04-072	032		
.....				01-112	LUG	.....			
TO CONN CKT	-48VRTN2			080	-48VRTN2	04-072	332		
.....				01-151	LUG	.....			
TO CONN CKT	-48V3			080	-48V3	04-128	132		
.....				01-157	LUG	.....			
TO CONN CKT	-48VRTN3			080	-48VRTN3	04-128	232		

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AT&T BELL LABORATORIES		ISSUE 3B
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