



# DESIGNATION MNEMONICS INDEX

MNEMONIC	ES/SYS	DEFINITION	MNEMONIC	ES/SYS	DEFINITION	MNEMONIC	ES/SYS	DEFINITION
+5V0-027	1/3	+5 VOLT OUTPUT, S-DF1 0 (not connected)	001DP(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) CONTROL DATA	11N1N(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) INTERRUPT
+5V0-037	1/4	+5 VOLT OUTPUT, S-DF1 1 (not connected)	00N1N(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) INTERRUPT	110DP(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) CONTROL DATA
+5V0-047	1/5	+5 VOLT OUTPUT, S-DF1 2 (not connected)	000DP(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) CONTROL DATA	11PB1N(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) RECEIVE DATA
+5V0-057	1/6	+5 VOLT OUTPUT, S-DF1 3 (not connected)	00PB1N(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) RECEIVE DATA	11PBON(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) XMIT DATA
+5V0-067	1/7	+5 VOLT OUTPUT, S-DF1 4 (not connected)	00PBON(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) XMIT DATA	11SP(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) SELECT CONTROL
+5V0-129	1/8	+5 VOLT OUTPUT, S-DF1 5 (not connected)	00SP(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) SELECT CONTROL	114MN(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) 4MHz CLOCK
+5V0-139	1/9	+5 VOLT OUTPUT, S-DF1 6 (not connected)	004MN(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) 4MHz CLOCK	118KSN(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) 8MHz SYNC
+5V0-149	1/10	+5 VOLT OUTPUT, S-DF1 7 (not connected)	008KSN(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) 8MHz SYNC			
+5V0-159	1/11	+5 VOLT OUTPUT, S-DF1 8 (not connected)	01DP(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) BURST CLOCK			
+5V0-169	1/12	+5 VOLT OUTPUT, S-DF1 9 (not connected)	011DP(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) CONTROL DATA			
+48V(A,B)	1/1	+48 VOLT DELU POWER INPUT, POWER BUS(A,B)	01N1N(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) INTERRUPT			
+48V(A,B)	1/1	+48 VOLT INPUT, POWER BUS(A,B)	010DP(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) CONTROL DATA			
FRGPD	1/12	FRAME GROUND BUS	01PB1N(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) RECEIVE DATA			
PARON(A,B)	1/3,8	POWER ON(A,B)	01PBON(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) XMIT DATA			
REF(00-09)	006	REFERENCE (not used)	01SP(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) SELECT CONTROL			
START(A,B)	1/1	POWER START(A,B)	014MN(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) 4MHz CLOCK			
TP(00-09)	1/3-12	TEST POINT	018KSN(26-30)	1/8-12	SERVICE GROUP 0 TO S-DF1(25-29) 8MHz SYNC			
T1R(10-14)	1/3-7	T1 INPUT RING TO S-DF1(10-14)	10CP(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) BURST CLOCK			
T1R(25-29)	1/8-12	T1 INPUT RING TO S-DF1(25-29)	101DP(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) CONTROL DATA			
T1T(10-14)	1/3-7	T1 INPUT TIP TO S-DF1(10-14)	10N1N(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) INTERRUPT			
T1T(25-29)	1/8-12	T1 INPUT TIP TO S-DF1(25-29)	100DP(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) CONTROL DATA			
T1OR(10-14)	1/3-7	T1 OUTPUT NEGATIVE OF S-DF1(10-14)	10PB1N(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) RECEIVE DATA			
T1OR(25-29)	1/8-12	T1 OUTPUT NEGATIVE OF S-DF1(25-29)	10PBON(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) XMIT DATA			
T1OT(10-14)	1/3-7	T1 OUTPUT POSITIVE OF S-DF1(10-14) TO EQUALIZER	10SP(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) SELECT CONTROL			
T1OT(25-29)	1/8-12	T1 OUTPUT POSITIVE OF S-DF1(25-29) TO EQUALIZER	104MN(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) 4MHz CLOCK			
T1OR(10-14)A	1/2	T1 OUTPUT RING OF EQUALIZER FOR S-DF1(10-14)	108KSN(10-14)	1/8-12	SERVICE GROUP 1 TO S-DF1(25-29) 8MHz SYNC			
T1OR(25-29)A	1/2	T1 OUTPUT RING OF EQUALIZER FOR S-DF1(25-29)	11CP(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) BURST CLOCK			
T1OT(10-14)A	1/2	T1 OUTPUT TIP OF EQUALIZER FOR S-DF1(10-14)	111DP(26-30)	1/3-7	SERVICE GROUP 1 TO S-DF1(10-14) CONTROL DATA			
T1OT(25-29)A	1/2	T1 OUTPUT TIP OF EQUALIZER FOR S-DF1(25-29)						
XSYN(10-14)	1/3-7	TP SYNC S-DF1(10-14)						
XSYN(25-29)	1/8-12	TP SYNC S-DF1(25-29)						
00CP(10-14)	1/3-7	SERVICE GROUP 0 TO S-DF1(10-14) BURST CLOCK						

NOT AVAILABLE

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE CZ
AT&T		ISSUE 1
SD-5D203-02		A2

0 1 2 3 4 5 6 7 8 9

A  
B  
C  
D  
E  
F  
G  
H

APPARATUS INDEX				
CODE	EQUIP. LOC.	FS/SYM	APP. FIG.	OPTION
MC50204A1	04-027	1/3	8	②
MC50204A1B				⑦
MC50204A1	04-037	1/4	8	②
MC50204A1B				⑦
MC50204A1	04-047	1/5	8	②
MC50204A1B				⑦
MC50204A1	04-057	1/6	8	②
MC50204A1B				⑦
MC50204A1	04-067	1/7	8	②
MC50204A1B				⑦
MC50204A1	04-129	1/8	8	②
MC50204A1B				⑦
MC50204A1	04-139	1/9	8	②
MC50204A1B				⑦
MC50204A1	04-149	1/10	8	②
MC50204A1B				⑦
MC50204A1	04-159	1/11	8	②
MC50204A1B				⑦
MC50204A1	04-169	1/12	8	②
MC50204A1B				⑦
SN215	04-018	1/2	3	
SN216	04-018	1/2	4	
SN217	04-018	1/2	5	
SN218	04-018	1/2	6	
SN219	04-018	1/2	7	
SN346B	04-010	1/1	2	

LEAD INDEX  
SEE CAD 1

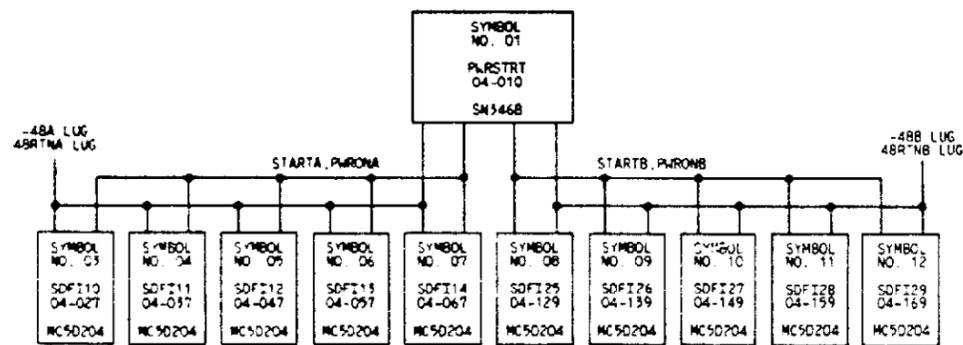
OPTION INDEX			
APP. OR MRG.	RATED ON ISSUE	REF. NOTES	LOCATION
3	STD 1		APP FIG. 3
4	STD 1		APP FIG. 4
5	STD 1		APP FIG. 5
6	STD 1		APP FIG. 6
7	STD 1		APP FIG. 7
8	STD 1		APP FIG. 8
Z	2B	307, 308	1/3-1/12
Y	2B	307, 308	1/3-1/12

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DIGITAL CARRIER LINE UNIT SUPPLEMENT		DWG. SIZE 8 1/2	ISSUE 2B
AT&T	SD-50203-02	SHEET A3	

0 1 2 3 4 5 6 7 8 9

PART OF FS I  
 COMPOSITE DIAGRAM I  
 POWER DISTRIBUTION

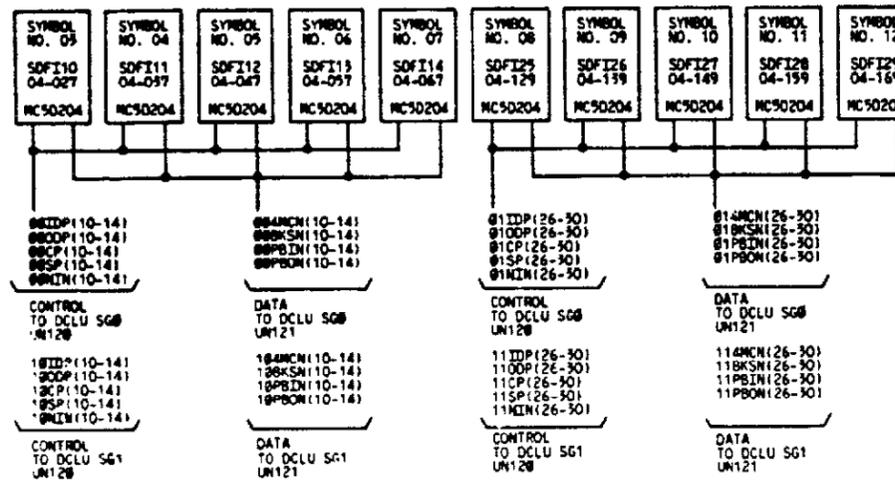


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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE	ISSUE
		85	1
AT&T	SD-5D203-02	SHEET B1AA	

FORM 100-100

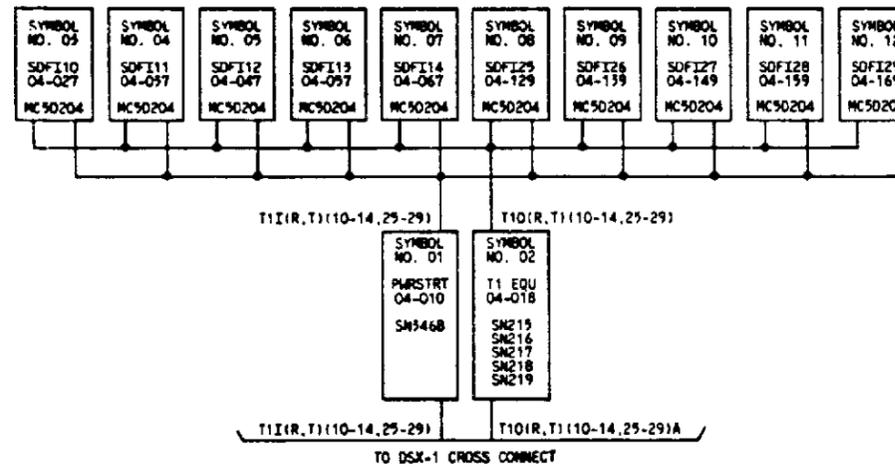
PART OF FS 1  
COMPOSITE DIAGRAM 2  
CONTROL AND DATA



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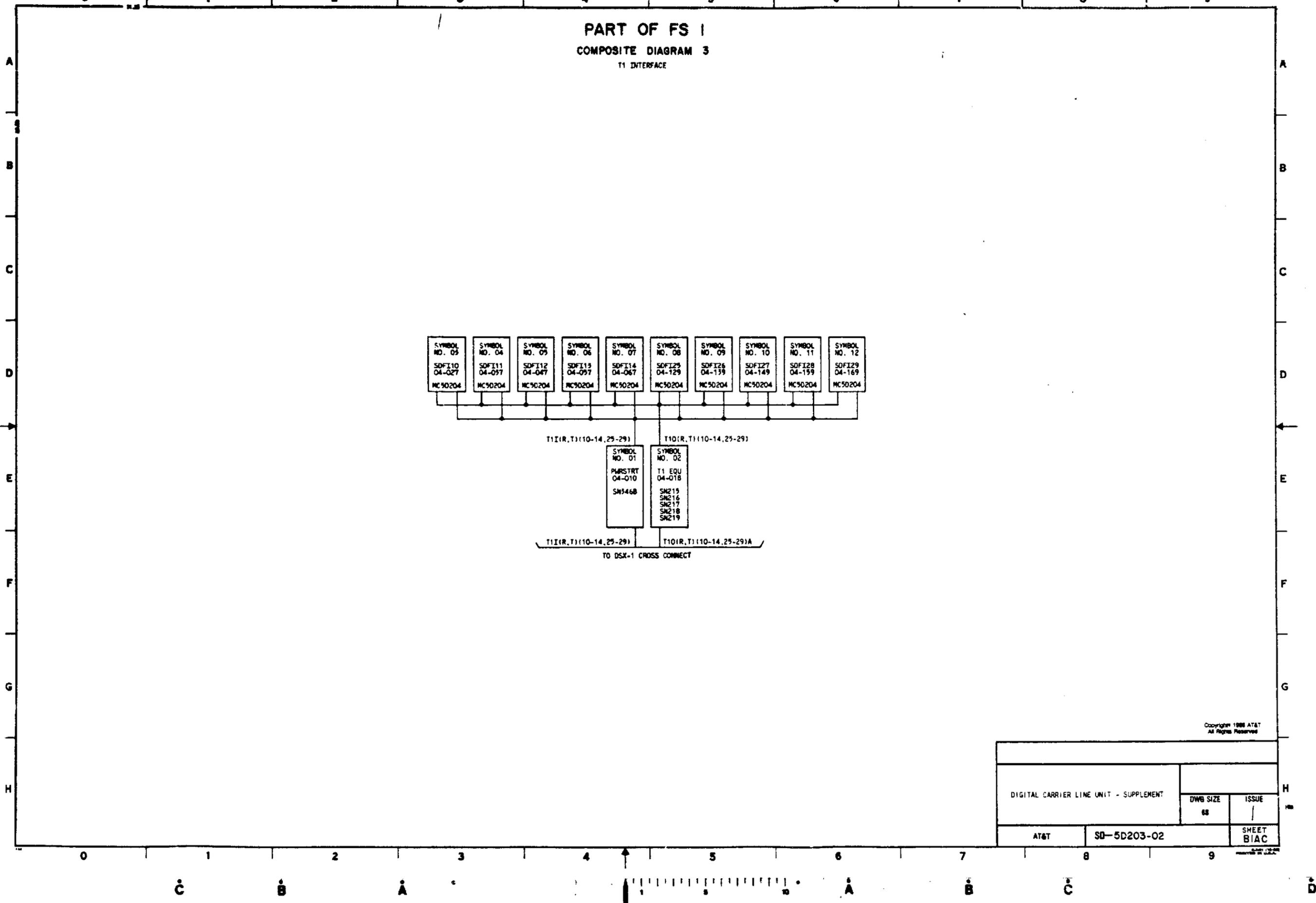
DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE	ISSUE
		83	1
AT&T	SD-50203-02	SHEET BIAB	

PART OF FS 1  
 COMPOSITE DIAGRAM 3  
 T1 INTERFACE



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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE	ISSUE
		68	1
AT&T	SD-5D203-02	SHEET BIAC	



**PART OF FS 1**  
DIGITAL CARRIER LINE UNIT - SUPPLEMENT

SYMBOL NO. 1 POWER START							SYMBOL NO. 1 (CONT) POWER START							SYMBOL NO. 2 (CONT) T1C EQUALIZER							SYMBOL NO. 3 (CONT) DIGITAL FACILITY INTERFACE							
DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	LEAD DESIG	FUNC	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	LEAD DESIG	FUNC	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	LEAD DESIG	FUNC	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	LEAD DESIG	FUNC	
PWRSTRT	04-010	SN346B	A				PWRSTRT	04-010	SN346B	A				T1CEQU	04-018	SN215	A	3				SDF110	04-027	MC5D204A1	A	(2)		
LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE		LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE		LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE		LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE		
-48RTNA	GRD	001		1/1			T11T28	IO	048		1/11	P/T11R28		T10T13A	IO	024		TO CAD 1 - AA			GRD		240		TO CAD 1 - AG			
-48RTNB	GRD	103		1/3, 1/4			T11T29	IO	050		1/12	P/T11R29		T10T14	IO	135		TO CAD 1 - AA			GRD		241		TO CAD 1 - AG			
-48VA	PWR	000		1/12, 1/15			NOTE(S):							T10T14A	IO	035		TO CAD 1 - AC			GRD		242		TO CAD 1 - AG			
-48VB	PWR	002		1/1			1. THESE TERMINALS ARE UNUSED ON THE SN346B POWER START CIRCUIT PACK, BUT ARE USED VIA CABLING DIRECTLY TO THE DSX-1 EQUIPMENT. SEE NOTES 202 AND 305.							T10T25	IO	137		1/8			GRD		243		TO CAD 1 - AG			
GRD04027	GRD	051		1/10, 1/11										T10T25A	IO	037		TO CAD 1 - AC			GRD		244		TO CAD 1 - AG			
	GRD	052		1/12, 1/15										T10T26	IO	141		1/9			GRD		245		TO CAD 1 - AG			
	GRD	053		1/3, 1/4	NOTE 1									T10T26A	IO	041		TO CAD 1 - AC			GRD		246		TO CAD 1 - AG			
	GRD	054		1/5, 1/6	NOTE 1									T10T27	IO	143		1/10			GRD		247		TO CAD 1 - AG			
	GRD	055		1/7	NOTE 1									T10T27A	IO	043		TO CAD 1 - AC			GRD		248		TO CAD 1 - AG			
PHRONA	IO	109		1/1	NOTE 1									T10T28	IO	148		1/11			GRD		249		TO CAD 1 - AG			
	GRD	056		1/3, 1/4	NOTE 1									T10T28A	IO	048		TO CAD 1 - AE			GRD		250		TO CAD 1 - AG			
PHRONB	IO	111		1/5, 1/6	NOTE 1									T10T29	IO	150		1/12			GRD		251		TO CAD 1 - AG			
STARTA	IO	009		1/7, 1/8																	GRD		252		TO CAD 1 - AG			
STABZB	IO	011		1/10, 1/11																	GRD		253		TO CAD 1 - AG			
T11R10	IO	015		1/12	P/T11R10																GRD		254		TO CAD 1 - AG			
T11R11	IO	017		1/3, 1/4	NOTE 1																GRD		255		TO CAD 1 - AG			
T11R12	IO	021		1/5, 1/6	NOTE 1																GRD		256		TO CAD 1 - AG			
T11R13	IO	023		1/7	NOTE 1																IO		009		1/1			
T11R14	IO	034		1/8	NOTE 1																STARTA		109		1/1			
T11R25	IO	036		1/10, 1/11	NOTE 1																TP00		033		1/1			
T11R26	IO	040		1/12	NOTE 1																T11R10		032		1/1			
T11R27	IO	042		1/3, 1/4	NOTE 1																T11T10		132		1/1			
T11R28	IO	047		1/5, 1/6	NOTE 1																T10R10		024		1/2			
T11R29	IO	049		1/7	NOTE 1																T10T10		124		1/2			
T11T10	IO	016		1/8	NOTE 1																XSYNC10		111					
T11T11	IO	018		1/10, 1/11	NOTE 1																00CP10		148		TO CAD 1 - AG			
T11T12	IO	022		1/12	NOTE 1																00DP10		150		TO CAD 1 - AG			
T11T13	IO	024		1/3, 1/4	NOTE 1																00NIN10		146		TO CAD 1 - AG			
T11T14	IO	035		1/5, 1/6	NOTE 1																000DP10		149		TO CAD 1 - AG			
T11T25	IO	037		1/7	NOTE 1																00PBIN10		137		TO CAD 1 - AG			
T11T26	IO	041		1/8	NOTE 1																00PBON10		136		TO CAD 1 - AG			
T11T27	IO	043		1/10	NOTE 1																00SP10		147		TO CAD 1 - AG			

PART OF FS 1  
SYMBOL(S) 1 2 3

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT	DWG SIZE CZ	ISSUE 2B
AT&T	SD-5D203-02	B1CA

PART OF FS 1  
DIGITAL CARRIER LINE UNIT - SUPPLEMENT

SYMBOL NO. 4  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 4 (CONT)  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 5 (CONT)  
DIGITAL FACILITY INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF111	04-037	ME5D204A1	A	(Z)
SDF111	04-037	ME5D204A1B	A	(Y)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF111	04-037	MC5D204A1	A	(Z)
SDF111	04-037	MC5D204A1B	A	(Y)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF112	04-047	MC5D204A1	A	(Z)
SDF112	04-047	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5V04037	IO		007			
	IO		107			
	IO		207			
-48RTNA	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VA	PHR		000		1/1	
	PHR		100		1/1	
	PHR		200		1/1	
GR004037	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
	GRD		215			
	GRD		218			
	GRD		239		TO CAD 1 - AH	
	GRD		240		TO CAD 1 - AH	
	GRD		241		TO CAD 1 - AH	
	GRD		242		TO CAD 1 - AH	
	GRD		243		TO CAD 1 - AH	
	GRD		244			
	GRD		245			
	GRD		246			
	GRD		247			
	GRD		248		TO CAD 1 - AR	
	GRD		249		TO CAD 1 - AR	
	GRD		250		TO CAD 1 - AR	
	GRD		251			
	GRD		252			
	GRD		253			
	GRD		254		TO CAD 1 - AR	
	GRD		255		TO CAD 1 - AR	
	GRD		256		TO CAD 1 - AR	
PHRONA	IO		009		1/1	
STARTA	IO		209		1/1	
TP02	IO		109		1/1	
	IO		033			
T11R11	IO		032		1/1	
T11T11	IO		132		1/1	
T1DR11	IO		024		1/2	
T1DT11	IO		124		1/2	
XSYNC11	IO		111			
00CP11	IO		148		TO CAD 1 - AR	
00DP11	IO		150		TO CAD 1 - AR	
00N111	IO		146		TO CAD 1 - AR	
00DP11	IO		149		TO CAD 1 - AR	
00PB111	IO		137		TO CAD 1 - AH	
00PB111	IO		136		TO CAD 1 - AH	
00SP11	IO		147		TO CAD 1 - AH	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
004MCN11	IO		139		TO CAD 1 - AH	
008KSN11	IO		138		TO CAD 1 - AH	
11CP27	IO		154		TO CAD 1 - AR	
11DP27	IO		156		TO CAD 1 - AR	
11IN27	IO		152		TO CAD 1 - AR	
11OP27	IO		155		TO CAD 1 - AR	
11PB1N27	IO		141		TO CAD 1 - AH	
11PBON27	IO		140		TO CAD 1 - AH	
11SP27	IO		153		TO CAD 1 - AR	
114MCN27	IO		143		TO CAD 1 - AH	
118KSN27	IO		142		TO CAD 1 - AH	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD		246			
	GRD		247			
	GRD		248		TO CAD 1 - AS	
	GRD		249		TO CAD 1 - AS	
	GRD		250		TO CAD 1 - AS	
	GRD		251			
	GRD		252			
	GRD		253			
	GRD		254		TO CAD 1 - AS	
	GRD		255		TO CAD 1 - AS	
	GRD		256		TO CAD 1 - AS	
	IO		009		1/1	
PHRONA						
STARTA	IO		209		1/1	
TP02	IO		109		1/1	
	IO		033			
T11R12	IO		032		1/1	
T11T12	IO		132		1/1	
T1DR12	IO		024		1/2	
T1DT12	IO		124		1/2	
XSYNC12	IO		111			
00CP12	IO		148		TO CAD 1 - AS	
00DP12	IO		150		TO CAD 1 - AS	
00N112	IO		146		TO CAD 1 - AS	
00DP12	IO		149		TO CAD 1 - AS	
00PB112	IO		137		TO CAD 1 - AI	
00PB112	IO		136		TO CAD 1 - AI	
00SP12	IO		147		TO CAD 1 - AS	
004MCN12	IO		139		TO CAD 1 - AI	
008KSN12	IO		138		TO CAD 1 - AI	
11CP28	IO		154		TO CAD 1 - AS	
11DP28	IO		156		TO CAD 1 - AS	
11IN28	IO		152		TO CAD 1 - AS	
11OP28	IO		155		TO CAD 1 - AS	
11PB1N28	IO		141		TO CAD 1 - AI	
11PBON28	IO		140		TO CAD 1 - AI	
11SP28	IO		153		TO CAD 1 - AS	
114MCN28	IO		143		TO CAD 1 - AI	
118KSN28	IO		142		TO CAD 1 - AI	

SYMBOL NO. 5  
DIGITAL FACILITY INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF112	04-047	MC5D204A1	A	(Z)
SDF112	04-047	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5V04047	IO		007			
	IO		107			
	IO		207			
-48RTNA	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VA	PHR		000		1/1	
	PHR		100		1/1	
	PHR		200		1/1	
GR004047	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
	GRD		215			
	GRD		218			
	GRD		239		TO CAD 1 - AI	
	GRD		240		TO CAD 1 - AI	
	GRD		241		TO CAD 1 - AI	
	GRD		242		TO CAD 1 - AI	
	GRD		243		TO CAD 1 - AI	
	GRD		244			
	GRD		245			
	GRD		246			
	GRD		247			
	GRD		248		TO CAD 1 - AI	
	GRD		249		TO CAD 1 - AI	
	GRD		250		TO CAD 1 - AI	
	GRD		251			
	GRD		252			
	GRD		253			
	GRD		254		TO CAD 1 - AI	
	GRD		255		TO CAD 1 - AI	
	GRD		256		TO CAD 1 - AI	
PHRONA	IO		009		1/1	
STARTA	IO		209		1/1	
TP01	IO		109		1/1	
	IO		033			
T11R11	IO		032		1/1	
T11T11	IO		132		1/1	
T1DR11	IO		024		1/2	
T1DT11	IO		124		1/2	
XSYNC11	IO		111			
00CP11	IO		148		TO CAD 1 - AI	
00DP11	IO		150		TO CAD 1 - AI	
00N111	IO		146		TO CAD 1 - AI	
00DP11	IO		149		TO CAD 1 - AI	
00PB111	IO		137		TO CAD 1 - AI	
00PB111	IO		136		TO CAD 1 - AI	
00SP11	IO		147		TO CAD 1 - AI	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

SYMBOL NO. 6  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 6 (CONT)  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 7 (CONT)  
DIGITAL FACILITY INTERFACE

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF113	04-057	MC5D204A1	A	(Z)
SDF113	04-057	MC5D204A1B	A	(Y)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF113	04-057	MC5D204A1	A	(Z)
SDF113	04-057	MC5D204A1B	A	(Y)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF114	04-067	MC5D204A1	A	(Z)
SDF114	04-067	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
*5V04057	IO		007			
	IO		107			
	IO		207			
-48RTNA	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VA	PHR		000		1/1	
	PHR		100		1/1	
	PHR		200		1/1	
GRD04057	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
GRD		144				
GRD		151				
GRD		203				
GRD		215				
GRD		218				
GRD		239			TO CAD 1 - AJ	
GRD		240			TO CAD 1 - AJ	
GRD		241			TO CAD 1 - AJ	
GRD		242			TO CAD 1 - AJ	
GRD		243			TO CAD 1 - AJ	
GRD		244				
GRD		245				
GRD		246				
GRD		247				
GRD		248			TO CAD 1 - AT	
GRD		249			TO CAD 1 - AT	
GRD		250			TO CAD 1 - AT	
GRD		251				
GRD		252				
GRD		253				
GRD		254			TO CAD 1 - AT	
GRD		255			TO CAD 1 - AT	
GRD		256			TO CAD 1 - AT	
IO		009			1/1	
IO		209			1/1	
IO		109			1/1	
IO		033				
IO		032			1/1	
IO		132			1/1	
IO		024			1/2	
IO		124			1/2	
IO		111				
IO		148			TO CAD 1 - AT	
IO		150			TO CAD 1 - AT	
IO		146			TO CAD 1 - AT	
IO		149			TO CAD 1 - AT	
IO		137			TO CAD 1 - AJ	
IO		136			TO CAD 1 - AJ	
IO		147			TO CAD 1 - AT	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
004MCN13	IO		139		TO CAD 1 - AJ	
008KSN13	IO		138		TO CAD 1 - AJ	
11CP29	IO		154		TO CAD 1 - AT	
111DP29	IO		156		TO CAD 1 - AT	
111NIN29	IO		152		TO CAD 1 - AT	
110DP29	IO		155		TO CAD 1 - AT	
11PBIN29	IO		141		TO CAD 1 - AJ	
11PBON29	IO		140		TO CAD 1 - AJ	
11SP29	IO		153		TO CAD 1 - AT	
114MCN29	IO		143		TO CAD 1 - AJ	
118KSN29	IO		142		TO CAD 1 - AJ	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
GRD			246			
GRD			247			
GRD			248			TO CAD 1 - AU
GRD			249			TO CAD 1 - AU
GRD			250			TO CAD 1 - AU
GRD			251			
GRD			252			
GRD			253			
GRD			254			TO CAD 1 - AU
GRD			255			TO CAD 1 - AU
GRD			256			TO CAD 1 - AU
IO			009			1/1
IO			209			1/1
IO			109			1/1
IO			033			
IO			032			1/1
IO			132			1/1
IO			024			1/2
IO			124			1/2
IO			111			
IO			148			TO CAD 1 - AU
IO			150			TO CAD 1 - AU
IO			146			TO CAD 1 - AU
IO			149			TO CAD 1 - AU
IO			137			TO CAD 1 - AK
IO			136			TO CAD 1 - AK
IO			147			TO CAD 1 - AU
IO			139			TO CAD 1 - AK
IO			138			TO CAD 1 - AK
IO			154			TO CAD 1 - AU
IO			156			TO CAD 1 - AU
IO			152			TO CAD 1 - AU
IO			155			TO CAD 1 - AU
IO			141			TO CAD 1 - AK
IO			140			TO CAD 1 - AK
IO			153			TO CAD 1 - AU
IO			143			TO CAD 1 - AK
IO			142			TO CAD 1 - AK

SYMBOL NO. 7  
DIGITAL FACILITY INTERFACE

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF114	04-067	MC5D204A1	A	(Z)
SDF114	04-067	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
*5V04067	IO		007			
	IO		107			
	IO		207			
-48RTNA	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VA	PHR		000		1/1	
	PHR		100		1/1	
	PHR		200		1/1	
GRD04067	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
GRD		144				
GRD		151				
GRD		203				
GRD		215				
GRD		218				
GRD		239			TO CAD 1 - AK	
GRD		240			TO CAD 1 - AK	
GRD		241			TO CAD 1 - AK	
GRD		242			TO CAD 1 - AK	
GRD		243			TO CAD 1 - AK	
GRD		244				
GRD		245				

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

SYMBOL NO. 8  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 8 (CONT)  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 9 (CONT)  
DIGITAL FACILITY INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF125	04-129	MC5D204A1	A	(Z)
SDF125	04-129	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5V04129	IO		007			
	IO		107			
	IO		207			
-48RTNB	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VB	PWR		000		1/1	
	PWR		100		1/1	
	PWR		200		1/1	
GRD04129	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
	GRD		215			
	GRD		218			
	GRD		239		TO CAD 1 - AL	
	GRD		240		TO CAD 1 - AL	
	GRD		241		TO CAD 1 - AL	
	GRD		242		TO CAD 1 - AL	
	GRD		243		TO CAD 1 - AL	
	GRD		244			
	GRD		245			
	GRD		246			
	GRD		247			
	GRD		248		TO CAD 1 - AV	
	GRD		249		TO CAD 1 - AV	
	GRD		250		TO CAD 1 - AV	
	GRD		251			
	GRD		252			
	GRD		253			
	GRD		254		TO CAD 1 - AV	
	GRD		255		TO CAD 1 - AV	
	GRD		256		TO CAD 1 - AV	
PWR0NB	IO		009		1/1	
STARTB	IO		209		1/1	
TP05	IO		109		1/1	
	IO		033			
T11R25	IO		032		1/1	
T11T25	IO		132		1/1	
T10R25	IO		024		1/2	
T10T25	IO		124		1/2	
XSYNC25	IO		111			
O1CP25	IO		154		TO CAD 1 - AV	
O11DP26	IO		156		TO CAD 1 - AV	
O11N126	IO		152		TO CAD 1 - AV	
O10DP26	IO		155		TO CAD 1 - AV	
O1PB126	IO		141		TO CAD 1 - AL	
O1PB0N26	IO		140		TO CAD 1 - AL	
O1SP26	IO		153		TO CAD 1 - AV	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF125	04-129	MC5D204A1	A	(Z)
SDF125	04-129	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
O14MCN26	IO		143		TO CAD 1 - AL	
O18KSN26	IO		142		TO CAD 1 - AL	
O1CP10	IO		148		TO CAD 1 - AV	
O10DP10	IO		150		TO CAD 1 - AV	
O10N110	IO		146		TO CAD 1 - AV	
O10DP10	IO		149		TO CAD 1 - AV	
O1PB110	IO		137		TO CAD 1 - AL	
O1PB0N10	IO		136		TO CAD 1 - AL	
O1SP10	IO		147		TO CAD 1 - AV	
O14MCN10	IO		139		TO CAD 1 - AL	
O18KSN10	IO		138		TO CAD 1 - AL	

SYMBOL NO. 9  
DIGITAL FACILITY INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF126	04-139	MC5D204A1	A	(Z)
SDF126	04-139	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5V04139	IO		007			
	IO		107			
	IO		207			
-48RTNB	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VB	PWR		000		1/1	
	PWR		100		1/1	
	PWR		200		1/1	
GRD04139	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
	GRD		215			
	GRD		218			
	GRD		239		TO CAD 1 - AM	
	GRD		240		TO CAD 1 - AM	
	GRD		241		TO CAD 1 - AM	
	GRD		242		TO CAD 1 - AM	
	GRD		243		TO CAD 1 - AM	
	GRD		244			
	GRD		245			

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF126	04-139	MC5D204A1	A	(Z)
SDF126	04-139	MC5D204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD		246			
	GRD		247			
	GRD		248		TO CAD 1 - AM	
	GRD		249		TO CAD 1 - AM	
	GRD		250		TO CAD 1 - AM	
	GRD		251			
	GRD		252			
	GRD		253			
	GRD		254		TO CAD 1 - AM	
	GRD		255		TO CAD 1 - AM	
	GRD		256		TO CAD 1 - AM	
	IO		009		1/1	
	IO		209		1/1	
STARTB	IO		109		1/1	
TP06	IO		033			
T11R26	IO		032		1/1	
T11T26	IO		132		1/1	
T10R26	IO		024		1/2	
T10T26	IO		124		1/2	
XSYNC26	IO		111			
O1CP27	IO		154		TO CAD 1 - AM	
O11DP27	IO		156		TO CAD 1 - AM	
O11N127	IO		152		TO CAD 1 - AM	
O10DP27	IO		155		TO CAD 1 - AM	
O1PB127	IO		141		TO CAD 1 - AM	
O1PB0N27	IO		140		TO CAD 1 - AM	
O1SP27	IO		153		TO CAD 1 - AM	
O14MCN27	IO		143		TO CAD 1 - AM	
O18KSN27	IO		142		TO CAD 1 - AM	
O1CP11	IO		148		TO CAD 1 - AM	
O10DP11	IO		150		TO CAD 1 - AM	
O10N111	IO		146		TO CAD 1 - AM	
O10DP11	IO		149		TO CAD 1 - AM	
O1PB111	IO		137		TO CAD 1 - AM	
O1PB0N11	IO		136		TO CAD 1 - AM	
O1SP11	IO		147		TO CAD 1 - AM	
O14MCN11	IO		139		TO CAD 1 - AM	
O18KSN11	IO		138		TO CAD 1 - AM	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

SYMBOL NO. 10  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 10 (CONT)  
DIGITAL FACILITY INTERFACE

SYMBOL NO. 11 (CONT)  
DIGITAL FACILITY INTERFACE

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF127	04-149	MCSD204A1	A	(Z)
SDF127	04-149	MCSD204A1B	A	(Y)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF127	04-149	MCSD204A1	A	(Z)
SDF127	04-149	MCSD204A1B	A	(Y)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF128	04-159	MCSD204A1	A	(Z)
SDF128	04-159	MCSD204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
*5V04149	IO		007			
	IO		107			
	IO		207			
-48RTNB	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VB	PWR		000		1/1	
	PWR		100		1/1	
	PWR		200		1/1	
GRD04149	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
GRD		215				
GRD		218				
GRD		239			TO CAD 1 - AN	
GRD		240			TO CAD 1 - AN	
GRD		241			TO CAD 1 - AN	
GRD		242			TO CAD 1 - AN	
GRD		243			TO CAD 1 - AN	
GRD		244				
GRD		245				
GRD		246				
GRD		247				
GRD		248			TO CAD 1 - AX	
GRD		249			TO CAD 1 - AX	
GRD		250			TO CAD 1 - AX	
GRD		251				
GRD		252				
GRD		253				
GRD		254			TO CAD 1 - AX	
GRD		255			TO CAD 1 - AX	
GRD		256			TO CAD 1 - AX	
PWRONB	IO		009		1/1	
STARTB	IO		209		1/1	
TP07	IO		109		1/1	
IO			033			
T11R27	IO		032		1/1	
T11T27	IO		132		1/1	
T10R27	IO		024		1/2	
T10T27	IO		124		1/2	
XSYNC27	IO		111			
O1CP28	IO		154		TO CAD 1 - AX	
O11DP28	IO		156		TO CAD 1 - AX	
O1NIN28	IO		152		TO CAD 1 - AX	
O1CP28	IO		155		TO CAD 1 - AX	
O1PBIN28	IO		141		TO CAD 1 - AN	
O1PBON28	IO		140		TO CAD 1 - AN	
O1SP28	IO		153		TO CAD 1 - AX	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
O14MCN28	IO		143		TO CAD 1 - AN	
	IO		142		TO CAD 1 - AN	
	IO		148		TO CAD 1 - AX	
O10DP12	IO		150		TO CAD 1 - AX	
	IO		146		TO CAD 1 - AX	
	IO		149		TO CAD 1 - AX	
O10PBIN12	IO		137		TO CAD 1 - AN	
	IO		136		TO CAD 1 - AN	
	IO		147		TO CAD 1 - AX	
O104MCN12	IO		139		TO CAD 1 - AN	
	IO		138		TO CAD 1 - AN	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
GRD			246			
			247			
			248			TO CAD 1 - AY
GRD			249			TO CAD 1 - AY
			250			TO CAD 1 - AY
			251			
GRD			252			
			253			
			254			TO CAD 1 - AY
PWRONB	GRD		255			TO CAD 1 - AY
	GRD		256			TO CAD 1 - AY
	IO		009			1/1
STARTB	IO		209			1/1
	IO		109			1/1
TP08	IO		033			
T11R28	IO		032			1/1
T11T28	IO		132			1/1
T10R28	IO		024			1/2
T10T28	IO		124			1/2
XSYNC28	IO		111			
O1CP29	IO		154			TO CAD 1 - AY
O11DP29	IO		156			TO CAD 1 - AY
O1NIN29	IO		152			TO CAD 1 - AY
O1CP29	IO		155			TO CAD 1 - AY
O1PBIN29	IO		141			TO CAD 1 - AD
O1PBON29	IO		140			TO CAD 1 - AD
O1SP29	IO		153			TO CAD 1 - AY
O14MCN29	IO		143			TO CAD 1 - AD
O18KSN29	IO		142			TO CAD 1 - AD
O1CP13	IO		148			TO CAD 1 - AY
O10DP13	IO		150			TO CAD 1 - AY
O10NIN13	IO		146			TO CAD 1 - AY
O10DP13	IO		149			TO CAD 1 - AY
O10PBIN13	IO		137			TO CAD 1 - AD
O10PBON13	IO		136			TO CAD 1 - AD
O10SP13	IO		147			TO CAD 1 - AY
O104MCN13	IO		139			TO CAD 1 - AD
O108KSN13	IO		138			TO CAD 1 - AD

SYMBOL NO. 11  
DIGITAL FACILITY INTERFACE

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDF128	04-159	MCSD204A1	A	(Z)
SDF128	04-159	MCSD204A1B	A	(Y)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
*5V04159	IO		007			
	IO		107			
	IO		207			
-48RTNB	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VB	PWR		000		1/1	
	PWR		100		1/1	
	PWR		200		1/1	
GRD04159	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
GRD		215				
GRD		218				
GRD		239			TO CAD 1 - AD	
GRD		240			TO CAD 1 - AD	
GRD		241			TO CAD 1 - AD	
GRD		242			TO CAD 1 - AD	
GRD		243			TO CAD 1 - AD	
GRD		244				
GRD		245				

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

SYMBOL NO. 12  
DIGITAL FACILITY INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF129	04-169	MCSD204A1	A	(Z)
SDF129	04-169	MCSD204A1B	A	(Y)

SYMBOL NO. 12 (CONT)  
DIGITAL FACILITY INTERFACE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SDF129	04-169	MCSD204A1	A	(Z)
SDF129	04-169	MCSD204A1B	A	(Y)

SYMBOL NO. 15  
POWER AND GROUND LUGS

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LUG	02-179	LUG	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5V04169	IO		007			
	IO		107			
	IO		207			
-48RTNB	GRD		001		1/1	
	GRD		101		1/1	
	GRD		201		1/1	
-48VB	PHR		000		1/1	
	PHR		100		1/1	
	PHR		200		1/1	
FRGRD	GRD		003		1/15	
GRD04169	GRD		003			
	GRD		015			
	GRD		018			
	GRD		035			
	GRD		044			
	GRD		046			
	GRD		051			
	GRD		052			
	GRD		103			
	GRD		115			
	GRD		118			
	GRD		135			
	GRD		144			
	GRD		151			
	GRD		203			
	GRD		215			
	GRD		218			
	GRD		239		TO CAD 1 - AP	
	GRD		240		TO CAD 1 - AP	
	GRD		241		TO CAD 1 - AP	
	GRD		242		TO CAD 1 - AP	
	GRD		243		TO CAD 1 - AP	
	GRD		244		TO CAD 1 - AP	
	GRD		245			
	GRD		246			
	GRD		247			
	GRD		248		TO CAD 1 - AZ	
	GRD		249		TO CAD 1 - AZ	
	GRD		250		TO CAD 1 - AZ	
	GRD		251			
	GRD		252			
	GRD		253			
	GRD		254		TO CAD 1 - AZ	
	GRD		255		TO CAD 1 - AZ	
	GRD		256		TO CAD 1 - AZ	
FWRONB	IO		009		1/1	
STARTB	IO		209		1/1	
	IO		109		1/1	
TP09	IO		033			
T11R29	IO		032		1/1	
T11T29	IO		152		1/1	
T10R29	IO		024		1/2	
T10T29	IO		124		1/2	
XSYNC29	IO		111			
01CP30	IO		154		TO CAD 1 - AZ	
011C130	IO		156		TO CAD 1 - AZ	
01N1N30	IO		152		TO CAD 1 - AZ	
01CDP30	IO		155		TO CAD 1 - AZ	
01PB1N30	IO		141		TO CAD 1 - AP	
01PBON30	IO		140		TO CAD 1 - AP	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
01SP30	IO		153		TO CAD 1 - AZ	
014MCN30	IO		143		TO CAD 1 - AP	
018KSN30	IO		142		TO CAD 1 - AP	
10CP14	IO		148		TO CAD 1 - AZ	
10IDP14	IO		150		TO CAD 1 - AZ	
10N1N14	IO		146		TO CAD 1 - AZ	
10DDP14	IO		149		TO CAD 1 - AZ	
10PB1N14	IO		137		TO CAD 1 - AP	
10PBON14	IO		136		TO CAD 1 - AP	
10SP14	IO		147		TO CAD 1 - AZ	
104MCN14	IO		139		TO CAD 1 - AP	
108KSN14	IO		138		TO CAD 1 - AP	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
-48RTNB	GRD		004		1/1	
	GRD				TO CAD 1 - BB	
-48VB	PHR		000		1/1	
	PHR				TO CAD 1 - BA	
FRGRD	GRD		008		1/12	
	GRD				TO CAD 1 - BB	

SYMBOL NO. 13  
POWER LUG

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LUG	02-007	LUG	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
-48VA	PHR		001		1/1	
	PHR				TO CAD 1 - BA	

SYMBOL NO. 14  
GROUND LUG

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LUG	02-015	LUG	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
-48RTNA	GRD		001		1/1	
	GRD				TO CAD 1 - BB	

PART OF FS 1  
SYMBOL(S) 12 13 14 15

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT	DWG SIZE 12	ISSUE 2B
AT&T	SD-50203-02	B1CF



CIRCUIT NOTES:

TOT.

DES-G	FUSE AMP	POTENTIAL	ONE PER
	2A 2A	-40V -40V	DELU-SUPL OF LU-SUPL
<u>BATTERY SYMBOL</u>		<u>VOLTAGE RANGE</u>	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE	ISSUE
		83	
AT&T	SD-5D203-02	SHEET DIA	

11/83

EQUIPMENT NOTES:

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

202.

APPARATUS CODE	CIRCUIT PACK REMOVAL PROCEDURES		
	PULL HOT	REMOVE UNIT POWER	SEQUENCED
MC5D204A1	X		
MC5D204A1B	X		
SN215	X		
SN216	X		
SN217	X		
SN218	X		
SN219	X		
SN346B	X		

EQUIPMENT NOTES (CONT):

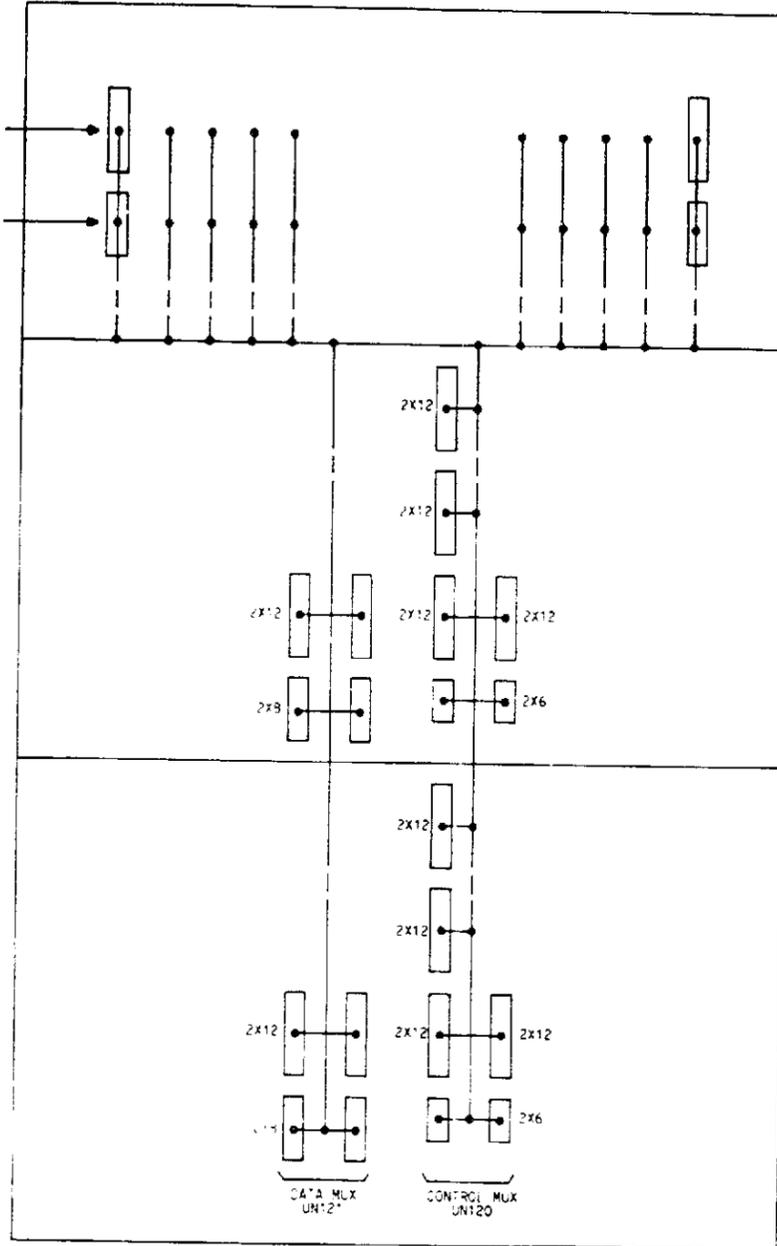
203. THE CONNECTIONS FROM THE DIGITAL CARRIER LINE UNIT SUPPLEMENT TO THE DIGITAL CARRIER LINE UNIT, AC THROUGH AV SHALL BE A PRE-FORMED CONNECTORIZED CABLE.

EQUIPMENT NOTES (CONT):

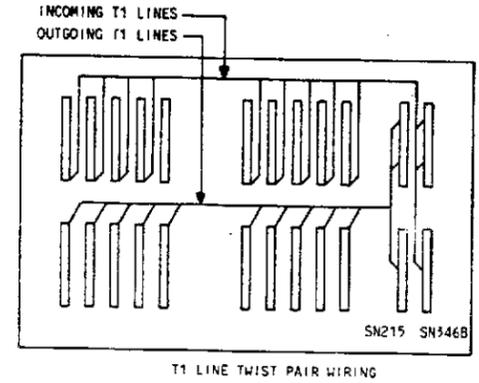
204. THE OUTGOING TIP AND RING LEADS (T10T10-14 AND T10R10-14) (T10T25-29 AND T10R25-29) CONNECTING THE SDFI CIRCUIT PACKS TO THE T1CEQU SHALL RUN ALONG THE CENTER OF THE SHELF BACKPLANE. THE INCOMING TIP AND RING LEADS (T11T10-14 AND T11R10-14) (T11T25-29 AND T11R25-29) CONNECTING THE SDFI CIRCUIT PACKS TO THE JACK/TF SHALL RUN ALONG THE TOP OF THE SHELF BACKPLANE.

2 X 12 PADDLE BOARD CONNECTOR AT EACH SDFI POSITION ACROSS

2 X 8 PADDLE BOARD CONNECTOR AT EACH SDFI POSITION ACROSS



(VIEWED FROM WIRING SIDE)



T1 LINE TWIST PAIR WIRING

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		
DWG SIZE	ISSUE	
83	2B	
AT&T	SD-50203-02	SHEET 02A

EQUIPMENT NOTES (CONT):

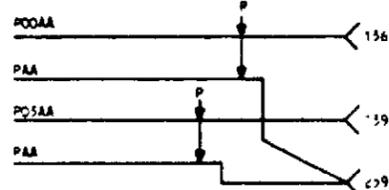
205. PARTS OF CAD 001 FOR THE DATA BUS, HAVE OCCURRENCES OF SIGNAL LEADS THAT ARE FROM TWO SEPARATE PAIRS THAT SHARE THE SAME GROUND PIN ON THE BACKPLANE 'PADDLER BOARD' CONNECTION. THIS IS REPRESENTED IN THE WIRE SYMBOL WITH LETTER SUFFIXES ON THE PAIRING NUMBERS. THE GROUND PINS THAT ARE PAIRED WITH MORE THAN ONE SIGNAL LEAD HAVE A LETTER SUFFIX ASSIGNED. THE SAME LETTER SUFFIX IS THEN ALSO ASSIGNED TO THE SIGNAL LEADS THAT ARE CONNECTED TO THE GROUND PINS.

CAD 001

DATA BUS

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
..... J				04-027	JACK/CP	.....			
TO DIGITAL CARRIER LINE UNIT	00P8BN10	POAAA		156	00P8BN10				
	00P8BN10	POZAC		157	00P8BN10				
	00P8BN10	POZAC		158	00P8BN10				
	00P8BN10	POZAA		159	00P8BN10				
	11P8BN26	POAAB		140	11P8BN26				
	11P8BN26	POZAC		141	11P8BN26				
	11P8BN26	POO1		142	11P8BN26				
	11P8BN26	POO2		143	11P8BN26				
	NE			256					
	NE			257					
	NE			258					
	NE			259					
TO DIGITAL CARRIER LINE UNIT	GR004027	PAA		240	GR004027				
	GR004027	PAB		241	GR004027				
	GR004027	PAC		242	GR004027				
	GR004027	POO1		243	GR004027				
	GR004027	POO2		244	GR004027				

ONE EXAMPLE IN THE ABOVE CAD IS AS FOLLOWS:



PIN 259 IS GROUND FOR TWO SEPARATE PAIRS WHICH HAVE SIGNAL LEADS ON PINS 156 AND 159. (SIGNAL LEADS ON PINS 156 AND 159 ARE NOT PAIRED WITH EACH OTHER).

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE	ISSUE
		18	1
AT&T	SD-5D203-02	SHEET D2B	

FORM 100-1000

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	
PRINTED BACKPLANE AND SURFACE WIRING		1		ONE PER DCU-SUPL	
POWER START		2		ONE PER DCU-SUPL	
T1/T1C EQUALIZER	CABLE LENGTH (FEET)	ABAM OR 600 TYPE CABLE	CODE 1249 CABLE	ONE EQUALIZER PER DCU-SUPL	
		0-133	0-90		3
		134-267	91-180		4
		268-400	181-270		5
		401-533	271-360		6
534-655	361-450	7			
DIGITAL FACILITY INTERFACE FOR SLC 96 (SEE NOTE 308)		8		UP TO A MAXIMUM OF 10 PER DCU-SUPL	

INFORMATION NOTES (CONT):

304.

CIRCUIT PACK CODE OR MICROCODE	COMMON LANGUAGE EQUIPMENT IDENTIFICATION CODE (CLEX)
MC50204A1 (ANN4)	E5DT8B00XX
MC50204A1B (ANN4B)	E5DT8C00AA
SN346B	E5P008CAXX
SN215	E5D1300CXX
SN216	E5DT400CXX
SN217	E5DT500CXX
SN218	E5DT507CXX
SN219	E5DT700CXX

305. THE INCOMING TIP AND RING LEADS (T11R10-14 AND T11R10-14) (T11R25-29 AND T11R25-29) CONNECTING THE SOFT CIRCUIT PACKS TO THE JACK/IF ARE USED FOR DSX-1 CABLE TERMINATION ONLY, AND ARE NOT USED BY THE PWRSTART CIRCUIT.

306. AT&T CODE 1249 CABLE IS A NEW COST REDUCED, SIZE REDUCED CABLE ALTERNATIVE TO THE ABAM OR 600 TYPE USED FOR T1 OFFICE CABLING. THE 1249 IS RECOMMENDED FOR USE EXCEPT IN PBX APPLICATIONS OR WHEN THE LENGTH EXCEEDS 450 FT. IN WHICH CASE THE ABAM OR 600 TYPE MUST BE USED.

307. THE CIRCUITRY OF THE ANN4B IS IDENTICAL TO THE ANN4 EXCEPT FOR THE POWER MODULE WHICH GIVES THE ANN4B A WIDER OPERATIONAL VOLTAGE RANGE OF -39.5 VOLTS TO -60 VOLTS.

308.

MICROCODE PER CIRCUIT PACK	OPTION
MC50204A1 (ANN4)	Z
MC50204A1B (ANN4B)	Y

303. RECORD OF FIGURES, WIRING, AND APPARATUS CHANGES

CHANGES ON ISSUE	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				AVAIL	DA
28		Z	307		
28		Y	307	✓	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		DWG SIZE	ISSUE
		63	2B
AT&T	SD-5D203-02	SHEET D3A	

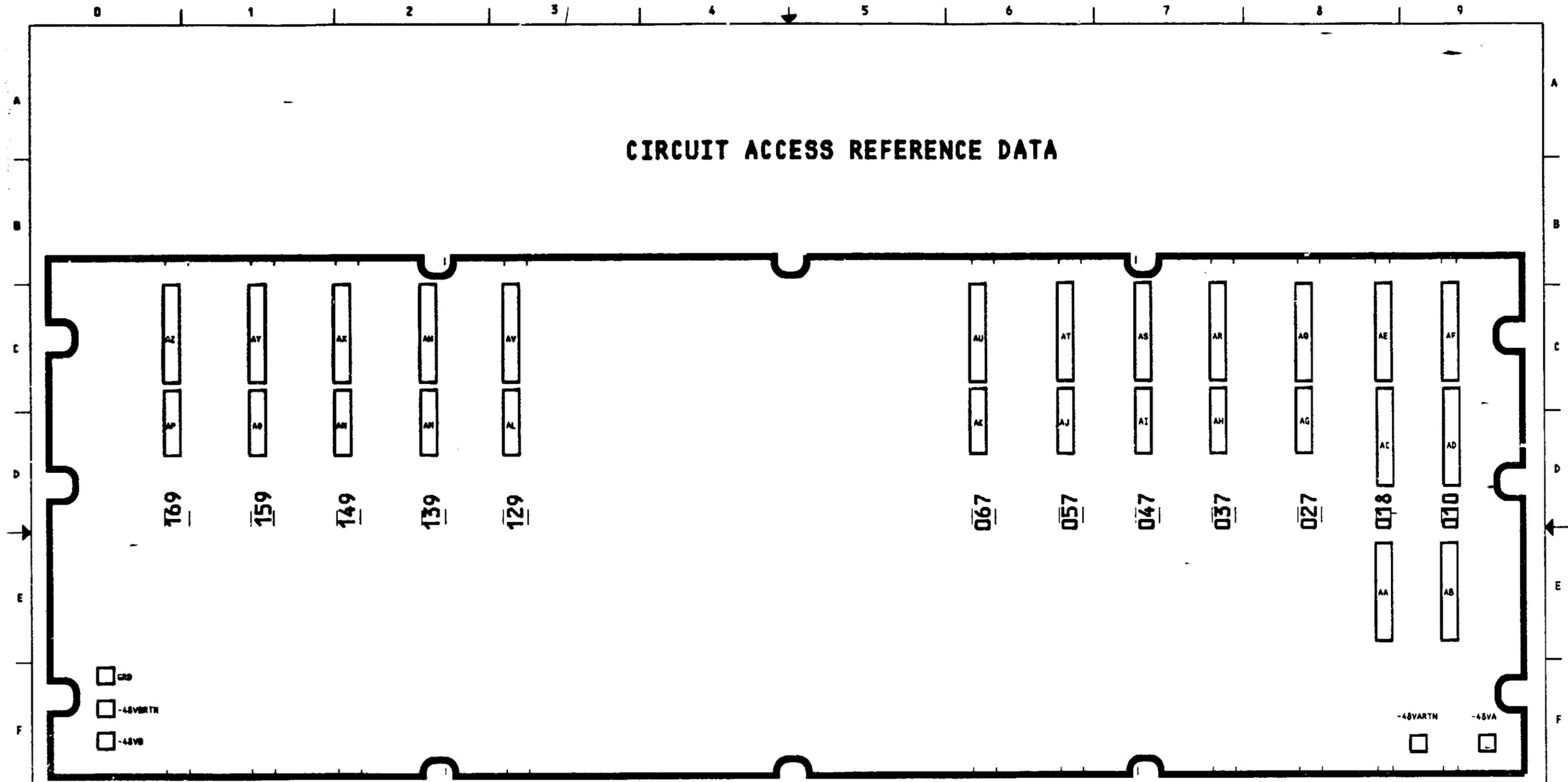
UNIT SYMBOL TABLE OF CONTENTS			
FUNCTION	DESCRIPTION (LOWER LEFT PIN OF CONNECTOR)	SIZE	ELEMENT
DATA	04-027-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AG
	04-027-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AH
	04-047-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AI
	04-097-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AJ
	04-067-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AK
	04-129-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AL
	04-199-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AM
	04-149-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AN
	04-199-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AO
	04-169-236 TO DIGITAL CARRIER LINE UNIT	2 x 8	AP
CONTROL	04-027-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AO
	04-097-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AR
	04-047-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AS
	04-097-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AT
	04-067-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AU
	04-129-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AV
	04-199-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AW
	04-149-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AX
	04-199-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AY
	04-169-245 TO DIGITAL CARRIER LINE UNIT	2 x 12	AZ
T1 INTERFACE	04-010-115 TO DSX-1	2 x 12	AB
	04-010-132 TO DSX-1	2 x 12	AD
	04-101-149 TO DSX-1	2 x 12	AF
	04-018-115 TO DSX-1	2 x 12	AA
	04-018-132 TO DSX-1	2 x 12	AC
	04-018-149 TO DSX-1	2 x 12	AE
POWER	02-007-001	LUG	BA
	02-079-000	LUG	BA
GROUND	02-001-015	LUG	BB
	02-008-179	LUG	BB
	02-004-179	LUG	BB

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DIGITAL CARRIER LINE UNIT		
DWG SIZE	ISSUE	
es	/	
AT&T	SD-50203-02	SHEET GB1A

PRINTED IN U.S.A.

# CIRCUIT ACCESS REFERENCE DATA



**NOTES:**

1. 2218 LUGS SHALL BE EQUIPPED AT POSITIONS DESIGNATED E1, E2, E3, E4 AND E5.
2. THE FOLLOWING EOL'S SHALL BE POPULATED WITH COLUMNS OF 50 EACH 18-4 PINS: 010, 011, 018, 019, 027, 028, 029, 037, 038, 039, 047, 048, 049, 057, 058, 059, 067, 068, 069, 129, 130, 131, 139, 140, 141, 149, 150, 151, 159, 160, 161, 169, 170, 171.
3. SEE NOTE 205.

**FIG. 1**

BACKPLANE PICTORIAL WIRING SIDE

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT	DWG SIZE C2	ISSUE 1
AT&T	SD-50203-02	GB1B

CAD 1  
UNIT SYMBOL

ELEMENT IDENTIFIER  
AA  
T1 INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
T1OR10A	10	04-018-019	04-018-019	1/2	
T1OR11A	10	04-018-017	04-018-017	1/2	
T1OR12A	10	04-018-021	04-018-021	1/2	
T1OR13A	10	04-018-023	04-018-023	1/2	
T1OT10A	10	04-018-016	04-018-016	1/2	
T1OT11A	10	04-018-018	04-018-018	1/2	
T1OT12A	10	04-018-022	04-018-022	1/2	
T1OT13A	10	04-018-024	04-018-024	1/2	

ELEMENT IDENTIFIER  
AD  
T1 INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
T1IR14	10	04-018-034	04-018-034	1/1	
T1IR25	10	04-018-036	04-018-036	1/1	
T1IR26	10	04-018-040	04-018-040	1/1	
T1IR27	10	04-018-042	04-018-042	1/1	
T1IT14	10	04-018-035	04-018-035	1/1	
T1IT23	10	04-018-037	04-018-037	1/1	
T1IT26	10	04-018-041	04-018-041	1/1	
T1IT27	10	04-018-043	04-018-043	1/1	

ELEMENT IDENTIFIER  
AE  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04027	G	04-027-243	04-018-051	1/2	
GRD04027	G	04-027-239	04-018-051	1/2	
GRD04027	G	04-027-240	04-018-051	1/2	
GRD04027	G	04-027-241	04-018-051	1/2	
GRD04027	G	04-027-242	04-018-051	1/2	
00PB1R10	10	04-027-137	04-027-137	1/3	
00PB0R10	10	04-027-136	04-027-136	1/3	
004RCH10	10	04-027-139	04-027-139	1/3	
00BKS10	10	04-027-138	04-027-138	1/3	
11PB1R26	10	04-027-141	04-027-141	1/3	
11PB0R26	10	04-027-140	04-027-140	1/3	
114RCH26	10	04-027-143	04-027-143	1/3	
11BKS26	10	04-027-142	04-027-142	1/3	

ELEMENT IDENTIFIER  
AJ  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04057	G	04-057-239	04-057-256	1/6	
GRD04057	G	04-057-240	04-057-256	1/6	
GRD04057	G	04-057-241	04-057-256	1/6	
GRD04057	G	04-057-242	04-057-256	1/6	
GRD04057	G	04-057-243	04-057-256	1/6	
00PB1R13	10	04-057-137	04-057-137	1/6	
00PB0R13	10	04-057-136	04-057-136	1/6	
004RCH13	10	04-057-139	04-057-139	1/6	
00BKS13	10	04-057-138	04-057-138	1/6	
11PB1R29	10	04-057-141	04-057-141	1/6	
11PB0R29	10	04-057-140	04-057-140	1/6	
114RCH29	10	04-057-143	04-057-143	1/6	
11BKS29	10	04-057-142	04-057-142	1/6	

ELEMENT IDENTIFIER  
AB  
T1 INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
T1IR10	10	04-018-013	04-018-013	1/1	
T1IR11	10	04-018-017	04-018-017	1/1	
T1IR12	10	04-018-021	04-018-021	1/1	
T1IR13	10	04-018-023	04-018-023	1/1	
T1IT10	10	04-018-016	04-018-016	1/1	
T1IT11	10	04-018-018	04-018-018	1/1	
T1IT12	10	04-018-022	04-018-022	1/1	
T1IT13	10	04-018-024	04-018-024	1/1	

ELEMENT IDENTIFIER  
AE  
T1 INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04027	G	04-018-050	04-018-051	1/2	
GRD04027	G	04-018-051	04-018-051	1/2	
GRD04027	G	04-018-054	04-018-051	1/2	
GRD04027	G	04-018-053	04-018-051	1/2	
GRD04027	G	04-018-052	04-018-051	1/2	
GRD04027	G	04-018-051	04-018-051	1/2	
T1OR28A	10	04-018-047	04-018-047	1/2	
T1OR29A	10	04-018-049	04-018-049	1/2	
T1OT28A	10	04-018-048	04-018-048	1/2	
T1OT29A	10	04-018-050	04-018-050	1/2	

ELEMENT IDENTIFIER  
AH  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04037	G	04-037-239	04-037-243	1/4	
GRD04037	G	04-037-240	04-037-243	1/4	
GRD04037	G	04-037-241	04-037-243	1/4	
GRD04037	G	04-037-242	04-037-243	1/4	
GRD04037	G	04-037-243	04-037-243	1/4	
00PB1R11	10	04-037-137	04-037-137	1/4	
00PB0R11	10	04-037-136	04-037-136	1/4	
004RCH11	10	04-037-139	04-037-139	1/4	
00BKS11	10	04-037-138	04-037-138	1/4	
11PB1R27	10	04-037-141	04-037-141	1/4	
11PB0R27	10	04-037-140	04-037-140	1/4	
114RCH27	10	04-037-143	04-037-143	1/4	
11BKS27	10	04-037-142	04-037-142	1/4	

ELEMENT IDENTIFIER  
AK  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04067	G	04-067-239	04-067-256	1/7	
GRD04067	G	04-067-240	04-067-256	1/7	
GRD04067	G	04-067-241	04-067-256	1/7	
GRD04067	G	04-067-242	04-067-256	1/7	
GRD04067	G	04-067-243	04-067-256	1/7	
00PB1R14	10	04-067-137	04-067-137	1/7	
00PB0R14	10	04-067-136	04-067-136	1/7	
004RCH14	10	04-067-139	04-067-139	1/7	
00BKS14	10	04-067-138	04-067-138	1/7	
11PB1R30	10	04-067-141	04-067-141	1/7	
11PB0R30	10	04-067-140	04-067-140	1/7	
114RCH30	10	04-067-143	04-067-143	1/7	
11BKS30	10	04-067-142	04-067-142	1/7	

ELEMENT IDENTIFIER  
AC  
T1 INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
T1OR14A	10	04-018-034	04-018-034	1/2	
T1OR25A	10	04-018-036	04-018-036	1/2	
T1OR26A	10	04-018-040	04-018-040	1/2	
T1OR27A	10	04-018-042	04-018-042	1/2	
T1OT14A	10	04-018-035	04-018-035	1/2	
T1OT25A	10	04-018-037	04-018-037	1/2	
T1OT26A	10	04-018-041	04-018-041	1/2	
T1OT27A	10	04-018-043	04-018-043	1/2	

ELEMENT IDENTIFIER  
AF  
T1 INTERFACE

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04027	G	04-018-051	04-018-051	1/2	
GRD04027	G	04-018-053	04-018-051	1/2	
GRD04027	G	04-018-052	04-018-051	1/2	
GRD04027	G	04-018-054	04-018-051	1/2	
GRD04027	G	04-018-056	04-018-051	1/2	
GRD04027	G	04-018-055	04-018-051	1/2	
GRD04027	G	04-018-054	04-018-051	1/2	
T1IR28	10	04-018-047	04-018-047	1/1	
T1IR29	10	04-018-049	04-018-049	1/1	
T1IT28	10	04-018-048	04-018-048	1/1	
T1IT29	10	04-018-050	04-018-050	1/1	

ELEMENT IDENTIFIER  
AI  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04047	G	04-047-241	04-047-240	1/5	
GRD04047	G	04-047-242	04-047-240	1/5	
GRD04047	G	04-047-243	04-047-240	1/5	
GRD04047	G	04-047-239	04-047-240	1/5	
GRD04047	G	04-047-240	04-047-240	1/5	
00PB1R12	10	04-047-137	04-047-137	1/5	
00PB0R12	10	04-047-136	04-047-136	1/5	
004RCH12	10	04-047-139	04-047-139	1/5	
00BKS12	10	04-047-138	04-047-138	1/5	
11PB1R28	10	04-047-141	04-047-141	1/5	
11PB0R28	10	04-047-140	04-047-140	1/5	
114RCH28	10	04-047-143	04-047-143	1/5	
11BKS28	10	04-047-142	04-047-142	1/5	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

AT&T SD-50203-02 GBZ

DWG SIZE 1  
1

GBZ

CAD 1  
UNIT SYMBOL

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ELEMENT IDENTIFIER  
AL  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04129	G	04-129-239	04-129-256	1/8	
GRD04129	G	04-129-240	04-129-256	1/8	
GRD04129	G	04-129-241	04-129-256	1/8	
GRD04129	G	04-129-242	04-129-256	1/8	
GRD04129	G	04-129-243	04-129-256	1/8	
01PB1N26	IO	04-129-141	04-129-141	1/8	
01PB0N26	IO	04-129-140	04-129-140	1/8	
014PCN26	IO	04-129-143	04-129-143	1/8	
018KSN26	IO	04-129-142	04-129-142	1/8	
10PB1N10	IO	04-129-137	04-129-137	1/8	
10PB0N10	IO	04-129-136	04-129-136	1/8	
104PCN10	IO	04-129-139	04-129-139	1/8	
108KSN10	IO	04-129-138	04-129-138	1/8	

ELEMENT IDENTIFIER  
AO  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04199	G	04-199-243	04-199-256	1/11	
GRD04199	G	04-199-239	04-199-256	1/11	
GRD04199	G	04-199-240	04-199-256	1/11	
GRD04199	G	04-199-241	04-199-256	1/11	
GRD04199	G	04-199-242	04-199-256	1/11	
01PB1N29	IO	04-199-141	04-199-141	1/11	
01PB0N29	IO	04-199-140	04-199-140	1/11	
014PCN29	IO	04-199-143	04-199-143	1/11	
018KSN29	IO	04-199-142	04-199-142	1/11	
10PB1N13	IO	04-199-137	04-199-137	1/11	
10PB0N13	IO	04-199-136	04-199-136	1/11	
104PCN13	IO	04-199-139	04-199-139	1/11	
108KSN13	IO	04-199-138	04-199-138	1/11	

ELEMENT IDENTIFIER  
AR  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04037	G	04-037-256	04-037-243	1/4	
GRD04037	G	04-037-248	04-037-243	1/4	
GRD04037	G	04-037-249	04-037-243	1/4	
GRD04037	G	04-037-250	04-037-243	1/4	
GRD04037	G	04-037-254	04-037-243	1/4	
GRD04037	G	04-037-255	04-037-243	1/4	
00CP11	IO	04-037-148	04-037-148	1/4	
001DP11	IO	04-037-150	04-037-150	1/4	
00NIN11	IO	04-037-146	04-037-146	1/4	
000CP11	IO	04-037-149	04-037-149	1/4	
00SP11	IO	04-037-147	04-037-147	1/4	
11CP27	IO	04-037-154	04-037-154	1/4	
111DP27	IO	04-037-156	04-037-156	1/4	
11NIN27	IO	04-037-152	04-037-152	1/4	
110DP27	IO	04-037-155	04-037-155	1/4	
11SP27	IO	04-037-153	04-037-153	1/4	

ELEMENT IDENTIFIER  
AT  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04057	G	04-057-250	04-057-256	1/6	
GRD04057	G	04-057-254	04-057-256	1/6	
GRD04057	G	04-057-255	04-057-256	1/6	
GRD04057	G	04-057-249	04-057-256	1/6	
GRD04057	G	04-057-256	04-057-256	1/6	
GRD04057	G	04-057-248	04-057-256	1/6	
00CP13	IO	04-057-148	04-057-148	1/6	
001DP13	IO	04-057-150	04-057-150	1/6	
00NIN13	IO	04-057-146	04-057-146	1/6	
000CP13	IO	04-057-149	04-057-149	1/6	
00SP13	IO	04-057-147	04-057-147	1/6	
11CP29	IO	04-057-154	04-057-154	1/6	
111DP29	IO	04-057-156	04-057-156	1/6	
11NIN29	IO	04-057-152	04-057-152	1/6	
110DP29	IO	04-057-155	04-057-155	1/6	
11SP29	IO	04-057-153	04-057-153	1/6	

ELEMENT IDENTIFIER  
AN  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04199	G	04-199-239	04-199-256	1/9	
GRD04199	G	04-199-240	04-199-256	1/9	
GRD04199	G	04-199-241	04-199-256	1/9	
GRD04199	G	04-199-242	04-199-256	1/9	
GRD04199	G	04-199-243	04-199-256	1/9	
01PB1N27	IO	04-199-141	04-199-141	1/9	
01PB0N27	IO	04-199-140	04-199-140	1/9	
014PCN27	IO	04-199-143	04-199-143	1/9	
018KSN27	IO	04-199-142	04-199-142	1/9	
10PB1N11	IO	04-199-137	04-199-137	1/9	
10PB0N11	IO	04-199-136	04-199-136	1/9	
104PCN11	IO	04-199-139	04-199-139	1/9	
108KSN11	IO	04-199-138	04-199-138	1/9	

ELEMENT IDENTIFIER  
AP  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04169	G	04-169-239	04-169-256	1/12	
GRD04169	G	04-169-240	04-169-256	1/12	
GRD04169	G	04-169-241	04-169-256	1/12	
GRD04169	G	04-169-242	04-169-256	1/12	
GRD04169	G	04-169-243	04-169-256	1/12	
01PB1N30	IO	04-169-141	04-169-141	1/12	
01PB0N30	IO	04-169-140	04-169-140	1/12	
014PCN30	IO	04-169-143	04-169-143	1/12	
018KSN30	IO	04-169-142	04-169-142	1/12	
10PB1N14	IO	04-169-137	04-169-137	1/12	
10PB0N14	IO	04-169-136	04-169-136	1/12	
104PCN14	IO	04-169-139	04-169-139	1/12	
108KSN14	IO	04-169-138	04-169-138	1/12	

ELEMENT IDENTIFIER  
AS  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04047	G	04-047-255	04-047-240	1/5	
GRD04047	G	04-047-248	04-047-240	1/5	
GRD04047	G	04-047-256	04-047-240	1/5	
GRD04047	G	04-047-249	04-047-240	1/5	
GRD04047	G	04-047-250	04-047-240	1/5	
GRD04047	G	04-047-254	04-047-240	1/5	
00CP12	IO	04-047-148	04-047-148	1/5	
001DP12	IO	04-047-150	04-047-150	1/5	
00NIN12	IO	04-047-146	04-047-146	1/5	
000CP12	IO	04-047-149	04-047-149	1/5	
00SP12	IO	04-047-147	04-047-147	1/5	
11CP28	IO	04-047-154	04-047-154	1/5	
111DP28	IO	04-047-156	04-047-156	1/5	
11NIN28	IO	04-047-152	04-047-152	1/5	
110DP28	IO	04-047-155	04-047-155	1/5	
11SP28	IO	04-047-153	04-047-153	1/5	

ELEMENT IDENTIFIER  
AU  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04067	G	04-067-254	04-067-256	1/7	
GRD04067	G	04-067-255	04-067-256	1/7	
GRD04067	G	04-067-256	04-067-256	1/7	
GRD04067	G	04-067-249	04-067-256	1/7	
GRD04067	G	04-067-250	04-067-256	1/7	
GRD04067	G	04-067-248	04-067-256	1/7	
00CP14	IO	04-067-148	04-067-148	1/7	
001DP14	IO	04-067-150	04-067-150	1/7	
00NIN14	IO	04-067-146	04-067-146	1/7	
000CP14	IO	04-067-149	04-067-149	1/7	
00SP14	IO	04-067-147	04-067-147	1/7	
11CP30	IO	04-067-154	04-067-154	1/7	
111DP30	IO	04-067-156	04-067-156	1/7	
11NIN30	IO	04-067-152	04-067-152	1/7	
110DP30	IO	04-067-155	04-067-155	1/7	
11SP30	IO	04-067-153	04-067-153	1/7	

ELEMENT IDENTIFIER  
AN  
DATA BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04149	G	04-149-240	04-149-256	1/10	
GRD04149	G	04-149-241	04-149-256	1/10	
GRD04149	G	04-149-242	04-149-256	1/10	
GRD04149	G	04-149-243	04-149-256	1/10	
GRD04149	G	04-149-239	04-149-256	1/10	
01PB1N28	IO	04-149-141	04-149-141	1/10	
01PB0N28	IO	04-149-140	04-149-140	1/10	
014PCN28	IO	04-149-143	04-149-143	1/10	
018KSN28	IO	04-149-142	04-149-142	1/10	
10PB1N12	IO	04-149-137	04-149-137	1/10	
10PB0N12	IO	04-149-136	04-149-136	1/10	
104PCN12	IO	04-149-139	04-149-139	1/10	
108KSN12	IO	04-149-138	04-149-138	1/10	

ELEMENT IDENTIFIER  
AO  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04027	G	04-027-254	04-018-051	1/2	
GRD04027	G	04-027-255	04-018-051	1/2	
GRD04027	G	04-027-256	04-018-051	1/2	
GRD04027	G	04-027-249	04-018-051	1/2	
GRD04027	G	04-027-250	04-018-051	1/2	
GRD04027	G	04-027-248	04-018-051	1/2	
00CP10	IO	04-027-148	04-027-148	1/3	
001DP10	IO	04-027-150	04-027-150	1/3	
00NIN10	IO	04-027-146	04-027-146	1/3	
000CP10	IO	04-027-149	04-027-149	1/3	
00SP10	IO	04-027-147	04-027-147	1/3	
11CP26	IO	04-027-154	04-027-154	1/3	
111DP26	IO	04-027-156	04-027-156	1/3	
11NIN26	IO	04-027-152	04-027-152	1/3	
110DP26	IO	04-027-155	04-027-155	1/3	
11SP26	IO	04-027-153	04-027-153	1/3	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

DATE	ISSUE
12	1

AT&T SD-5D203-02 GB3

CAD 1  
UNIT SYMBOL

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ELEMENT IDENTIFIER  
AJ  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GR004129	G	04-129-253	04-129-256	1/8	
GR004129	G	04-129-254	04-129-256	1/8	
GR004129	G	04-129-256	04-129-256	1/8	
GR004129	G	04-129-248	04-129-256	1/8	
GR004129	G	04-129-249	04-129-256	1/8	
GR004129	G	04-129-250	04-129-256	1/8	
01CP26	IO	04-129-154	04-129-154	1/8	
01DP26	IO	04-129-156	04-129-156	1/8	
01NIN26	IO	04-129-152	04-129-152	1/8	
010DP26	IO	04-129-155	04-129-155	1/8	
01SP26	IO	04-129-153	04-129-153	1/8	
10CP10	IO	04-129-148	04-129-148	1/8	
10IDP10	IO	04-129-150	04-129-150	1/8	
10NIN10	IO	04-129-146	04-129-146	1/8	
100DP10	IO	04-129-149	04-129-149	1/8	
10SP10	IO	04-129-147	04-129-147	1/8	

ELEMENT IDENTIFIER  
AK  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GR004149	G	04-149-250	04-149-256	1/10	
GR004149	G	04-149-254	04-149-256	1/10	
GR004149	G	04-149-255	04-149-256	1/10	
GR004149	G	04-149-249	04-149-256	1/10	
GR004149	G	04-149-256	04-149-256	1/10	
GR004149	G	04-149-248	04-149-256	1/10	
01CP28	IO	04-149-154	04-149-154	1/10	
01DP28	IO	04-149-156	04-149-156	1/10	
01NIN28	IO	04-149-152	04-149-152	1/10	
010DP28	IO	04-149-155	04-149-155	1/10	
01SP28	IO	04-149-153	04-149-153	1/10	
10CP12	IO	04-149-148	04-149-148	1/10	
10IDP12	IO	04-149-150	04-149-150	1/10	
10NIN12	IO	04-149-146	04-149-146	1/10	
100DP12	IO	04-149-149	04-149-149	1/10	
10SP12	IO	04-149-147	04-149-147	1/10	

ELEMENT IDENTIFIER  
AZ  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GR004169	G	04-169-256	04-169-256	1/12	
GR004169	G	04-169-248	04-169-256	1/12	
GR004169	G	04-169-249	04-169-256	1/12	
GR004169	G	04-169-250	04-169-256	1/12	
GR004169	G	04-169-254	04-169-256	1/12	
GR004169	G	04-169-255	04-169-256	1/12	
01CP30	IO	04-169-154	04-169-154	1/12	
01DP30	IO	04-169-156	04-169-156	1/12	
01NIN30	IO	04-169-152	04-169-152	1/12	
010DP30	IO	04-169-155	04-169-155	1/12	
01SP30	IO	04-169-153	04-169-153	1/12	
10CP14	IO	04-169-148	04-169-148	1/12	
10IDP14	IO	04-169-150	04-169-150	1/12	
10NIN14	IO	04-169-146	04-169-146	1/12	
100DP14	IO	04-169-149	04-169-149	1/12	
10SP14	IO	04-169-147	04-169-147	1/12	

ELEMENT IDENTIFIER  
AJ  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GR004139	G	04-139-256	04-139-256	1/9	
GR004139	G	04-139-248	04-139-256	1/9	
GR004139	G	04-139-249	04-139-256	1/9	
GR004139	G	04-139-250	04-139-256	1/9	
GR004139	G	04-139-254	04-139-256	1/9	
GR004139	G	04-139-255	04-139-256	1/9	
01CP27	IO	04-139-154	04-139-154	1/9	
01DP27	IO	04-139-156	04-139-156	1/9	
01NIN27	IO	04-139-152	04-139-152	1/9	
010DP27	IO	04-139-155	04-139-155	1/9	
01SP27	IO	04-139-153	04-139-153	1/9	
10CP11	IO	04-139-148	04-139-148	1/9	
10IDP11	IO	04-139-150	04-139-150	1/9	
10NIN11	IO	04-139-146	04-139-146	1/9	
100DP11	IO	04-139-149	04-139-149	1/9	
10SP11	IO	04-139-147	04-139-147	1/9	

ELEMENT IDENTIFIER  
AY  
CONTROL BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GR004159	G	04-159-256	04-159-256	1/11	
GR004159	G	04-159-249	04-159-256	1/11	
GR004159	G	04-159-250	04-159-256	1/11	
GR004159	G	04-159-248	04-159-256	1/11	
GR004159	G	04-159-254	04-159-256	1/11	
GR004159	G	04-159-255	04-159-256	1/11	
01CP29	IO	04-159-154	04-159-154	1/11	
01DP29	IO	04-159-156	04-159-156	1/11	
01NIN29	IO	04-159-152	04-159-152	1/11	
010DP29	IO	04-159-155	04-159-155	1/11	
01SP29	IO	04-159-153	04-159-153	1/11	
10CP13	IO	04-159-148	04-159-148	1/11	
10IDP13	IO	04-159-150	04-159-150	1/11	
10NIN13	IO	04-159-146	04-159-146	1/11	
100DP13	IO	04-159-149	04-159-149	1/11	
10SP13	IO	04-159-147	04-159-147	1/11	

ELEMENT IDENTIFIER  
BA

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
-48VA	P	02-007-001	02-007-001	1/13	
-48VB	P	02-179-000	02-179-000	1/15	

ELEMENT IDENTIFIER  
BB

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
-48RTBA	G	02-015-001	02-015-001	1/14	
-48RTBB	G	02-179-004	02-179-004	1/15	
FR004	G	02-179-008	02-179-008	1/15	

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DIGITAL CARRIER LINE UNIT - SUPPLEMENT

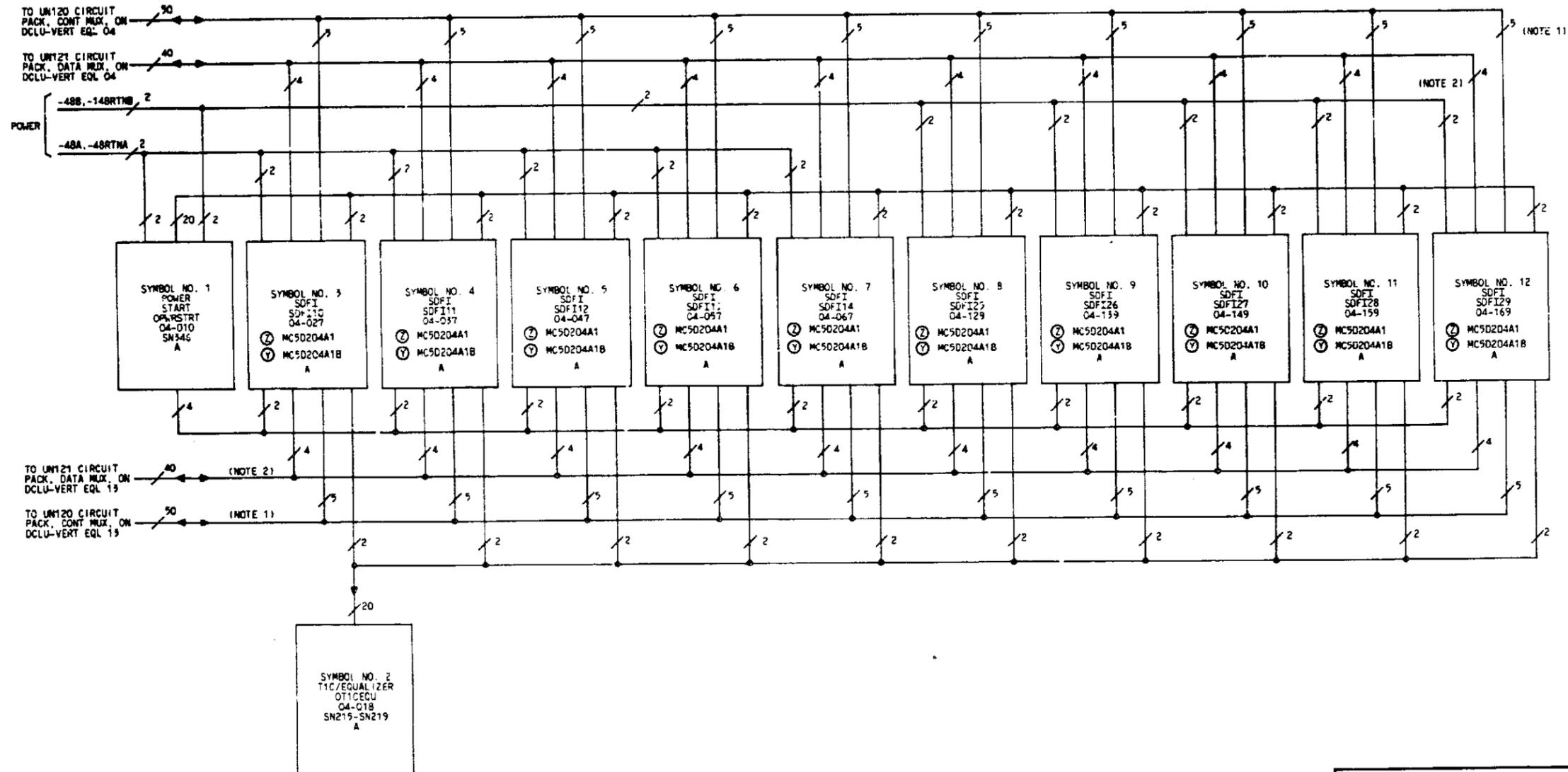
DWG SIZE C2	ISSUE 1
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AT&T SD-5D203-02 GB4

BD 1  
CIRCUIT BLOCK DIAGRAM

NOTES:

- THREE OF THESE FIVE SIGNAL LEADS ALSO HAVE A TWISTED PAIR GROUND LEAD.
- THESE ARE FOUR TWISTED PAIR.

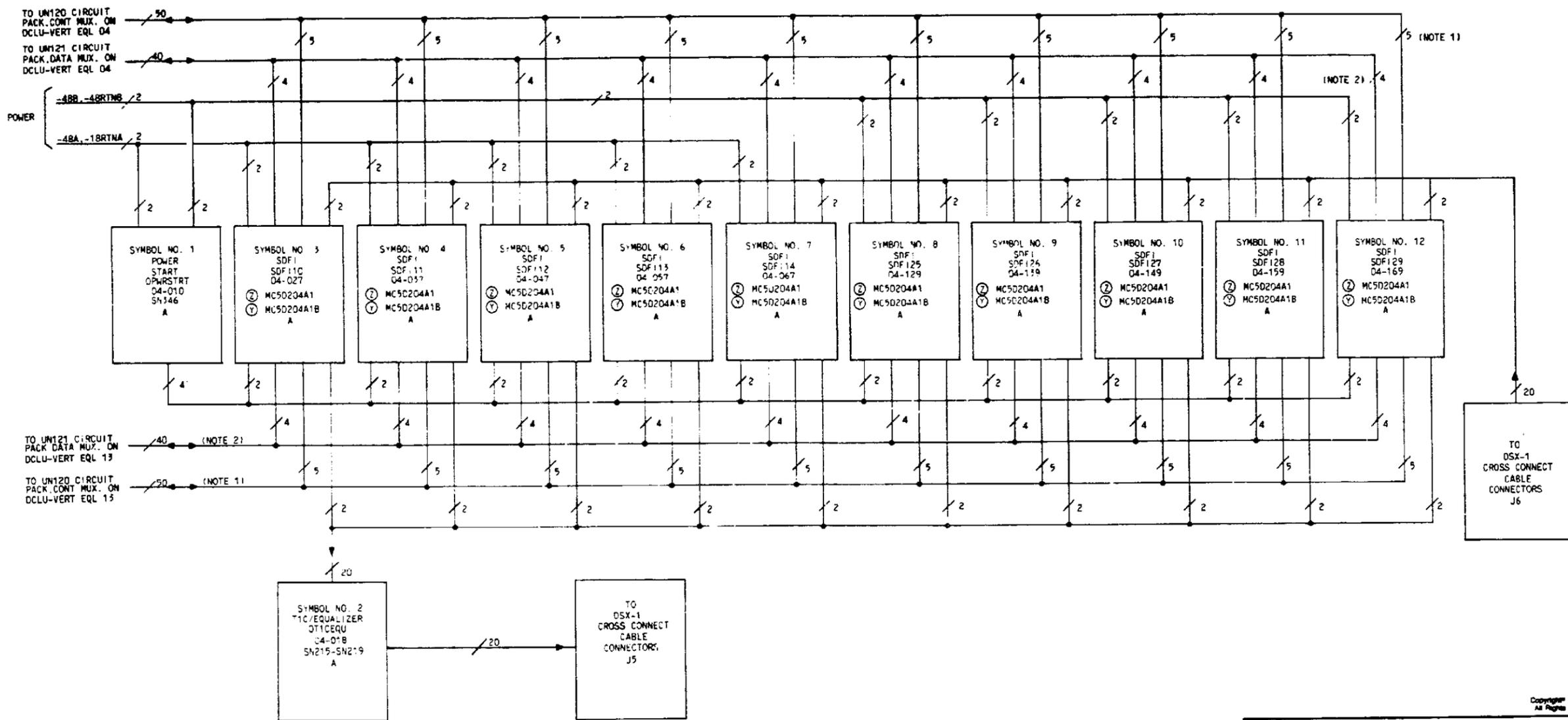


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DIGITAL CARRIER LINE UNIT - SUPPLEMENT		ISSUE 2B
AT&T	SD-5D203-02	SHEET H1

BD 2  
CIRCUIT BLOCK DIAGRAM

- NOTES:
- THREE OF THESE FIVE SIGNAL LEADS, ALSO HAVE A TWISTED PAIR GROUND LEAD.
  - THESE ARE FOUR TWISTED PAIR.



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DIGITAL CARRIER LINE UNIT-SUPPLEMENT		DWG SIZE	ISSUE
		83	2B
AT&T	SD-5D203-02	SHEET H2	