

TABLE A
SD & T DWG ISSUES ARE IN AGREEMENT AS FOLLOWS:

SD-3F009-01	1	1	2A	3D	4B	4B	4B	4B	5B	6B	7B	7B							
T*3F009-11	1	2	3	4	5	6	7	8	9	10	11	12							

SHEET INDEX

SECTION A		SECTION B		SECTION C		SECTION D						
AUTOCHG	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS
	A1	12	B1	4	B61		C1	4	C61		D1	12
	A2	12	B2	4	B62		C2	4	C62		D2	10
	A3	12	B3	4	B63		C3	4	C63		D3	7
	A4		B4	4	B64		C4	4	C64		D4	9
	A5		B5	4	B65		C5	4	C65		D5	7
	A6		B6	4	B66		C6	4	C66		D6	9
	A7		B7	4	B67		C7	4	C67		D7	9
	A8		B8	4	B68		C8	4	C68		D8	12
	A9		B9	4	B69		C9	4	C69		D9	
	A10		B10	4	B70		C10	4	C70		D10	
	A11		B11	4	B71		C11	4	C71		D11	
	A12		B12	4	B72		C12	4	C72		D12	
	A13		B13	4	B73		C13	4	C73		D13	
	A14		B14	4	B74		C14	4	C74		D14	
	A15		B15	4	B75		C15	4	C75		D15	
	A16		B16	4	B76		C16	4	C76		D16	
	A17		B17	4	B77		C17	4	C77		D17	
	A18		B18	4	B78		C18	4	C78		D18	
	A19		B19	4	B79		C19	4	C79		D19	
	A20		B20	4	B80		C20	4	C80		D20	
	A21		B21	4	B81		C21	4	C81		D21	
	A22		B22	4	B82		C22	4	C82		D22	
	A23		B23	4	B83		C23	4	C83		D23	
	A24		B24	4	B84		C24	4	C84		D24	
	A25		B25	4	B85		C25	4	C85		D25	
	A26		B26	4	B86		C26	4	C86		D26	
	A27		B27	4	B87		C27	4	C87		D27	
	A28		B28	4	B88		C28	4	C88		D28	
	A29		B29	4	B89		C29	4	C89		D29	
	A30		B30	4	B90		C30	4	C90		D30	
	A31		B31	4	B91		C31	4	C91		D31	
	A32		B32	4	B92		C32	4	C92		D32	
	A33		B33	4	B93		C33	4	C93		D33	
	A34		B34	4	B94		C34	4	C94		D34	
	A35		B35	4	B95		C35	4	C95		D35	
	A36		B36	4	B96		C36	4	C96		D36	
	A37		B37	4	B97		C37	4	C97		D37	
	A38		B38	4	B98		C38	4	C98		D38	
	A39		B39	4	B99		C39	4	C99		D39	
	A40		B40	4	B100		C40	4	C100		D40	
	A41		B41	4	B101		C41	4	C101		D41	
	A42		B42	4	B102		C42	4	C102		D42	
	A43		B43	4	B103		C43	4	C103		D43	
	A44		B44	4	B104		C44	4	C104		D44	
	A45		B45	4	B105		C45	4	C105		D45	
	A46		B46	4	B106		C46	4	C106		D46	
	A47		B47	4	B107		C47	4	C107		D47	
	A48		B48	4	B108		C48	4	C108		D48	
	A49		B49	4	B109		C49	4	C109		D49	
	A50		B50	4	B110		C50	4	C110		D50	
	A51		B51	4	B111		C51	4	C111		D51	
	A52		B52	4	B112		C52	4	C112		D52	
	A53		B53	4	B113		C53	4	C113		D53	
	A54		B54	4	B114		C54	4	C114		D54	
	A55		B55	4	B115		C55	4	C115		D55	
	A56		B56	4	B116		C56	4	C116		D56	
	A57		B57	4	B117		C57	4	C117		D57	
	A58		B58	4	B118		C58	4	C118		D58	
	A59		B59	4	B119		C59	4	C119		D59	
	A60		B60	4	B120		C60	4	C120		D60	

TABLE E - FEATURE TABLE - SEE NOTE 52 & 53 & 58

ITEM	SD	ISS	DESCRIPTION	SPECIFY						REMARKS
				FIG.	WRG	APP	QTY	AUTO	OPT	
EA	EC	ED	EE	EF	EG	EH				
1*	10		PROVIDES FOR A LINK NODE "A" CIRCUIT ON RING NODE <RNC/RNF>	H2*	1		R	1	0	
A	10		PROVIDES CABLING TO A LINK NODE "B" OR DS1 B CIRCUIT (SAME RNC/RNF) AND TERMINATIONS FROM A 3B INTERFACE CIRCUIT.	H3						(SEE NOTE 57)
2	10		PROVIDES CABLING TO LINK DISTRIBUTION FRAME FOR ANALOG AND DIGITAL FACILITIES. <NO. 2 STP ONLY>	H6	E			1		
B			PROVIDES FOR THE SECOND PARTIALLY EQUIPPED LINK NODE.	2			R	1	0	
C			PROVIDES FOR THE THIRD PARTIALLY EQUIPPED LINK NODE.	3			R	1	0	
D			PROVIDES THE ARRANGEMENT OF THE LINK NODE FOR	4			Z	1		
			NON-ENCRYPTED 2400BPS/4800BPS				X	1		
			NON-ENCRYPTED 56K				M	1		
			ENCRYPTED 4800BPS				V	1		
			ENCRYPTED 56K							
E			PROVIDES INTERFRAME BUFFER	6 MHz VERSION 4K BYTES	13		A	1		
			16 BYTES/8 MHz	13			ZA	1		
			4K BYTES/8 MHz	13			ZB	1		
			16 BYTES/5 MHz	5			T	1		
			512 BYTES/5 MHz	5			U	1		
F			PROVIDES MOL CIRCUIT PACK (1PSS-R4)	6			ZG	2	ZF	
G			PROVIDES TWO RS232 PORTS & TWO V.35 PORTS	7						
H			PROVIDES FOUR RS232 PORTS	8						
J			PROVIDES FOUR RS449 PORTS	9						
K			PROVIDES FOUR V.35 PORTS	10						
L			PROVIDES FOUR PORT INTERFACE CIRCUIT PACK (AC1)	11						
M			PROVIDES A NEW CODED "NP" CP (MC-3F012A1)	(1)			P	1	R	
				(2)			P	1	R	
				(3)			P	1	R	
			PROVIDES A NEW CODED "RI" CP	(1)			D,H	1	N	
				(2)			D,H	1	N	
				(3)			D,H	1	N	
N*			PROVIDES CABLING TO DATA FACILITIES CAB. FOR AUTOPLEX.	H13				1		RS232
				H15				1		RS449
P*			PROVIDES FOR V.35 PROTOCOL.	H14				1		
R			PROVIDES INTEGRATED RING NODE (IRN).	12	HA		ZC,ZK	1	ZD	(SEE NOTE 57)
T			PROVIDES DIRECT V.35 PORT AT THE RING	14				1		
U			LONG MESSAGE OPERATION.	(1)	G			1		
				(2)	G			1		
				(3)	G			1		
V			PROVIDES TOKEN TRACK FEATURE (UN122C CP)	(1)			D	1	H	
				(2)			D	1	H	
				(3)			D	1	H	
W			PROVIDES PROGRAMMING RESISTOR CONNECTOR	(1)			ZE	1		
				(3)			ZF	1		

ENGINEERING NOTES

51. SEE TABLE A FOR DRAWING FROM WHICH THIS DRAWING IS MADE.

52. ITEMS DESIGNATED WITH NUMBERS ARE COMMON FEATURES. ITEMS DESIGNATED BY LETTERS ARE OPTIONAL FEATURES.

53. ITEMS DESIGNATED WITH AN ASTERISK IN TABLE E CONTAIN FIGURES OR OPTIONS REQUIRED BUT NOT COVERED ON ASSOCIATED STANDARD EQUIPMENT MANUFACTURING DRAWING.

54. EQUIPMENT ARRANGEMENT:
J3F011AB-1

55. CONNECTING DRAWING:
T*3F008-11 3B INTERFACE UNIT
T*3F010-11 LINK NODE B OBT
T*3F014-11 LINK DISTRIBUTION FR
T*3F006-11 DIGITAL FACILITIES ACCESS
T*3F005-11 ANALOG FACILITIES ACCESS
T*3F021-11 DIGITAL FACILITIES ACCESS
T*3F023-11 DIGITAL FACILITIES ACCESS
T*3F029-11 DIGITAL FACILITIES ACCESS UNIT
SD-2R236-01 DATA FACILITIES CAB. (APX)

56. THESE CABLES SHALL BE ORDERED WHEN THIS CIRCUIT (T*3F009-11) IS THE LAST EQUIPPED CIRCUIT ON A RING NODE FRAME. IF T*3F009-11 IS NOT THE LAST EQUIPPED CIRCUIT ON RING NODE FRAME, SEE T*3F010-11 FOR ORDERING OF CABLE (ONLY ONE SET OF FOUR HE7()-HE10() OR P08-P011 CABLES PER RN FR).

57. THE INFORMATION SHOWN IN THESE FIGURES IS FOR RECORD ONLY, THE WIRING DESCRIBED IS ORDERED ON ASSOCIATED J DRAWING.

58. ADDITIONAL FIGURES ARE SHOWN ON J3F011AB-1. TABLE A THOSE FIGURES SHOWN ON J3F011AB-1 CORRESPOND TO APP FIG. SHOWN IN SD-3F009-01.

59. "PW" (PRINTED WIRING) AND GARDNER-DENVER APPLIED "04" WIRING IS PER ED-3F013-30 AND D4J3F011AB-1.

60. FOR CABLE ASSIGNMENT SEE APPLICATION SCHEMATIC SD-2R236-01

N003F011CB-1	3-3-83	
DDS DDS	KCH	1
TABLE E, CLARIFICATION OF ITEM 4 & 5, B & C SHEETS ADDED		
6-9-83		CL B
BRJ BRJ	KCH	2
"NO. 2 STP ONLY" ADDED TO DESCRIPTION IN TBL E. ITEM 6 ADDED IN TBL E. NOTES 58 & 59 ADDED. FIG. H8 ADDED.		
2-14-84		CL D
FAO FAO	KCH	3
TABLE E, ITEM 7 ADDED. FIG. H9 ADDED.		
1-25-85		CL D
BJG BJG	KCH	4
TABLE E ITEMS 8 & 9 ADDED. TABLE G ITEMS 14-17 CA DESIG CHANGED.		
5-1-85		CL D
DEM DEM	KCH	5
SH D#8 ADDED. MISC CHG'S MADE THROUGHOUT DWG.		
9-11-85		CL B
JFL JFL	KCH	6
SYSTEM NAME IN TITLE BOX CHANGED. TBL "G" CHANGED TO SHOW SPECIFIC SYSTEM, CABLE IS SHOWN WITH TBL E ITEM 22 ADDED.		
5-6-86		CL B
DEM DEM	KCH	7
ENGINEERING NOTE CHANGED TO REFLECT THE ADDITION OF T-3F029-11. TABLE G5 ADDED.		
2-3-87		CL D
WGS WGS	KCH	8
FIGS. 12, 13, & 14 ADDED. IN FIGS. 1, 2 & 3 "D" APP ADDED & "G" WRG.		
10-8-87		CL B
WGS WGS	KCH	9
APP OPT 2A, 2B, 2C & 2D ADDED.		
7-18-88		CL B
WJH JFL	KCH	10
APP FIG. 1 & 3, 2E & 2F ADDED.		
5-17-89		CL B
RDS JFL	KCH	11
TABLE E, ITEM 6 ZG, ZF ADDED. ITEM R 2K ADDED.		
4-3-91		CL B
BJG JFL	KCH	12

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AW99

SIGNALING AND PACKET SWITCHING SYSTEM
LINK NODE A CIRCUIT

DWG SIZE: C2
ISSUE: 12

AT&T T*3F009-11 SHEET A1 OF 27

ITEM	FIG.	OPT	LEADS PER FIG.	CABLES PER FIG.	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQPT LOC	CABLE SHIELD	REMARKS
	GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN
1	H2		16	1		RN FR	HE7A	LINK NODE A	RN FR		3B1 OR LINK NODE A	1	FORMED PER ED-3F004-30 GR14A. MAX LENGTH 50 FEET (SEE NOTE 56)
2	H2		16	1		RN FR	HE8A	LINK NODE A	RN FR		3B1 OR LINK NODE A	1	FORMED PER ED-3F004-30 GR14B. MAX LENGTH 50 FEET (SEE NOTE 56)
3	H2		16	1		RN FR	HE9A	LINK NODE A	RN FR		3B1 OR LINK NODE A	1	FORMED PER ED-3F004-30 GR14C. MAX LENGTH 50 FEET (SEE NOTE 56)
4	H2		16	1		RN FR	HE10A	LINK NODE A	RN FR		3B1 OR LINK NODE A	1	FORMED PER ED-3F004-30 GR14D. MAX LENGTH 50 FEET (SEE NOTE 56)
5	H6	E	32	1		RN FR	HE13	LINK NODE A (LN 01)	LINK DIST			3	FORMED PER ED-3F004-30, GR45A
6	H6	E	32	1			HE14	LINK NODE A (LN 02)				3	FORMED PER ED-3F004-30, GR45B
7	H6	E	32	1			HE15	LINK NODE A (LN 03)				3	FORMED PER ED-3F004-30, GR45C
8	H6	E	32	1			HE19	LINK NODE A (LN 07)				3	FORMED PER ED-3F004-30, GR45G
9	H6	E	32	1			HE20	LINK NODE A (LN 08)				3	FORMED PER ED-3F004-30, GR45H
10	H6	E	32	1			HE21	LINK NODE A (LN 09)				3	FORMED PER ED-3F004-30, GR45J
11	H6	E	32	1			HE25	LINK NODE A (LN 13)				3	FORMED PER ED-3F004-30, GR45N
12	H6	E	32	1			HE26	LINK NODE A (LN 14)				3	FORMED PER ED-3F004-30, GR45P
13	H6	E	32	1			HE27	LINK NODE A (LN 15)				3	FORMED PER ED-3F004-30, GR45Q

ITEM	FIG.	OPT	FUSE AMP	FUSE CODE	POTENTIAL	DESIG	QTY	LOCATION	REMARKS

ITEM	FIG.	LA	LB	LC	LD	LE	REMARKS

CHANGE ON ISSUE	SPECIFY IF OFFICE RECORDS	DO NOT SPECIFY THIS OPTION WAS FURNISHED	SEE NOTE	STD	ARM	MD	RATING
12		ZK	ZC	ZC,ZK			
12		ZF OR ZG	ZF	ZF,ZG			
10		ZC OR ZD	ZD	ZC	ZD		
10		ZB	A, NONE	ZB			
10		ZA	T, NONE	ZA			
6		M,N	N	M,N			
3		U,T		U,T			
3		Z		Z			
3		Y		Y			
3		X		X			
3		W		W			
3		V		V			
4		P	Q	P	Q		
3		R,O	Q	R,O			

FIG.	OPT	FIG.	APP	REMARKS
SD-3F009-01	T+3F009-11			

SCHMATIC FIGURES AND OPTIONS AGREE WITH SIMILARLY DESIGNATED WIRING DIAGRAM FIGURES AND OPTIONS EXCEPT AS SHOWN ABOVE. WE ASSIGNED FIGURES AND OPTIONS ARE PREFIXED WITH LETTER H AND HAVE NO SCHMATIC EQUIVALENT, UNLESS SHOWN ABOVE. ITEMS IN () PARENTHESES ARE FOR INFORMATION ONLY AND ARE NOT TO BE RECORDED ON JOB WIRING LIST DRAWING.

ITEM	A	SH	FIG.	DIST	FR	REQUIREMENTS

MANUFACTURING NOTES (CONTINUED)

MANUFACTURING NOTES CONVENTIONS

- SWITCHBOARD CABLE
- 70 INSTALLER WIRING
- SYMBOL FOLLOWED BY LEAD DESIGNATION INDICATES LEAD TO ANOTHER CIRCUIT CONTROLLED BY THIS CIRCUIT.
- SYMBOL FOLLOWED BY LEAD DESIGNATION INDICATES LEAD TO THIS CIRCUIT, CONTROLLED BY ANOTHER CIRCUIT.
- LP LOOP LEAD TO BE CUT AND CONNECTED WHEN ASSOCIATED OPTION IS SPECIFIED.
- F,R,BEAD IS IN 1ST, 2ND, OR 3RD EXTRA STITCH, RESPECTIVELY, PROGRESSING TOWARD TIP OF CABLE ARM.
- AA, ACROSS REFERENCE SYMBOLS IDENTIFY CONNECTION OF PIGTAIL COMPONENTS LISTED IN THE B SECTION.
- x WITHOUT, AS X x Y INDICATES X WITHOUT Y.
- * BREAK IN CONTINUITY OF RUN WHEN OPTION IS EQUIPPED
- # ANOTHER CONNECTION TO TERMINAL APPEARS IN THE RUN.
- ⓐ A CONNECTION POINT OF A BIFURCATE TERMINAL.
- ⓑ A CONNECTION POINT OF A BIFURCATE TERMINAL WITH ANOTHER CONNECTION APPEARING IN THE RUN.
- / A SLASH (/) IN THE TERMINAL COLUMN SEPARATES THE SCHEMATIC NUMBER SHOWN ON THE LEFT FROM THE IDENTIFYING NUMBER SHOWN TO THE RIGHT OF THE SLASH, IDENTIFY TERMINALS AS FOLLOWS:
 - A) TERMINALS IN HORIZONTAL ROWS. NUMBER 1 & UP, LEFT TO RIGHT. SUFFIX T, M, OR B INDICATES TOP, MIDDLE OR BOTTOM ROW (EXAMPLE: 2T, 1M, 3B, ETC.)
 - B) TERMINALS IN VERTICAL ROWS. NUMBER 1 & UP, BOTTOM TO TOP. SUFFIX L OR R INDICATES LEFT OR RIGHT ROW (EXAMPLE: 2L, 3R, ETC.)
 - C) TO FACILITATE IDENTIFICATION OF UNSTAMPED TERMINAL NUMBERING SEE H-915-200.
- B TERMINAL NEAREST BASE OF TERMINAL STRIP.
- E ADJACENT ROWS OF TERMINALS.
- K TOP OR LEFT ROW OF TERMINALS.
- 1W, 2W, 3W, 4W TWO, THREE OR FOUR CONDUCTOR
- 3W, 4W ACROSS-CONNECTION WIRE.
- NC NO CONNECTION.
- DU DOUBLING UP TERMINAL.
- MLT MULTIPLE LIKE NUMBERED TERMINALS OF LIKE DESIGNATED APPARATUS.
- F A SUFFIX TO A TERMINAL NUMBER INDICATING CONNECTION TO FRONT OF COMPONENT.
- X,Y COMMA SEPARATING OPTIONS INDICATES 'OR', AS X OR Y.
- P PAIR P101, P102, ETC. INDICATES PAIR NUMBER.
- POS IN THE COLOR FIELD OF A PIGTAIL CONNECTION INDICATES POSITIVE (+) END OF THE PIGTAIL.
- TO IN THE COLOR FIELD OF A PIGTAIL CONNECTION INDICATES THE TERMINAL TO WHICH THE ARROW OF A DIODE POINTS.

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LINK NODE A CIRCUIT		DWG SIZE	ISSUE
		C2	12
AT&T	T*3F009-11	SHEET A2	

TABLE G1 - CABLING (1PSS/R4 E-1 CAB.)													
ITEM	FIG.	OPT	LEADS PER FIG.	CABLES PER FIG.	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQPT LOC	CABLE SHIELD	REMARKS
GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN	
1	H2		16	1	3129-0253	RNC LN A	PD8	RD OUT BAL 300	RNC 3B1, LN A		RD IN BAL 100	1	FORMED PER ED-3F064-37 GR14A. MAX LENGTH 50 FEET (SEE NOTE 56)
2	H2		16	1	3129-0253	RNC LN A	PD9	RD OUT BAL 313	RNC 3B1, LN A		RD IN BAL 113	1	FORMED PER ED-3F064-37 GR14B. MAX LENGTH 50 FEET (SEE NOTE 56)
3	H2		16	1	3129-0253	RNC LN A	PD10	R1 IN BAL 100	RNC 3B1, LN A		R1 OUT BAL 300	1	FORMED PER ED-3F064-37 GR14C. MAX LENGTH 50 FEET (SEE NOTE 56)
4	H2		16	1	3129-0253	RNC LN A	PD11	R1 IN BAL 113	RNC 3B1, LN A		R1 OUT BAL 313	1	FORMED PER ED-3F064-37 GR14D. MAX LENGTH 50 FEET (SEE NOTE 56)

TABLE G3 - CABLING (4ESS/ACT E-1 CAB)													
ITEM	FIG.	OPT	LEADS PER FIG.	CABLES PER FIG.	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQPT LOC	CABLE SHIELD	REMARKS
GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN	
1	H2		16	1	3129-0253	RNC LN A	PD8	RD OUT BAL 300	RNC 3B1		RD IN BAL 100	1	FORMED PER ED-3F064-37 GR14A. MAX LENGTH 50 FEET (SEE NOTE 56)
2	H2		16	1	3129-0253	RNC LN A	PD9	RD OUT BAL 313	RNC 3B1		RD IN BAL 113	1	FORMED PER ED-3F064-37 GR14B. MAX LENGTH 50 FEET (SEE NOTE 56)
3	H2		16	1	3129-0253	RNC LN A	PD10	R1 IN BAL 100	RNC 3B1		R1 OUT BAL 300	1	FORMED PER ED-3F064-37 GR14C. MAX LENGTH 50 FEET (SEE NOTE 56)
4	H2		16	1	3129-0253	RNC LN A	PD11	R1 IN BAL 113	RNC 3B1		R1 OUT BAL 313	1	FORMED PER ED-3F064-37 GR14D. MAX LENGTH 50 FEET (SEE NOTE 56)

TABLE G2 - CABLING (NO. 2A STP E-1 CAB)													
ITEM	FIG.	OPT	LEADS PER FIG.	CABLES PER FIG.	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQPT LOC	CABLE SHIELD	REMARKS
GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN	
1	H2		16	1	3129-0253	RNC LN A	PD8	RD OUT BAL 300	RNC 3B1, LN A		RD IN BAL 100	1	FORMED PER ED-3F064-37 GR14A. MAX LENGTH 50 FEET (SEE NOTE 56)
2	H2		16	1	3129-0253	RNC LN A	PD9	RD OUT BAL 313	RNC 3B1, LN A		RD IN BAL 113	1	FORMED PER ED-3F064-37 GR14B. MAX LENGTH 50 FEET (SEE NOTE 56)
3	H2		16	1	3129-0253	RNC LN A	PD10	R1 IN BAL 100	RNC 3B1, LN A		R1 OUT BAL 300	1	FORMED PER ED-3F064-37 GR14C. MAX LENGTH 50 FEET (SEE NOTE 56)
4	H2		16	1	3129-0253	RNC LN A	PD11	R1 IN BAL 113	RNC 3B1, LN A		R1 OUT BAL 313	1	FORMED PER ED-3F064-37 GR14D. MAX LENGTH 50 FEET (SEE NOTE 56)

TABLE G4 - CABLING (AUTOPLEX)													
ITEM	FIG.	OPT	LEADS PER FIG.	CABLES PER FIG.	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQPT LOC	CABLE SHIELD	REMARKS
GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN	
1	H13		12	1		RNC LN A	PD25		DATA FACILITIES (RS232)			3	FORMED PER ED-3F064-37, G16
3	H15		24	1		RNC LN A	PD27		DATA FACILITIES (RS449)			3	FORMED PER ED-3F064-37, G18
4	H2		16	1		RNC LN A	PD8	RD OUT BAL 300	RNC 3B1		RD IN BAL 100	1	FORMED PER ED-3F064-37 GR14A. MAX LENGTH 50 FEET (SEE NOTE 56)
5	H2		16	1		RNC LN A	PD9	RD OUT BAL 313	RNC 3B1		RD IN BAL 113	1	FORMED PER ED-3F064-37 GR14B. MAX LENGTH 50 FEET (SEE NOTE 56)
6	H2		16	1		RNC LN A	PD10	RD IN BAL 100	RNC 3B1		R1 OUT BAL 300	1	FORMED PER ED-3F064-37 GR14C. MAX LENGTH 50 FEET (SEE NOTE 56)
7	H2		16	1		RNC LN A	PD11	RD IN BAL 113	RNC 3B1		R1 OUT BAL 313	1	FORMED PER ED-3F064-37 GR14D. MAX LENGTH 50 FEET (SEE NOTE 56)

TABLE G5 - CABLING (V.35 PROTOCOL)													
ITEM	FIG.	OPT	LEADS PER FIG.	CABLES PER FIG.	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQPT LOC	CABLE SHIELD	REMARKS
GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN	
1	H14		11	1		RNC LN A	PD26		DATA FACILITIES (V.35)			3	FORMED PER ED-3F064-37, G17
2	H16		13	1		RNC LN A	PD30		DFA CAB.			3	FORMED PER ED-3F064-37, G25

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LINK NODE A CIRCUIT		DWG SIZE	ISSUE
		C2	12
AT&T	T*3F009-11	SHEET A3	

FIGURE AND/OR OPTION	FUNCT ASOC TYPE	DESIG NET	TYPE NET	CODE ASOC CODE NET OPT
04-058	CONTINUED			
010	ONG			
011	OB12			
012	ONG6			
013	ONG6			
014	ONG5			
015	ONG4			
016	QIRQ1			
018	QUARA			
019	QID0			
020	QID2			
021	QID4			
022	QID6			
023	QID8			
024	SA			
025	SA			
026	1RG13			
027	1D7R0			
028	1RG12			
029	1D5R0			
030	1RG10			
031	1D1R0			
032	1RG09			
033	1DTR0			
034	1RG07			
035	QIRFBT			
036	GRD			
037	GRG06			
038	GRG05			
039	GRG04			
040	GRG03			
041	GRG02			
042	GRG01			
043	GRG00			
044	SA			
045	QIR13			
046	QIR12			
047	QIR11			
048	QIR10			
049	QIR09			
050	QIR08			
051	QIR07			
052	QIR06			
053	QIR05			
054	QIR04			
055	QIR03			
056	QIR02			
057	QIR01			
058	QIR00			
059	SA			
060	QIR13			
061	QIR12			
062	QIR11			
063	QIR10			
064	QIR09			
065	QIR08			
066	QIR07			
067	QIR06			
068	QIR05			
069	QIR04			
070	QIR03			
071	QIR02			
072	QIR01			
073	QIR00			
074	SA			
075	QIR13			
076	QIR12			
077	QIR11			
078	QIR10			
079	QIR09			
080	QIR08			
081	QIR07			
082	QIR06			
083	QIR05			
084	QIR04			
085	QIR03			
086	QIR02			
087	QIR01			
088	QIR00			
089	SA			
090	QIR13			
091	QIR12			
092	QIR11			
093	QIR10			
094	QIR09			
095	QIR08			
096	QIR07			
097	QIR06			
098	QIR05			
099	QIR04			
100	QIR03			
101	QIR02			
102	QIR01			
103	QIR00			
104	SA			
105	QIR13			
106	QIR12			
107	QIR11			
108	QIR10			
109	QIR09			
110	QIR08			
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112	QIR06			
113	QIR05			
114	QIR04			
115	QIR03			
116	QIR02			
117	QIR01			
118	QIR00			
119	SA			
120	QIR13			
121	QIR12			
122	QIR11			
123	QIR10			
124	QIR09			
125	QIR08			
126	QIR07			
127	QIR06			
128	QIR05			
129	QIR04			
130	QIR03			
131	QIR02			
132	QIR01			
133	QIR00			
134	SA			
135	QIR13			
136	QIR12			
137	QIR11			
138	QIR10			
139	QIR09			
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142	QIR06			
143	QIR05			
144	QIR04			
145	QIR03			
146	QIR02			
147	QIR01			
148	QIR00			
149	SA			
150	QIR13			
151	QIR12			
152	QIR11			
153	QIR10			
154	QIR09			
155	QIR08			
156	QIR07			
157	QIR06			
158	QIR05			
159	QIR04			
160	QIR03			
161	QIR02			
162	QIR01			
163	QIR00			
164	SA			
165	QIR13			
166	QIR12			
167	QIR11			
168	QIR10			
169	QIR09			
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171	QIR07			
172	QIR06			
173	QIR05			
174	QIR04			
175	QIR03			
176	QIR02			
177	QIR01			
178	QIR00			
179	SA			
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183	QIR10			
184	QIR09			
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186	QIR07			
187	QIR06			
188	QIR05			
189	QIR04			
190	QIR03			
191	QIR02			
192	QIR01			
193	QIR00			
194	SA			
195	QIR13			
196	QIR12			
197	QIR11			
198	QIR10			
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204	QIR04			
205	QIR03			
206	QIR02			
207	QIR01			
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209	SA			
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218	QIR05			
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220	QIR03			
221	QIR02			
222	QIR01			
223	QIR00			
224	SA			
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226	QIR12			
227	QIR11			
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233	QIR05			
234	QIR04			
235	QIR03			
236	QIR02			
237	QIR01			
238	QIR00			
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262	QIR06			
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265	QIR03			
266	QIR02			
267	QIR01			
268	QIR00			
269	SA			
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276	QIR07			
277	QIR06			
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279	QIR04			
280	QIR03			
281	QIR02			
282	QIR01			
283	QIR00			
284	SA			
285	QIR13			
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287	QIR11			
288	QIR10			
289	QIR09			
290	QIR08			
291	QIR07			
292	QIR06			
293	QIR05			
294	QIR04			
295	QIR03			
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297	QIR01			
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309	QIR04			
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312	QIR01			
313	QIR00			
314	SA			
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321	QIR07			
322	QIR06			
323	QIR05			
324	QIR04			
325	QIR03			
326	QIR02			
327	QIR01			
328	QIR00			
329	SA			
330	QIR13			
331	QIR12			
332	QIR11			
333	QIR10			
334	QIR09			
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336	QIR07			
337	QIR06			
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340	QIR03			
341	QIR02			
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349	QIR09			
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353	QIR05			
354	QIR04			
355	QIR03			
356	QIR02			
357	QIR01			
358	QIR00			
359	SA			
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361	QIR12			
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364	QIR09			
365	QIR08			
366	QIR07			
367	QIR06			
368	QIR05			
369	QIR04			
370	QIR03			
371	QIR02			
372	QIR01			
373	QIR00			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	TYPE ASOC CODE	CODE NET OPT
CONTINUED				
04-076	156	5A		
200	GRDB			
201	DCPR2			
202	1A2			
203	1A6			
204	1A10			
205	1A14			
206	1A18			
207	1DP4			
208	1D2			
209	1D6			
210	1D10			
211	1D14			
212	1NG3			
213	1NG2			
214	1NG1			
215	1NG0			
216	1M10			
217	1EOP			
218	1DRQ0			
219	1DRQ1			
220	1DRQ2			
221	1DRQ3			
222	1STW			
223	GRDB			
224	GRDB			
225	GRDB			
226	GRDB			
227	GRDB			
228	GRDB			
229	GRDB			
230	GRDB			
231	GRDB			
232	GRDB			
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234	GRDB			
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255	GRDB			
256	GRDB			
300	GRDB			
301	1A0			
302	1A5			
303	1A7			
304	1A11			
305	1A15			
306	1A19			
307	1NG7			
308	1D3			
309	1D7			
310	1D11			
311	1D15			
312	1RD15			
313	1WAIT			
314	1RD			
315	1CCLK			
316	1RW			
317	1NPPF			
318	1DAK0			
319	1DAK1			
320	1DAK2			
321	1DAK3			
322	1RESET			
323	1SAME			
324	GRDB			
325	GRDB			
326	GRDB			
327	GRDB			
328	GRDB			
329	GRDB			
330	GRDB			
331	GRDB			
332	GRDB			
333	1MPN			
334	1D0			
335	1D01			
336	1D02			
337	1D03			
338	1D04			
339	1D05			
340	1D06			
341	1D07			
342	1D08			
343	1D09			
344	GRDB			
345	GRDB			
346	GRDB			
347	GRDB			
348	GRDB			
349	GRDB			
350	GRDB			
351	GRDB			
352	GRDB			
353	GRDB			
354	GRDB			
355	GRDB			
356	GRDB			
CONTINUED				

FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	TYPE ASOC CODE	CODE NET OPT
CONTINUED				
04-084	115	10CLK		
117	11RQ4			
119	1AINT1			
124	5A			
211	1D14			
212	1NG3			
213	1NG2			
214	1NG1			
215	1NG0			
216	1M10			
217	1EOP			
218	1DRQ1			
219	1DRQ2			
220	1DRQ3			
221	1STW			
222	GRDB			
223	GRDB			
224	GRDB			
225	GRDB			
226	GRDB			
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256	GRDB			
300	GRDB			
301	1A0			
302	1A5			
303	1A7			
304	1A11			
305	1A15			
306	1A19			
307	1NG7			
308	1D3			
309	1D7			
310	1D11			
311	1D15			
312	1RD15			
313	1WAIT			
314	1RD			
315	1CCLK			
316	1RW			
317	1NPPF			
318	1DAK0			
319	1DAK1			
320	1DAK2			
321	1DAK3			
322	1RESET			
323	1SAME			
324	GRDB			
325	GRDB			
326	GRDB			
327	GRDB			
328	GRDB			
329	GRDB			
330	GRDB			
331	GRDB			
332	GRDB			
333	1MPN			
334	1D0			
335	1D01			
336	1D02			
337	1D03			
338	1D04			
339	1D05			
340	1D06			
341	1D07			
342	1D08			
343	1D09			
344	GRDB			
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347	GRDB			
348	GRDB			
349	GRDB			
350	GRDB			
351	GRDB			
352	GRDB			
353	GRDB			
354	GRDB			
355	GRDB			
356	GRDB			
CONTINUED				

FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	TYPE ASOC CODE	CODE NET OPT
CONTINUED				
04-092	207	1DPH		
208	1D2			
209	1D6			
210	1D10			
211	1D14			
212	1NG3			
213	1NG2			
214	1NG1			
215	1NG0			
216	1M10			
217	1EOP			
218	1DRQ1			
219	1DRQ2			
220	1DRQ3			
221	1STW			
222	GRDB			
223	GRDB			
224	GRDB			
225	GRDB			
226	GRDB			
227	GRDB			
228	GRDB			
229	GRDB			
230	GRDB			
231	GRDB			
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253	GRDB			
254	GRDB			
255	GRDB			
256	GRDB			
300	GRDB			
301	1A0			
302	1A5			
303	1A7			
304	1A11			
305	1A15			
306	1A19			
307	1NG7			
308	1D3			
309	1D7			
310	1D11			
311	1D15			
312	1RD15			
313	1WAIT			
314	1RD			
315	1CCLK			
316	1RW			
317	1NPPF			
318	1DAK0			
319	1DAK1			
320	1DAK2			
321	1DAK3			
322	1RESET			
323	1SAME			
324	GRDB			
325	GRDB			
326	GRDB			
327	GRDB			
328	GRDB			
329	GRDB			
330	GRDB			
331	GRDB			
332	GRDB			
333	1MPN			
334	1D0			
335	1D01			
336	1D02			
337	1D03			
338	1D04			
339	1D05			
340	1D06			
341	1D07			
342	1D08			
343	1D09			
344	GRDB			
345	GRDB			
346	GRDB			
347	GRDB			
348	GRDB			
349	GRDB			
350	GRDB			
351	GRDB			
352	GRDB			
353	GRDB			
354	GRDB			
355	GRDB			
356	GRDB			
CONTINUED				

FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	TYPE ASOC CODE	CODE NET OPT
CONTINUED				
04-100	122	11D7		
123	11D9			
124	5B			
132	5B			
134	2DCR0			
135	2D4R0			
136	2D4R1			
137	2R011			
138	2D2R0			
139	2DPR0			
140	2DDR0			
141	2RG08			
142	2DAR0			
144	GRD			
147	1DCR1			
148	1D6R1			
149	1D4R1			
150	1RG04			
151	1D2R1			
152	1DPR1			
153	1DOR1			
154	1RG01			
155	1DAR1			
156	5B			
202	1A2			
203	1A6			
204	1A10			
205	1A14			
206	1A18			
207	1DPH			
208	1D2			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE	DESIG TYPE	TYPE ASOC CODE	CODE NET OPT
04-110	CONTINUED			
003	1A4			
004	1A8			
005	1A12			
006	1A16			
007	1BHE			
008	1D0			
009	1D4			
010	1D8			
011	1D12			
012	1NG8			
013	1NG6			
014	1NG5			
015	1NG4			
016	1IRQ1			
018	1QUARA			
019	1ID0			
020	1ID2			
021	1ID4			
022	1ID6			
023	1ID8			
024	5B			
032	5B			
044	GRD			
054	1DTR1			
055	1RG00			
056	5B			
102	1A1			
103	1A5			
104	1A9			
105	1A13			
106	1A17			
107	1DPL			
108	1D1			
109	1D5			
110	1D9			
111	1D13			
112	GRD			
113	1PEN			
114	1WR			
115	1DCLK			
116	1IRQ0			
119	1ID1			
120	1ID3			
121	1ID5			
122	1ID7			
123	1ID9			
124	5B			
132	5B			
144	GRD			
154	1RG01			
155	1DAR1			
156	5B			
202	1A2			
203	1A6			
204	1A10			
205	1A14			
206	1A18			
207	1DPH			
208	1D2			
209	1D6			
210	1D10			
211	1D14			
212	1NG5			
213	1NG2			
214	1NG1			
215	1NG0			
216	1M10			
217	1EOP			
218	1DRQ0			
219	1DR1			
220	1DR2			
221	1DR3			
222	1PEN			
223	1STW			
224	5B			
232	5B			
244	GRD			
246	2RG06			
247	2D7R1			
248	2RG05			
249	2D5R1			
250	2D3R1			
251	2RG03			
252	2D1R1			
253	2RG02			
254	2DTR1			
255	2RG00			
256	5B			
300	GRD			
301	1A0			
302	1A3			
303	1A7			
304	1A11			
305	1A15			
306	1A19			
307	1NG7			
308	1D3			
309	1D7			
310	1D11			
311	1D15			
312	1D19			
313	1WAIT			
314	1RD			
315	1CCLK			
316	1RW			
317	1NPPF			
318	1DAK0			
319	1DAK1			
320	1DAK2			
321	1DAK3			
322	1RESET			
323	1SANE			
324	GRD			
332	GRD			
343	GRD			
344	GRD			
04-110	CONTINUED			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE	DESIG TYPE	TYPE ASOC CODE	CODE NET OPT
04-110	CONTINUED			
345	2A5			
347	2DCR1			
348	2D6R1			
349	2D4R1			
350	2RG04			
351	2D2R1			
352	2DPR1			
353	2DOR1			
354	2RG01			
355	2DAR1			
356	GRD			
400	GRD			
401	1SP1			
402	1CLRERR0			
403	1CBLK0			
404	1PWRT0			
405	1IRACT0			
406	1SP2			
407	1RD1P0			
408	1QUAR			
409	1RACRST0			
410	1FREAR0			
411	1NPRESET			
412	1DT0D1			
413	1SP4			
414	GRD			
415	1BLKDS1			
416	1BLKD1			
417	1FPROP0			
418	1BLKT00			
419	GRD			
420	1INCRBY1			
421	1SMIB			
422	1RDFULL			
423	1NCR0Y0			
424	GRD			
432	GRD			
435	1WREMPY			
434	1DTIRO			
435	1SP3			
436	1RD1HBIT0			
437	1UNCK0			
438	1TUR00			
439	1RDT00			
440	1DTIR1			
441	1PWRESET			
442	1SIS0L0			
443	1CIS0L0			
444	1SQUAR0			
445	1D1L4			
446	1D1L3			
447	GRD			
448	1D1L2			
449	1D1L1			
450	1D1L0			
451	1D0C1			
452	1D0P1			
453	1D0T1			
454	1D0G1			
455	1D0S1			
456	GRD			
500	GRD			
501	GRD			
502	1CPR1			
503	1CPR2			
504	1TWRT0			
505	1INACT1			
506	1TOKDAD			
507	1R0IP1			
509	1TP1			
510	1IHBIT0			
511	1DAOR1			
512	1DAOP1			
513	1RDT1			
514	1PRACRST			
515	1RRST1			
516	1RACRST1			
517	1DMARDTQ			
518	1DMFQAR1			
519	1ISDLB			
520	1CRDY1			
521	1SBCASTB			
522	1DAIDB			
523	1CRDY0			
524	GRD			
532	GRD			
533	1D1D1			
534	1DAGRO			
535	1WRABEN0			
536	1RNGEMND			
537	1RINGSMD			
538	1PWROU			
539	1WRSMEHR			
540	1CIERR0			
541	1ORPHBYT			
542	1TDOOHR			
543	1BLK0			
544	1PTYERR0			
545	1CLRQUAR			
546	1D1LP			
547	1D1L7			
548	1D1L6			
549	1D1L5			
550	GRD			
551	1D0A1			
552	1D0A2			
553	1D0A3			
554	1D0A4			
555	1D0A5			
556	GRD			
04-118	E/W CP	TF	CDCP-461A	963C
000	5B			
001	5B			
002	1CPR1			
003	2A4			
004	2A8			
005	2A12			
006	2A16			
007	2BHE			
008	2D0			
009	2D4			
010	2D8			
011	2D12			
012	2NG8			
013	2NG6			
014	2NG5			
015	2NG4			
016	2NG4			
017	2IRQ1			
018	2IRQ3			
019	2IRQ5			
020	2QUARA			
021	2XRST0			
022	2XRST1			
024	5B			
032	5B			
044	GRDB			
056	5B			
102	2A1			
103	2A5			
104	2A9			
105	2A13			
106	2A17			
107	2DPL			
108	2D1			
109	2D5			
110	2D9			
111	2D13			
112	GRDB			
113	2PEN			
114	2WR			
115	2DCLK			
116	2A5			
117	2IRQ2			
118	2IRQ4			
119	2XINT0			
124	5B			
125	5B			
126	2D1			
127	2D5			
128	2D9			
129	2D13			
130	GRDB			
131	2PEN			
132	2WR			
133	2DCLK			
134	2A5			
135	2IRQ2			
136	2IRQ4			
137	2XINT0			
138	5B			
139	2D1			
140	2D5			
141	2D9			
142	2D13			
143	GRDB			
144	2PEN			
145	2WR			
146	2DCLK			
147	2A5			
148	2IRQ2			
149	2IRQ4			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE ASOC CODE NET OPT	DESIG	TYPE	CODE
04-142	CONTINUED			
005	2A12			
006	2A16			
007	2BHE			
008	201			
009	204			
010	208			
011	2012			
012	2NG8			
013	2NG6			
014	2NG5			
015	2NG4			
016	2IRQ1			
018	2QUARA			
019	2100			
020	2102			
021	2104			
022	2106			
023	2108			
024	5B			
025	5B			
033	3RG13			
034	3D7R0			
035	3RG12			
036	3D5R0			
037	3D3R0			
038	3RG10			
039	3D1R0			
040	3RG09			
041	3DTR0			
042	3RG07			
044	GRD			
045	11IFBI			
046	2RG06			
047	2D7R1			
048	2RG05			
049	2D5R1			
050	2D3R1			
051	2RG03			
052	2DTR1			
053	2RG02			
054	2DTR1			
054	2DTR1			
055	2RG00			
055	2RG00			
056	5B			
102	2A1			
103	2A5			
104	2A9			
105	2A13			
106	2A17			
107	2DPL			
108	201			
109	205			
110	209			
111	2015			
112	GRD			
113	2PEN			
114	2WR			
115	20CLK			
116	2IRQ0			
119	2101			
120	2103			
121	2105			
122	2107			
123	2109			
124	5B			
132	5B			
133	5P1			
134	3DCR0			
135	3D6R0			
136	3D4R0			
137	3RG11			
138	3D2R0			
139	3DPR0			
140	3DOR0			
141	3RG08			
142	3DAR0			
144	GRD			
145	1P1FBO			
146	1IMRO			
147	2DCR1			
148	2D6R1			
149	2DAR1			
150	2RG04			
151	2D2R1			
152	2DPR1			
153	2DOR1			
154	2RG01			
154	2RG01			
155	2DAR1			
155	2DAR1			
156	5B			
202	2A2			
203	2A6			
204	2A10			
205	2A14			
206	2A18			
207	2DPR1			
208	202			
209	206			
210	2010			
211	2014			
212	2NG3			
213	2NG2			
214	2NG1			
215	2NG0			
216	2M10			
217	2EOP			
218	2DRQ0			
219	2DRQ1			
220	2DRQ2			
221	2DRQ3			
222	2DPR1			
223	2STW			
224	5B			
232	5B			
04-142	CONTINUED			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE ASOC CODE NET OPT	DESIG	TYPE	CODE
04-142	CONTINUED			
233	2RG13			
234	2D7R0			
235	2RG12			
236	2D5R0			
237	2D3R0			
238	2RG10			
239	2D1R0			
240	2RG09			
241	2DTR0			
242	2RG07			
244	GRD			
245	11PRES			
246	3RG06			
246	3RG06			
247	3D7R1			
247	3D7R1			
248	3RG05			
248	3RG05			
249	3D5R1			
249	3D5R1			
250	3D3R1			
250	3D3R1			
251	3RG03			
251	3RG03			
252	3D1R1			
252	3D1R1			
253	3RG02			
253	3RG02			
254	3DTR1			
254	3DTR1			
255	3RG00			
255	3RG00			
256	5B			
300	GRD			
301	2A0			
302	2A3			
303	2A7			
304	2A11			
305	2A15			
306	2A19			
307	2NG7			
308	2D3			
309	2D7			
310	2D15			
311	2D15			
312	2D15			
313	2WAIT			
314	2R0			
315	2CLK			
316	2RW			
317	2NPPF			
318	2DAK0			
319	2DAK1			
320	2DAK2			
321	2DAK3			
322	2RESET			
323	2SANE			
324	GRD			
324	GRD			
325	2DCR0			
325	2DCR0			
326	2D6R0			
326	2D6R0			
327	2D4R0			
327	2D4R0			
328	2D2R0			
328	2D2R0			
329	2DPR0			
329	2DPR0			
330	2DOR0			
330	2DOR0			
331	2RG08			
331	2DAR0			
332	2C1			
332	2C1			
333	GRD			
334	3D2R1			
334	3D2R1			
335	3DPR1			
335	3DPR1			
336	3DOR1			
336	3DOR1			
337	2RG11			
337	2RG11			
338	2D2R0			
339	2DPR0			
340	2DOR0			
341	2RG08			
342	2DAR0			
343	2C1			
344	GRD			
345	2C0			
345	2C0			
346	1PRST1			
347	3DCR1			
347	3DCR1			
348	3DOR1			
348	3DOR1			
349	3DAR1			
349	3DAR1			
350	3RG04			
350	3RG04			
351	3D2R1			
351	3D2R1			
352	3DPR1			
352	3DPR1			
353	3DOR1			
353	3DOR1			
354	3RG01			
354	3RG01			
355	3DAR1			
355	3DAR1			
356	GRD			
400	GRD			
401	2SP1			
402	2CLRERR0			
403	2CLBK0			
404	2PWRT0			
405	2INACT0			
406	2SP2			
407	2DTR0			
408	2QUAR			
409	2RACRST0			
410	2FREAR0			
411	2NPRESET			
412	2DTR0			
413	2SP4			
414	GRD			
415	2BLKDS1			
416	2BLKDS1			
417	2FFPROP0			
418	2BLKTO0			
419	GRD			
420	2NCRDY1			
421	2NCRDY1			
422	2NCRDY1			
423	2NCRDY0			
424	GRD			
04-142	CONTINUED			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE ASOC CODE NET OPT	DESIG	TYPE	CODE
04-142	CONTINUED			
432	2RG13			
433	2D7R0			
434	2D5R0			
435	2D3R0			
436	2D1R0			
437	2RG10			
438	2DTR0			
439	2DTR0			
440	2DTR1			
441	2DTR1			
442	2PWRESET			
443	2SISOLO			
444	2CISOLO			
445	2SQUAR0			
446	2DIL4			
447	2DIL3			
448	GRD			
449	2DIL2			
450	2DIL1			
451	2DIL0			
452	2D0C1			
453	2D0P1			
454	2D071			
455	2D061			
456	2D051			
457	GRD			
500	GRD			
501	GRD			
502	1CPR1			
503	3DTR1			
504	1CPR2			
505	2TWRT0			
506	2INACT1			
507	2TOKDAO			
508	2DIP1			
509	2DIP1			
510	2INACT0			
511	2DOR1			
512	2DOR1			
513	2DOR2			
514	2DOR3			
515	2DOR4			
516	2DOR5			
517	2DOR6			
518	2DOR7			
519	2DOR8			
520	2DOR9			
521	2DOR10			
522	2DOR11			
523	2DOR12			
524	2DOR13			
525	2DOR14			
526	2DOR15			
527	2DOR16			
528	2DOR17			
529	2DOR18			
530	2DOR19			
531	2DOR20			
532	2DOR21			
533	2DOR22			
534	2DOR23			
535	2DOR24			
536	2DOR25			
537	2DOR26			
538	2DOR27			
539	2DOR28			
540	2DOR29			
541	2DOR30			
542	2DOR31			
543	2DOR32			
544	2DOR33			
545	2DOR34			
546	2DOR35			
547	2DOR36			
548	2DOR37			
549	2DOR38			
550	2DOR39			
551	2DOR40			
552	2DOR41			
553	2DOR42			
554	2DOR43			
555	2DOR44			
556	2DOR45			
04-152	CONTINUED			

FIGURE AND/OR OPTION	FUNCT ASOC TYPE ASOC CODE NET OPT	DESIG	TYPE	CODE
04-152	CONTINUED			
112	GRD			
113	2PEN			
114	2WR			
115	20CLK			
116	2IRQ0			
119	2101			
120	2103			
121	2105			

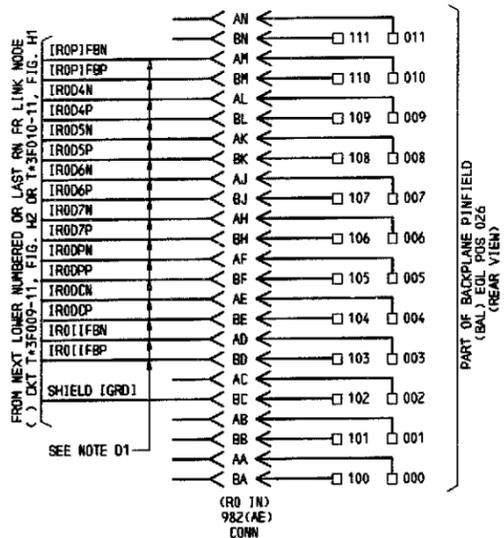
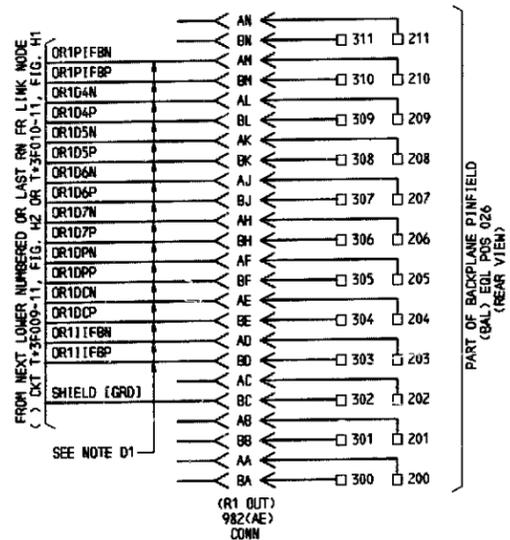
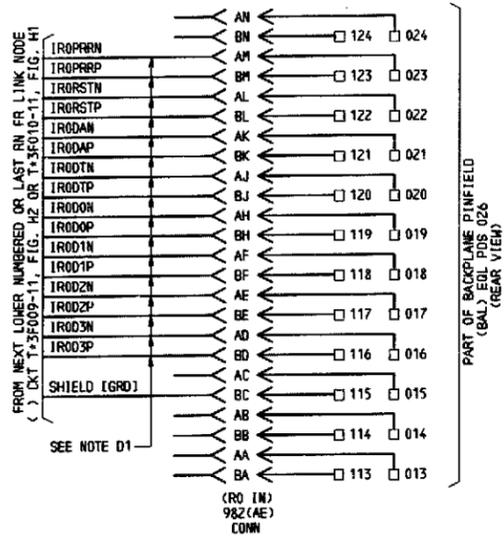
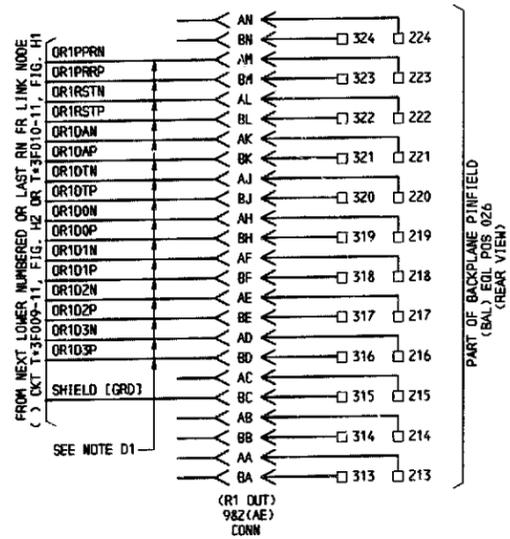
FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	NET NET OPT	FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	NET NET OPT	FIGURE AND/OR OPTION	FUNCT ASOC TYPE CODE	DESIG TYPE ASOC CODE	NET NET OPT
04-162		CONTINUED		04-178		CONTINUED		04-178		CONTINUED	
053	3RG02			042	GRDA			355	SB		
054	3DTR1			043	GRDA			356	SB		
055	3RG00			045	SB						
056	SB			046	SB						
101	GRDD			047	SB						
102	GRDD			048	SB						
112	GRDD			049	SB						
114	GRDD			050	SB						
115	GRDD			051	SB						
124	SB			052	SB						
132	SB			053	SB						
134	3DCR1			054	SB						
135	3D6R1			055	SB						
136	3D4R1			056	SB						
137	3RG04			100	GRDA						
138	3D2R1			101	GRDA						
139	3DPR1			102	48RTNB						
140	3DOR1			103	48RTNB						
141	3RG01			104	48RTNB						
142	3DAR1			106	-48B						
143	1PIFB0			107	-48B						
144	GRDD			108	-48B						
145	1IMR0			110	1RS						
147	3DCR1			113	48RTNB						
148	3D6R1			117	1CPR2						
149	3D4R1			118	SB						
150	3RG04			118	SB						
151	3D2R1			119	GRDA						
152	3DPR1			132	GRDA						
153	3DOR1			132	GRDA						
154	3RG01			133	GRDA						
155	3DAR1			134	GRDA						
156	SB			135	GRDA						
200	GRDD			136	GRDA						
201	1CPR2			137	GRDA						
212	GRDD			138	GRDA						
224	GRDD			139	GRDA						
232	GRDD			140	GRDA						
233	3RG13			141	GRDA						
234	3D7R0			142	GRDA						
235	3RG12			143	GRDA						
236	3D5R0			145	SB						
237	3D3R0			145	SB						
238	3RG10			146	SB						
239	3D1R0			147	SB						
240	3RG09			148	SB						
241	3DTR0			149	SB						
242	3RG07			150	SB						
243	11PRE3			151	SB						
244	GRDD			152	SB						
246	3RG13			153	SB						
247	3D7R0			154	SB						
248	3RG12			155	SB						
249	3D5R0			156	SB						
250	3D3R0			200	GRDA						
251	3RG10			201	GRDA						
252	3D1R0			205	48RTNB						
253	3RG09			204	48RTNB						
254	3DTR0			205	48RTNB						
255	3RG07			206	-48B						
256	GRDD			207	-48B						
300	GRDD			208	-48B						
301	GRDD			232	GRDA						
302	GRDD			233	GRDA						
312	GRDD			234	GRDA						
314	GRDD			235	GRDA						
315	GRDD			236	GRDA						
324	GRDD			237	GRDA						
332	GRDD			238	GRDA						
333	SP1			239	GRDA						
334	3DCR0			240	GRDA						
335	3D6R0			241	GRDA						
336	3D4R0			242	GRDA						
337	3RG11			243	GRDA						
338	3D2R0			245	SB						
339	3DPR0			246	SB						
340	3DOR0			247	SB						
341	3RG08			248	SB						
342	3DAR0			249	SB						
344	GRDD			250	SB						
347	3DCR0			251	SB						
348	3D6R0			252	SB						
349	3D4R0			253	SB						
350	3RG11			254	SB						
351	3D2R0			255	SB						
352	3DPR0			256	SB						
353	3DOR0			300	GRDA						
354	3RG08			301	GRDA						
355	3DAR0			302	48RTNB						
356	GRDD			303	48RTNB						
356	GRDD			304	48RTNB						
356	GRDD			306	-48B						
356	GRDD			307	-48B						
356	GRDD			308	-48B						
1	04-178	TF	CCCP-461A	332	GRDA						
	E/W CP	963C		333	GRDA						
	000	GRDA		334	GRDA						
	001	GRDA		335	GRDA						
	003	48RTNB		335	GRDA						
	004	48RTNB		336	GRDA						
	005	48RTNB		337	GRDA						
	006	-48B		338	GRDA						
	007	-48B		339	GRDA						
	008	-48B		340	GRDA						
	011	1RS		341	GRDA						
	017	1CPR1		342	GRDA						
	018	1SA		343	GRDA						
	019	1SA		343	GRDD						
	032	GRDA		345	SB						
	033	GRDA		346	SB						
	034	GRDA		347	SB						
	035	GRDA		348	SB						
	036	GRDA		349	SB						
	037	GRDA		350	SB						
	038	GRDA		351	SB						
	039	GRDA		352	SB						
	040	GRDA		353	SB						
	041	GRDA		354	SB						
04-178		CONTINUED		04-178		CONTINUED					

NET ID NET OPT COMMON NET										NET ID NET OPT COMMON NET										NET ID NET OPT COMMON NET										NET ID NET OPT COMMON NET																					
TYPE	FUNCT	DESIG	TERMINAL PAIR	METH	COLOR	GA	INSUL	AP	OPTION	PT	FN	TN	TYPE	FUNCT	DESIG	TERMINAL PAIR	METH	COLOR	GA	INSUL	AP	OPTION	PT	FN	TN	TYPE	FUNCT	DESIG	TERMINAL PAIR	METH	COLOR	GA	INSUL	AP	OPTION	PT	FN	TN	TYPE	FUNCT	DESIG	TERMINAL PAIR	METH	COLOR	GA	INSUL	AP	OPTION	PT	FN	TN
1CBLKD				(SIGNAL)									1DAR1				CONTINUED									1DPR1				(SIGNAL)									1D13				(SIGNAL)								
TF 04-100	403			D4	G				30NOTE 11 4A				TF 04-100	155			D4	G				30NOTE 11 4A				TF 04-100	152			D4	G				NOTE 49				TF 04-110	111			PW					NOTE 49			
TF 04-110	403												TF 04-110	155												TF 04-058	352								30NOTE 11 4A				TF 04-100	111			PW					NOTE 49			
1CCLK				(SIGNAL)									1DCLK				(SIGNAL)									10EQMR1				(SIGNAL)									TF 04-092	111			PW					NOTE 49			
TF 04-110	315			PW					NOTE 49				TF 04-110	115			PW					NOTE 49				TF 04-110	518			D4	G				30NOTE 11 4A				TF 04-084	111			PW					NOTE 49			
TF 04-100	315			PW					NOTE 49				TF 04-100	115			PW					NOTE 49				TF 04-100	518												TF 04-076	111			PW					NOTE 49			
TF 04-084	315			PW					NOTE 49				TF 04-092	115			PW					NOTE 49				10R00				(SIGNAL)									TF 04-084	315			PW					NOTE 49			
TF 04-076	315			PW					NOTE 49				TF 04-076	115			PW					NOTE 49				TF 04-110	218			PW					NOTE 49				TF 04-110	211			PW					NOTE 49			
1CT				(SIGNAL)									1DCRD				(SIGNAL)									TF 04-100	218			PW					NOTE 49				TF 04-100	211			PW					NOTE 49			
TF 04-110	343			D4	G				30NOTE 11 4A				TF 04-100	334			PW					NOTE 49				TF 04-092	218			PW					NOTE 49				TF 04-092	211			PW					NOTE 49			
TF 04-100	343												TF 04-058	134												TF 04-084	218			PW					NOTE 49				TF 04-076	211			PW					NOTE 49			
1CIERRD				(SIGNAL)									1DCR1				(SIGNAL)									10RR1				(SIGNAL)									TF 04-110	311			PW					NOTE 49			
TF 04-110	540			D4	G				30NOTE 11 4A				TF 04-10L	147			PW					NOTE 49				TF 04-110	311			PW					NOTE 49				TF 04-100	311			PW					NOTE 49			
TF 04-100	540												TF 04-058	347			D4	G				30NOTE 11 4A				TF 04-092	311			PW					NOTE 49				TF 04-084	311			PW					NOTE 49			
1ISOLO				(SIGNAL)									TF 04-068	347												TF 04-076	219			PW					NOTE 49				TF 04-076	311			PW					NOTE 49			
TF 04-110	443			D4	G				30NOTE 11 4A				TF 04-110	546			(SIGNAL)									TF 04-110	219			PW					NOTE 49				TF 04-084	311			PW					NOTE 49			
TF 04-100	443												TF 04-100	546			D4	G				30NOTE 11 4A				TF 04-084	219			PW					NOTE 49				TF 04-076	311			PW					NOTE 49			
1CLERRD				(SIGNAL)									10ILP				(SIGNAL)									1DRR2				(SIGNAL)									TF 04-110	208			PW					NOTE 49			
TF 04-100	402			D4	G				30NOTE 11 4A				TF 04-110	450			(SIGNAL)									TF 04-110	208			PW					NOTE 49				TF 04-100	208			PW					NOTE 49			
TF 04-110	402												TF 04-100	450			D4	G				30NOTE 11 4A				TF 04-092	208			PW					NOTE 49				TF 04-084	208			PW					NOTE 49			
1CLRHAR				(SIGNAL)									10IL1				(SIGNAL)									TF 04-110	220			PW					NOTE 49				TF 04-076	208			PW					NOTE 49			
TF 04-110	545			D4	G				30NOTE 11 4A				TF 04-110	449			(SIGNAL)									TF 04-110	220			PW					NOTE 49				TF 04-076	208			PW					NOTE 49			
TF 04-100	545												TF 04-100	449			D4	G				30NOTE 11 4A				TF 04-084	220			PW					NOTE 49				TF 04-076	208			PW					NOTE 49			
1CPR1				(SIGNAL)									10IL2				(SIGNAL)									1DRR3				(SIGNAL)									TF 04-110	338			(SIGNAL)					NOTE 49			
TF 04-134	002			PW					NOTE 49				TF 04-110	448			(SIGNAL)									TF 04-110	338			PW					NOTE 49				TF 04-058	138											
TF 04-162	002			PW					NOTE 49				TF 04-100	448			D4	G				30NOTE 11 4A				TF 04-100	138												TF 04-058	138											
TF 04-118	002			PW					NOTE 49				TF 04-100	448												TF 04-092	138												TF 04-058	138											
TF 04-100	302			PW					NOTE 49				TF 04-100	448												TF 04-084	138												TF 04-058	138											
TF 04-178	017			PW					NOTE 49				TF 04-110	446			(SIGNAL)									TF 04-110	351			(SIGNAL)									TF 04-058	138											
TF 04-142	502			PW					NOTE 49				TF 04-100	446			D4	G				30NOTE 11 4A				TF 04-084	351												TF 04-058	138											
TF 04-110	502			PW					NOTE 49				TF 04-100	446												TF 04-076	351												TF 04-058	138											
TF 04-152	502			PW					NOTE 49				TF 04-110	445			(SIGNAL)									TF 04-110	308			(SIGNAL)									TF 04-058	138											
TF 04-126	002			PW					NOTE 49				TF 04-100	445			D4	G				30NOTE 11 4A				TF 04-100	308			PW					NOTE 49				TF 04-058	138											
1CPR2				(SIGNAL)									TF 04-110	445												TF 04-110	308			PW					NOTE 49				TF 04-058	138											
TF 04-178	117			PW					NOTE 49				TF 04-100	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-162	201			PW					NOTE 49				TF 04-110	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-152	303			PW					NOTE 49				TF 04-100	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-142	503			PW					NOTE 49				TF 04-110	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-134	201			PW					NOTE 49				TF 04-100	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-126	201			PW					NOTE 49				TF 04-110	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-118	201			PW					NOTE 49				TF 04-100	445												TF 04-100	308			PW					NOTE 49				TF 04-058	138											
TF 04-110	303			PW					NOTE 49				TF 04-110	445												TF 04-100	308			PW																					

NET ID NET OPT COMMON NET										NET ID NET OPT COMMON NET										NET ID NET OPT COMMON NET										NET ID NET OPT COMMON NET																	
TYPE	FNCT	DESIG	TERMINAL PAIR	METH COLOR PATH	GA	INSUL	AP	OPTION	PT	FN	TN	TYPE	FNCT	DESIG	TERMINAL PAIR	METH COLOR PATH	GA	INSUL	AP	OPTION	PT	FN	TN	TYPE	FNCT	DESIG	TERMINAL PAIR	METH COLOR PATH	GA	INSUL	AP	OPTION	PT	FN	TN	TYPE	FNCT	DESIG	TERMINAL PAIR	METH COLOR PATH	GA	INSUL	AP	OPTION	PT	FN	TN
CONTINUED										(GROUND)										(SIGNAL)										(SIGNAL)																	
2NPPF	TF	04-118	317									2RG02	TF	04-142	053									2TOKDAD	TF	04-152	506								30DR0	TF	04-162	353									
2NPRESET	TF	04-152	411	(SIGNAL)	D4	G						2RG03	TF	04-142	051									2TDOOHR	TF	04-152	542	(SIGNAL)	D4	G					30DR1	TF	04-162	353									
2ORPHBYT	TF	04-152	541	(SIGNAL)	D4	G						2RG04	TF	04-142	150									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR18	TF	04-162	252	(SIGNAL)	D4	G						
2PEN	TF	04-152	113	(SIGNAL)	PW							2RG05	TF	04-142	048									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR19	TF	04-162	239	(SIGNAL)	D4	G						
2PRACRST	TF	04-152	514	(SIGNAL)	D4	G						2RG06	TF	04-142	046									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR20	TF	04-162	351	(SIGNAL)	D4	G						
2PTYERRO	TF	04-152	544	(SIGNAL)	D4	G						2RG07	TF	04-142	046									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR21	TF	04-162	351	(SIGNAL)	D4	G						
2PWRESET	TF	04-152	441	(SIGNAL)	D4	G						2RG08	TF	04-142	341									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR22	TF	04-162	351	(SIGNAL)	D4	G						
2PWROD	TF	04-152	538	(SIGNAL)	D4	G						2RG09	TF	04-142	240									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR23	TF	04-162	351	(SIGNAL)	D4	G						
2PWRT0	TF	04-142	404	(SIGNAL)	D4	G						2RG10	TF	04-142	238									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR24	TF	04-162	351	(SIGNAL)	D4	G						
2QUAR	TF	04-142	408	(SIGNAL)	D4	G						2RG11	TF	04-142	337									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR25	TF	04-162	351	(SIGNAL)	D4	G						
2QUARA	TF	04-118	020	(SIGNAL)	D4	G						2RG12	TF	04-142	235									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR26	TF	04-162	351	(SIGNAL)	D4	G						
2RACRST0	TF	04-152	409	(SIGNAL)	D4	G						2RG13	TF	04-142	233									2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR27	TF	04-162	351	(SIGNAL)	D4	G						
2RACRST1	TF	04-152	516	(SIGNAL)	D4	G						2RINGSMD	TF	04-152	537	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR28	TF	04-162	351	(SIGNAL)	D4	G						
2R0	TF	04-152	314	(SIGNAL)	PW							2RNGCMD	TF	04-152	536	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR29	TF	04-162	351	(SIGNAL)	D4	G						
2RDFULL	TF	04-152	422	(SIGNAL)	D4	G						2RRSTS1	TF	04-152	515	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR30	TF	04-162	351	(SIGNAL)	D4	G						
2RDHBT0	TF	04-152	436	(SIGNAL)	D4	G						2RW	TF	04-152	316	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR31	TF	04-162	351	(SIGNAL)	D4	G						
2RDIP0	TF	04-152	407	(SIGNAL)	D4	G						2SANE	TF	04-152	323	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR32	TF	04-162	351	(SIGNAL)	D4	G						
2RDIP1	TF	04-152	507	(SIGNAL)	D4	G						2SBCASTB	TF	04-142	521	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR33	TF	04-162	351	(SIGNAL)	D4	G						
2RDT5	TF	04-152	312	(SIGNAL)	PW							2SISOLD	TF	04-152	442	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR34	TF	04-162	351	(SIGNAL)	D4	G						
2RDT6	TF	04-152	312	(SIGNAL)	PW							2SMIB	TF	04-152	421	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR35	TF	04-162	351	(SIGNAL)	D4	G						
2RDT7	TF	04-152	312	(SIGNAL)	PW							2SP1	TF	04-142	401	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR36	TF	04-162	351	(SIGNAL)	D4	G						
2RDT8	TF	04-152	312	(SIGNAL)	PW							2SP2	TF	04-152	406	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR37	TF	04-162	351	(SIGNAL)	D4	G						
2RDT9	TF	04-152	312	(SIGNAL)	PW							2SP3	TF	04-152	435	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR38	TF	04-162	351	(SIGNAL)	D4	G						
2RDT10	TF	04-152	312	(SIGNAL)	PW							2SP4	TF	04-152	413	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR39	TF	04-162	351	(SIGNAL)	D4	G						
2RDT11	TF	04-152	312	(SIGNAL)	PW							2SQUARO	TF	04-152	444	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR40	TF	04-162	351	(SIGNAL)	D4	G						
2RDT12	TF	04-152	312	(SIGNAL)	PW							2STV	TF	04-152	223	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR41	TF	04-162	351	(SIGNAL)	D4	G						
2RDT13	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR42	TF	04-162	351	(SIGNAL)	D4	G						
2RDT14	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR43	TF	04-162	351	(SIGNAL)	D4	G						
2RDT15	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR44	TF	04-162	351	(SIGNAL)	D4	G						
2RDT16	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR45	TF	04-162	351	(SIGNAL)	D4	G						
2RDT17	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR46	TF	04-162	351	(SIGNAL)	D4	G						
2RDT18	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR47	TF	04-162	351	(SIGNAL)	D4	G						
2RDT19	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR48	TF	04-162	351	(SIGNAL)	D4	G						
2RDT20	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR49	TF	04-162	351	(SIGNAL)	D4	G						
2RDT21	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR50	TF	04-162	351	(SIGNAL)	D4	G						
2RDT22	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR51	TF	04-162	351	(SIGNAL)	D4	G						
2RDT23	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR52	TF	04-162	351	(SIGNAL)	D4	G						
2RDT24	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR53	TF	04-162	351	(SIGNAL)	D4	G						
2RDT25	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR54	TF	04-162	351	(SIGNAL)	D4	G						
2RDT26	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR55	TF	04-162	351	(SIGNAL)	D4	G						
2RDT27	TF	04-152	312	(SIGNAL)	PW							2TWR00	TF	04-152	438	(SIGNAL)	D4	G						2TWR00	TF	04-152	438	(SIGNAL)	D4	G					30DR56	TF	04-162	351	(SIGNAL								

FIG. H1

BALANCED RING BUS CABLING
(GROWTH)
(FRAME TO FRAME,
INTRA FR./CAB.)
OR
CAB. TO CAB.)



SHIP	
INST	
X	X

MANUFACTURING NOTES

D1. THE FIRST LETTER IN EACH LEAD DESIGNATION IS EITHER A "O" FOR OUTPUT OR "I" FOR INPUT. OUTPUT LEADS FROM THIS CIRCUIT WILL CONNECT AS INPUT LEADS OF CONNECTING CIRCUIT. LIKEWISE, INPUT LEADS FROM THIS CIRCUIT WILL CONNECT AS OUTPUT LEADS OF CONNECTING CIRCUIT.

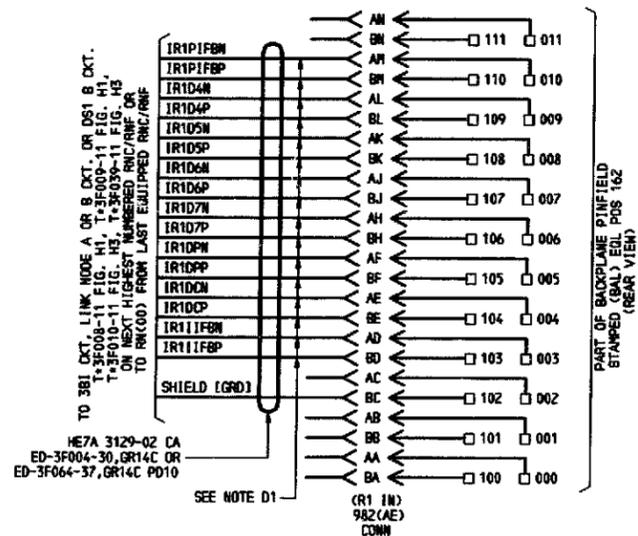
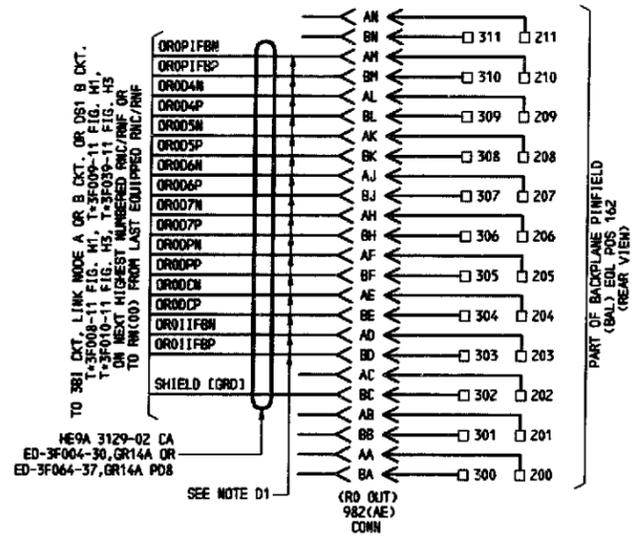
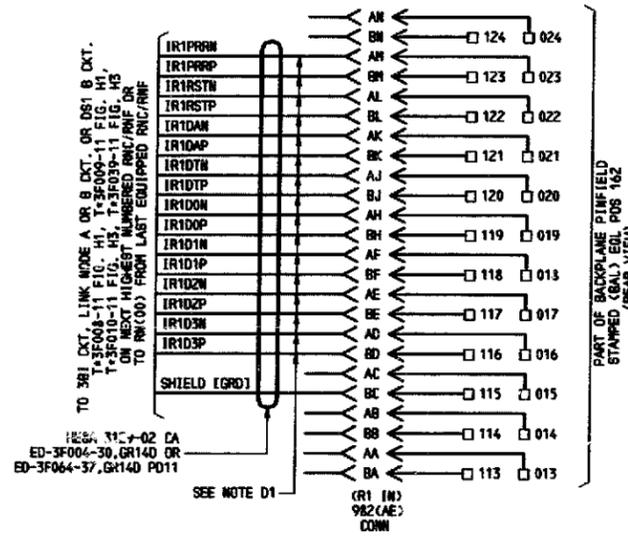
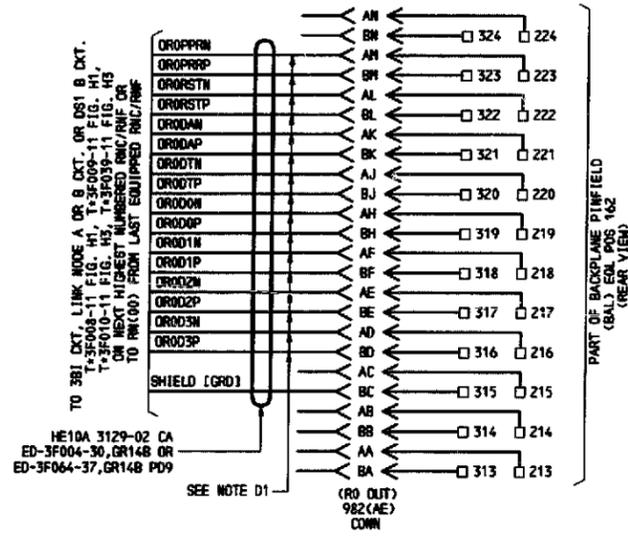
SHEET	SH NO.	D1	D2	D3	D4	D5	D6	D7	D8
INDEX	ISSUE	12	10	7	9	7	9	9	12

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LINK NODE A CIRCUIT		DWG SIZE	ISSUE
		C2	12
AT&T	T*3F009-11	SHEET D1	

FIG. H2

(BALANCED RING BUS)
(FR TO FR,
CAB. TO CAB.
OR
INTRA FR/CAB.)



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LINK NODE A CIRCUIT		DWG SIZE	ISSUE
		C2	10
AT&T	CB	T*3F009-11	SHEET 02

SHOP
INSTR

MANUFACTURING NOTES

FIG. H3

UNBALANCED RING BUS CABLING

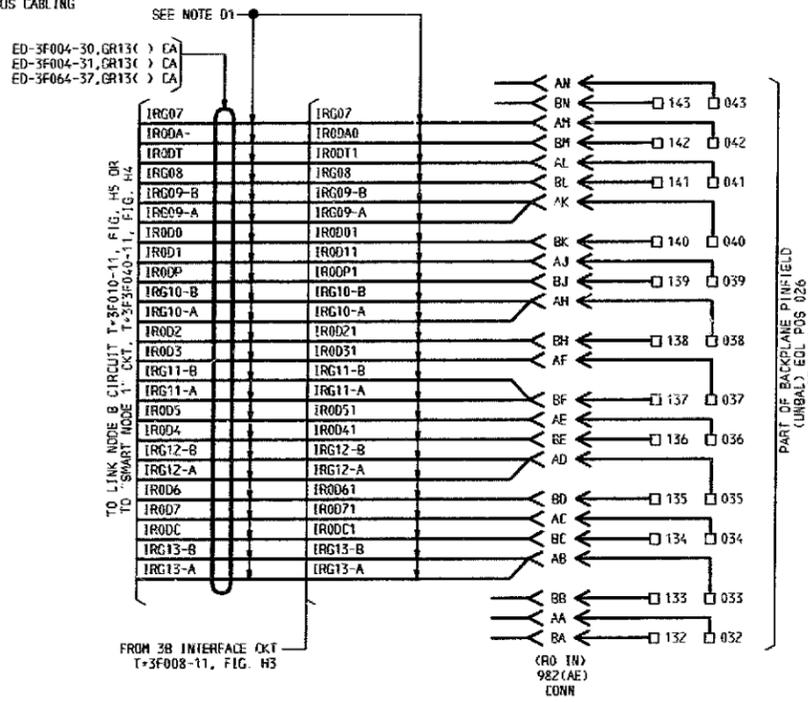
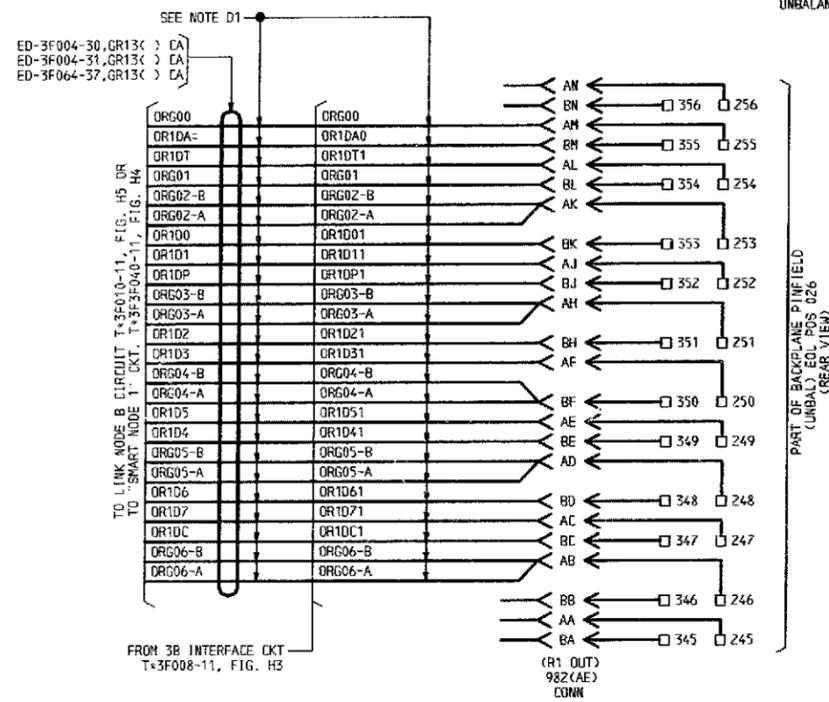
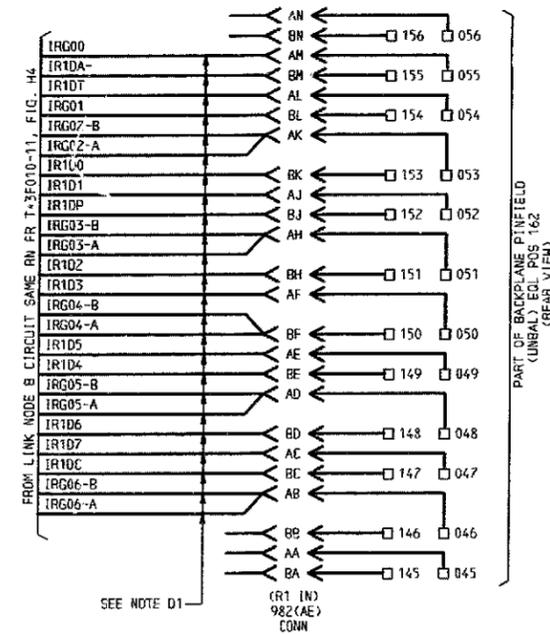
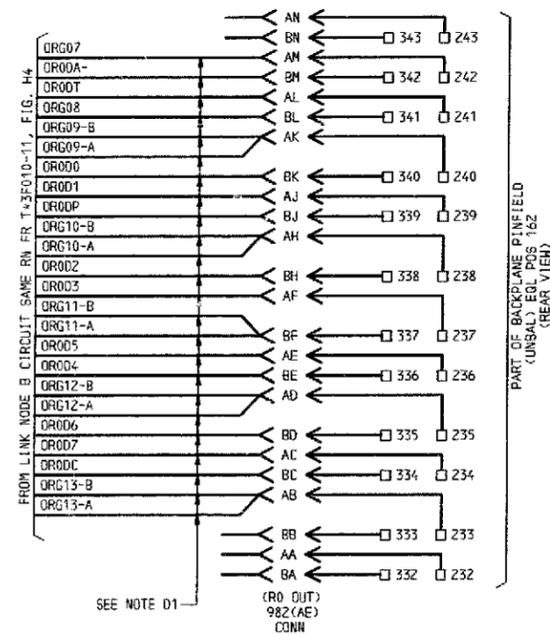


FIG. H4

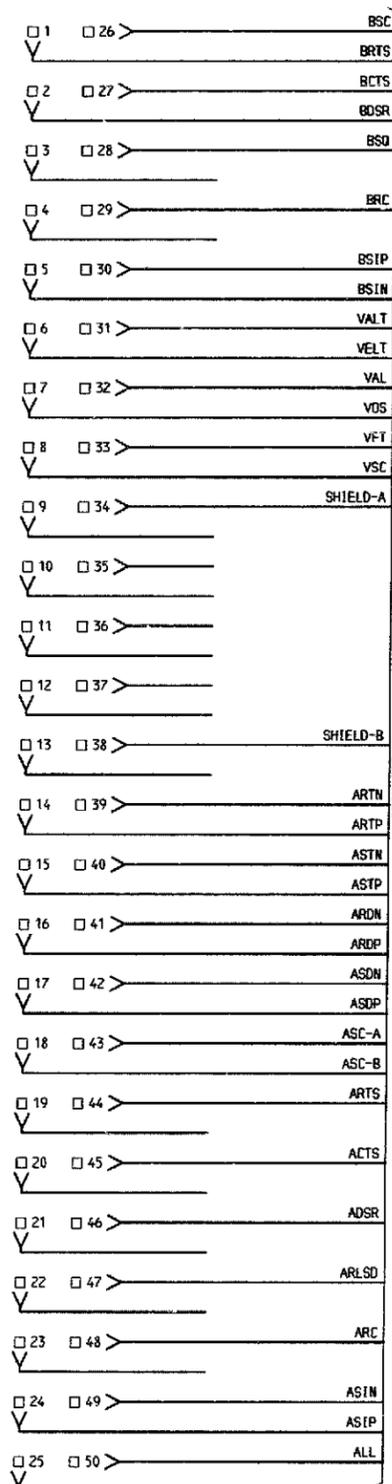
UNBALANCED RING BUS CABLING



SEE PROPRIETARY NOTICE ON SHEET A1

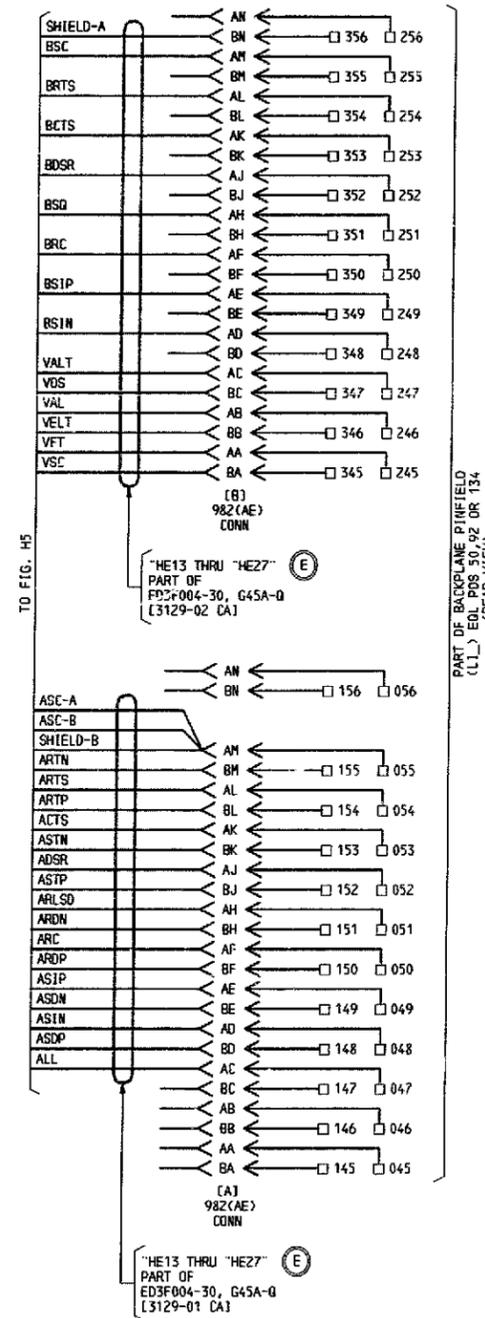
LINK NODE A CIRCUIT	DWG SIZE	ISSUE
	C2	7
AT&T TECHNOLOGIES, INC.	T*3F009-11	SHEET D3

FIG. H5



[[C]] KS-16786, L19 CONN ON LINK DISTRIBUTION FRAME

FIG. H6



SEE PROPRIETARY NOTICE ON SHEET A1

LINK NODE A CIRCUIT		DWG SIZE	ISSUE
		C2	9
AT&T TECHNOLOGIES, INC.	T*3F009-11	SHEET 04	

FIG. H7 (MFR DISC)

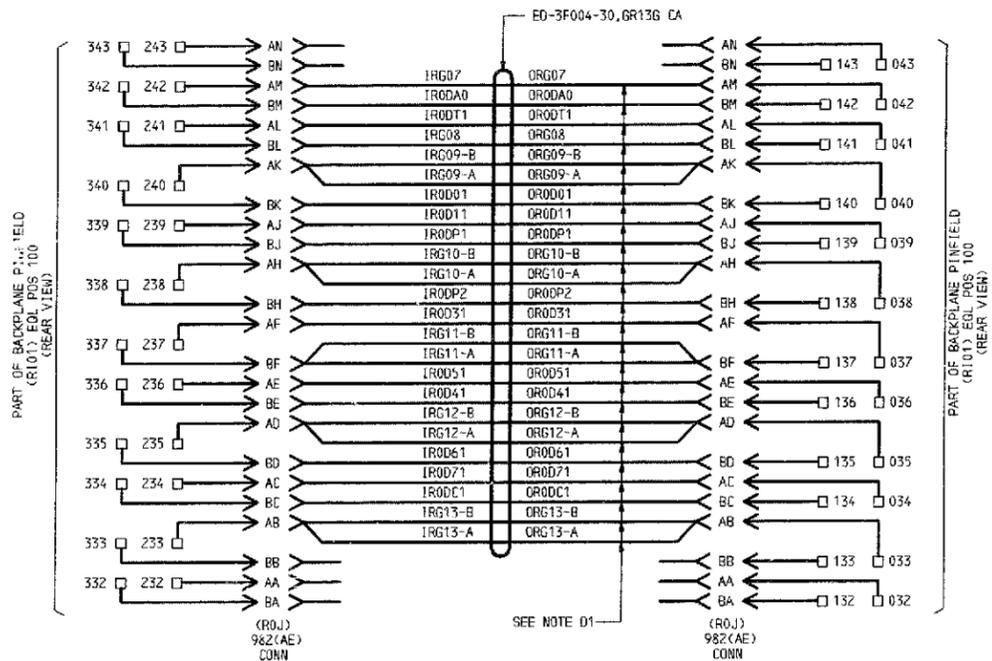
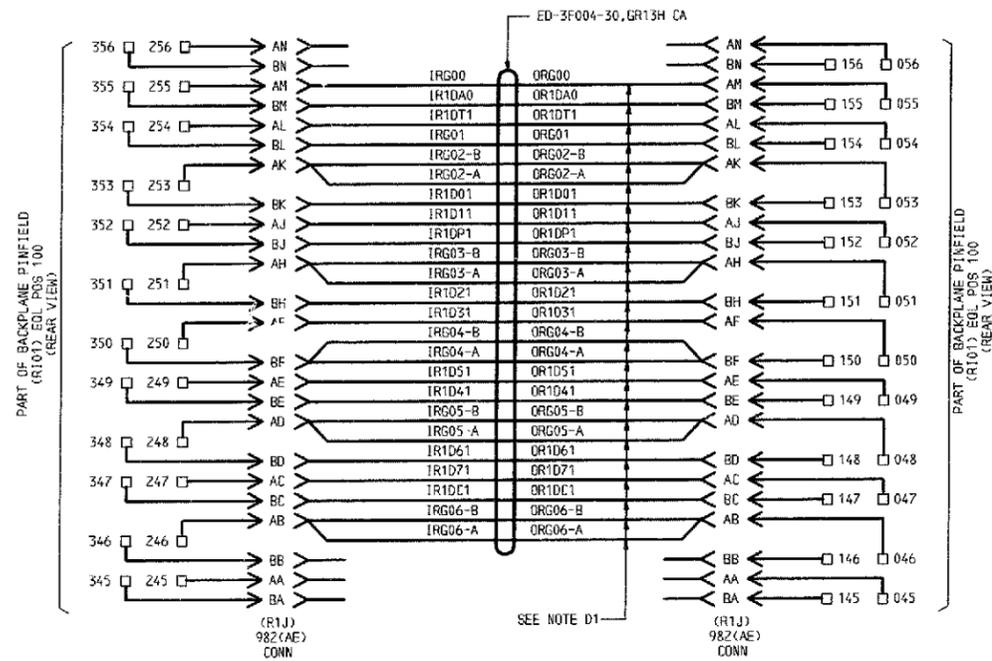
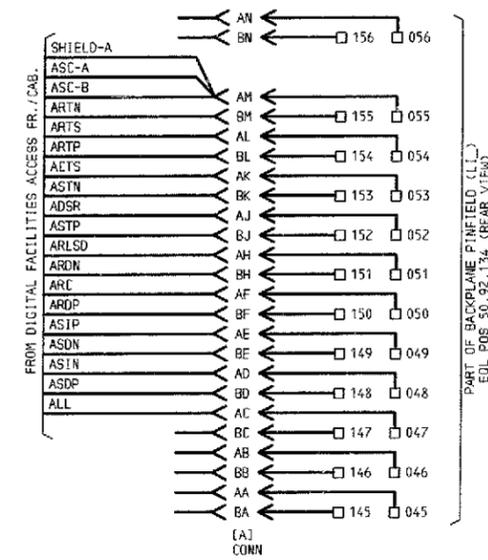


FIG. H8



SEE PROPRIETARY NOTICE ON SHEET A1

LINK NODE A CIRCUIT	DWG SIZE	ISSUE
	C2	7
AT&T TECHNOLOGIES, INC.	T*3F009-11	SHEET D5

FIG. H16

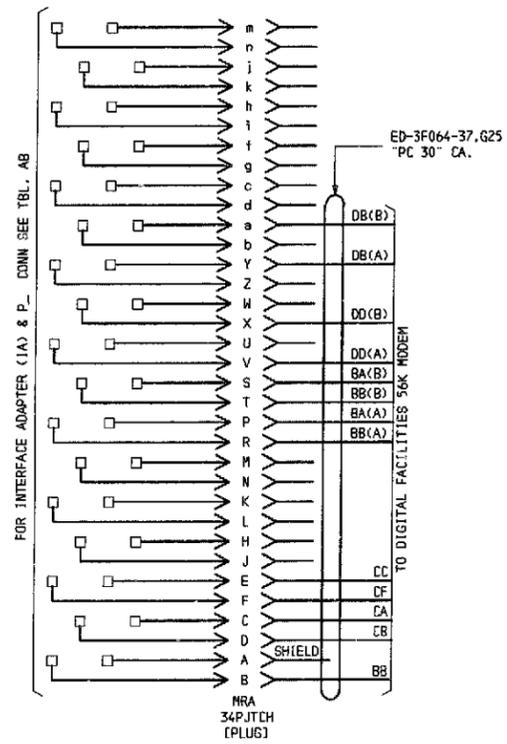
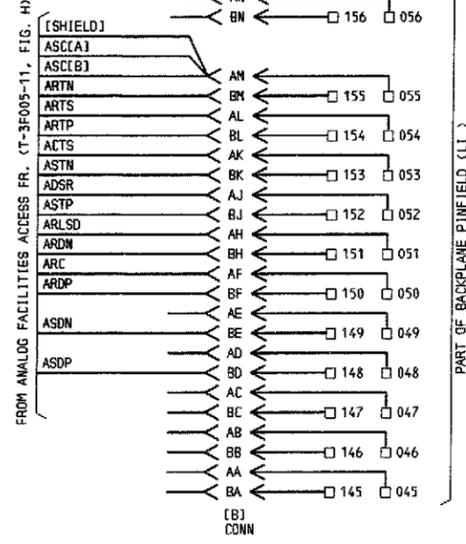
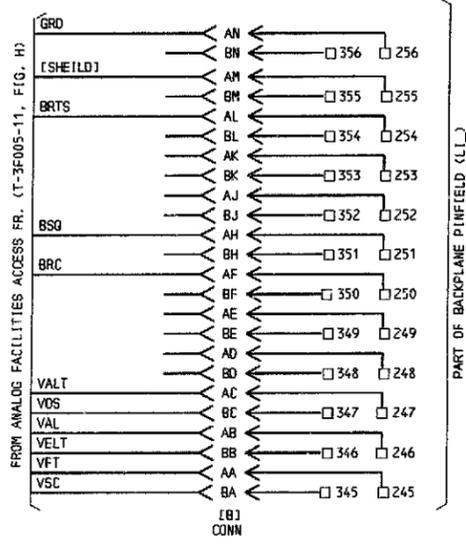


TABLE AB
(14A INTERFACE ADAPTER & P... CONN)

1A NAME	P... CONN EQL.
01A1	04-050
11A1	04-092
21A1	04-134

FIG. H9
(5ESS CAB.)
OR
(4ESS/AC1)



SEE PROPRIETARY NOTICE ON SHEET A1

LINK NODE A CIRCUIT	DWG SIZE	ISSUE
	C2	9
AT&T TECHNOLOGIES, INC.	T*3F009-11	SHEET 06

FIG. H10

FOR RS232C PROTOCOL

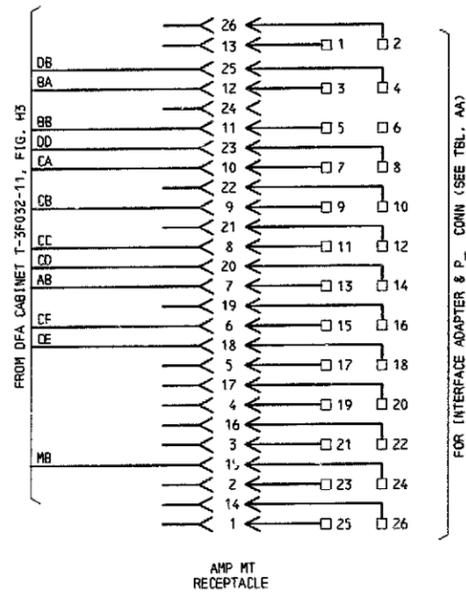


FIG. H11

FOR V.35 PROTOCOL

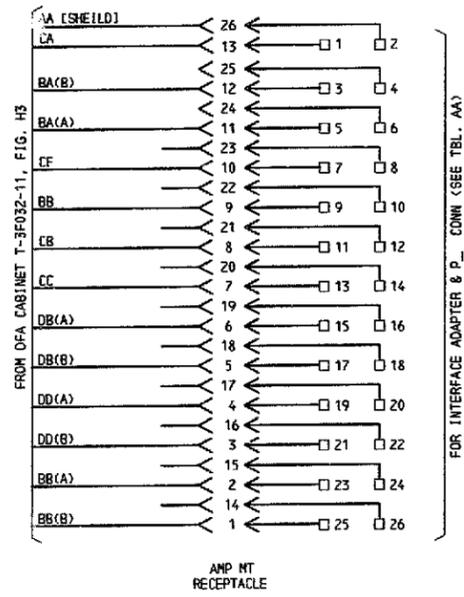


FIG. H12

FOR RS449 PROTOCOL

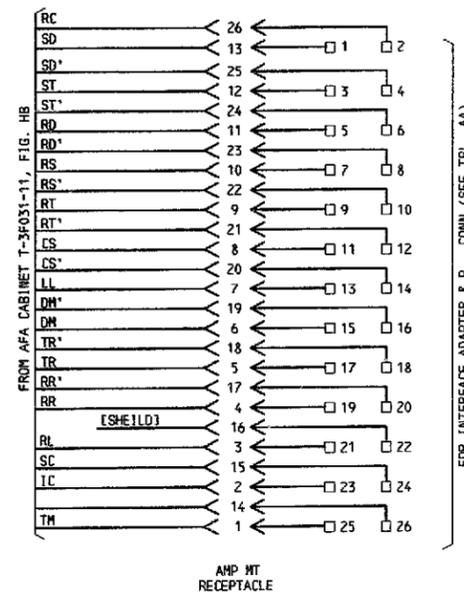


TABLE AA
(INTERFACE ADAPTER & P₁ CONN)

IA NAME	IA EQL	P- CONN & EQL
21A0	04-126R	07-126
		05-126
		03-126
21A1	04-134R	01-126
		07-134
		05-134
11A0	04-084R	03-134
		01-134
		07-084
11A1	04-092R	05-084
		03-084
		01-084
01A0	04-042R	07-092
		05-092
		03-092
01A1	04-050R	01-092
		07-042
		05-042
		03-042
		01-042
		07-050
		05-050
		03-050
		01-050

FIG. H13

FOR RS232C PROTOCOL

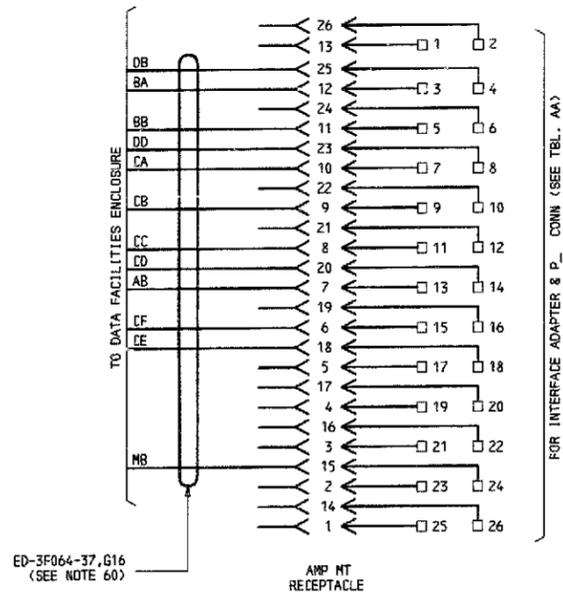


FIG. H14

FOR V.35 PROTOCOL

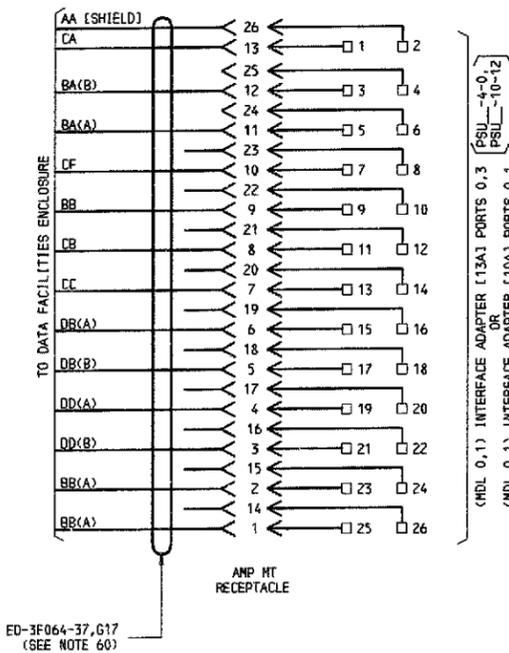
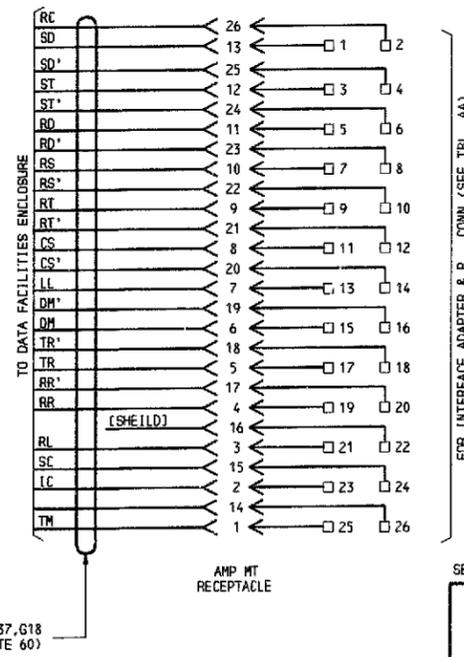


FIG. H15

FOR RS449 PROTOCOL



SEE PROPRIETARY NOTICE ON SHEET A1

LINK NODE A CIRCUIT	DWG SIZE	ISSUE
	C2	9
AT&T TECHNOLOGIES, INC.	T*3F009-11	SHEET D7

