

ENGINEERING NOTES

51. GROUPS 1 THROUGH 52 AND 101 THROUGH 152, RESPECTIVELY, ARE FUNCTIONALLY EQUIVALENT. GROUPS 1 THROUGH 52 ARE E/W T-TYPE CONNECTORS. GROUPS 101 THROUGH 152 ARE E/W AMP-TYPE CONNECTORS.

52. STOCKLIST LENGTHS ARE FOR BILL OF MATERIAL PURPOSES ONLY "ROUNDED TO THE NEXT HIGHEST FOOT" AND NOT TO BE USED FOR CABLE LENGTH PREPARATION.

ISSUE NOTES (CONTINUED)

GROUPS 101 THROUGH 152 ADDED. ENGINEERING NOTES 51 AND 52 ADDED. STOCKLIST ITEMS 1045 THROUGH 1080 ADDED AND ITEMS 1010 THROUGH 1030 REMOVED. [ALL GROUPS ADDED ARE FOR NSI SOFTWARE TRAIL. GRAPHICS SHALL BE UPDATED IN A LATER ISSUE.]

ORIG ISS: 12/16/82 CHANGE CLASS: ME

DRAFT: PKK ENGR: TPL SUPV: CERTIFIED: 08/04/93 ISSUE: 10

GROUPS 101 THRU 152 ADDED TO GRAPHICS. TCED GRAPHICS WERE ADDED TO ED. STOCKLIST # 1046 ADDED, 1050,1060,1070 & 1080 WERE UPDATED AND ALL LENGTHS WERE ADDED.

ORIG ISS: 12/16/82 CHANGE CLASS: ME

DRAFT: WJD ENGR: WJD SUPV: CERTIFIED: 09/30/93 ISSUE: 11

TABLE A CHANGES: RATING FOR GROUPS 1 THRU 52 AND GROUPS 101 THRU 152 READ STANDARD.

ORIG ISS: 12/16/82 NDD NBR: NDD5D10QNW-1 CHANGE CLASS: ME

DRAFT: EDH ENGR: EDH SUPV: CERTIFIED: 10/15/96 ISSUE: 12

ISSUE NOTES

ORIG ISS: 12/16/82 NDD NBR: 5D003IH-13 CHANGE CLASS:

DRAFT: JRP ENGR: RJW SUPV: JFM VAULT: 12/16/82 ISSUE: 1

GROUPS 5-8 ADDED.

AT&T CL: NONE ORIG ISS: 12/16/82 WECCO CL: AD

DRAFT: JRP ENGR: RW SUPV: VAULT: 05/12/83 ISSUE: 2

IN TBL 'S' THE 'B' AND 'PB' DIM CHANGED.

AT&T CL: NONE ORIG ISS: 12/16/82 WECCO CL: AD

DRAFT: JRP ENGR: RW SUPV: VAULT: 10/18/83 ISSUE: 3

G9-12 ADDED.

AT&T CL: NONE ORIG ISS: 12/16/82 WECCO CL: AD

DRAFT: JRP ENGR: IDK SUPV: VAULT: 11/18/83 ISSUE: 4

TABLE A, GROUP 13-20 ADDED FOR DSU-L & DSU-E. LIST OF ASSOCIATED DRAWING TABLE CORRECTED.

ORIG ISS: 12/16/82 CHANGE CLASS: B

DRAFT: DJP ENGR: REW SUPV: VAULT: 01/16/85 ISSUE: 5

GROUPS 21-28 ADDED. DSU II TO TSU II LDI WIA SD-5D094-01.

ORIG ISS: 12/16/82 CHANGE CLASS: A

DRAFT: DSL ENGR: REW SUPV: VAULT: 05/09/85 ISSUE: 6

 * DRAWING CONVERTED FROM SEDBS TO MDS COMPUTER SYSTEMS. *
 * THIS IS A MACHINE COPY OF THE LATEST SEDBS CERTIFIED ISSUE *
 * AND MAY CONTAIN MINOR DIFFERENCES. THE TABLE OF ASSOCIATED *
 * DRAWINGS WAS ELIMINATED DURING MIGRATION TO ASSIST THE *
 * SCRUBBING OF PROPRIETARY INFORMATION. *

GROUPS 29-36 ADDED. DSU/L POS.53. GROUPS 37-40 ADDED FOR DSU L/EXPORT POS.62 & 53. DRAWING RATING REMOVED.

ORIG ISS: 12/16/82 CHANGE CLASS: B

DRAFT: DSL ENGR: RW SUPV: CERTIFIED: 02/26/86 ISSUE: 7

IN S.L. ITEMS 1010,1020 LINED OUT . IN S.L. ITEMS 1012,1014,1016 ADDED. 963 TYPE CONN REPLACES 982 TYPE CONN ON A LINE OUT BASIS.

ORIG ISS: 12/16/82 CHANGE CLASS: B

DRAFT: LMK ENGR: WFN SUPV: CERTIFIED: 08/20/87 ISSUE: 8

IN S/L ITEM 1040 ADDED. ITEMS 1012,1014,1016 LINED OUT.

ORIG ISS: 12/16/82 CHANGE CLASS: M

DRAFT: HZP ENGR: TPL SUPV: CERTIFIED: 10/12/90 ISSUE: 9

SHEET INDEX										
SHT NBR	A1 THRU A2					ISSUE 12				
ISSUE										
SHT NBR	D1 THRU D2					ISSUE 12				
ISSUE										
SHT NBR	C1	C2	C3	C4	C5					
ISSUE	10	10	10	10	10					
SHT NBR										
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TABLE D-LIST OF ASSOCIATED REFERENCES	
NUMBER	TITLE
=TCED5D507-21 =ED4C251-10	TABULAR CA CONN DWG FASTECH WIRING & CABLING
=DENOTES NOT REQD BY INSTALLER	

ED5D507-21

LUCENT TECHNOLOGIES - PROPRIETARY USE PURSUANT TO COMPANY INSTRUCTIONS	
5ESS SWITCHING EQUIPMENT CABLE ASSEMBLY FOR INTERFACE MODULE CONTROL CABINETS-PICB CABLE	
KT13	
DWG SIZE C2	ISSUE 12
LUCENT TECHNOLOGIES INC	ED5D507-21
	SHEET A1 OF 9

TABLE A-FEATURES

EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT		
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY. E/W T-TYPE CONNECTORS. FE/RA:NONE DA EFF:11-11-96		DA	1 THRU 52								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY E/W AMP-TYPE CONNECTORS. FE/RA:NONE DA EFF:11-11-96		DA	101 THRU 152								
END OF TABLE-A											

SEE PROPRIETARY NOTICE ON SHEET ONE

KT13

5ESS SWITCHING EQUIPMENT
CABLE ASSEMBLY
FOR
INTERFACE MODULE CONTROL
CABINETS-PICB
CABLE

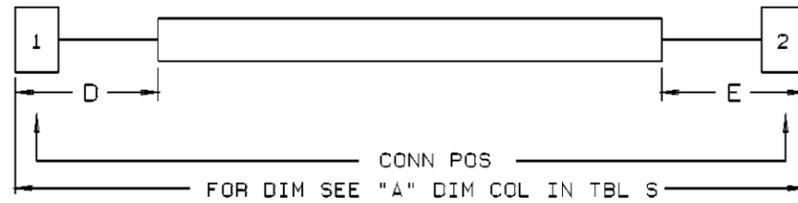
DWG SIZE C2	ISSUE 12
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SHEET OF	A2 9
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ED5D507-21

LUCENT TECHNOLOGIES INC ED5D507-21

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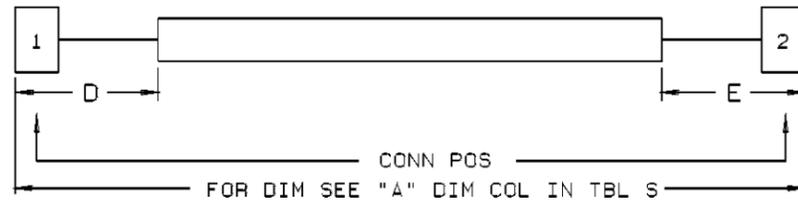
THE "A" DIM IS THE LENGTH OF SWBD CABLE FRONT OF CONN TO FRONT OF CONN.
 THE "D" AND "E" DIM ARE THE DIM FROM BUTT OF CABLE TO THE FRONT OF CONN.

SK. A
 (SEE TABLE S)

GROUP	CABLE CODE	"A" DIM CM FT-IN		"A" DIM TOLERANCE CM IN		LENGTH FROM CABLE BUTT TO FRONT OF CONN				SK
						"D" DIM		"E" DIM		
						CM	FT-IN	CM	FT-IN	
1,101	1051005A	137.16	[4-6]	± 2.5	[±1.0]	4.0	[0-1 1/2]	4.0	[0-1 1/2]	A
2,102		91.44	[3-0]	± 1.5	[±0.5]					
3,103		106.68	[3-6]	± 2.0	[±1.0]					
4,104		152.40	[5-0]	± 2.5	[±1.5]					
5,105		139.70	[4-7]	± 2.5	[±1.5]					
6,106		129.54	[4-3]	± 2.0	[±1.0]					
7,107		124.46	[4-1]	± 2.0	[±1.0]					
8,108		132.08	[4-4]	± 2.0	[±1.0]					
9,109		139.70	[4-7]	± 2.5	[±1.0]					
10,110		139.70	[4-7]	± 2.5	[±1.0]					
11,111		119.38	[3-11]	± 2.0	[±1.0]					
12,112		119.38	[3-11]	± 2.0	[±1.0]					
13,113		119.38	[3-11]	± 2.0	[±1.0]					
14,114		78.74	[2-7]	± 1.5	[±0.5]					
15,115		99.06	[3-3]	± 1.5	[±0.5]					
16,116		139.70	[4-7]	± 2.5	[±1.0]					
17,117		109.22	[3-7]	± 1.0	[±1.0]					
18,118		149.86	[4-11]	± 2.5	[±1.0]					
19,119		129.54	[4-3]	± 2.0	[±1.0]					
20,120		170.18	[5-7]	± 3.0	[±1.0]					

SEE PROPRIETARY NOTICE ON SHEET ONE

SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES		DWG SIZE C2	ISSUE 10
AT&T	ED50507-21	SHEET C1	



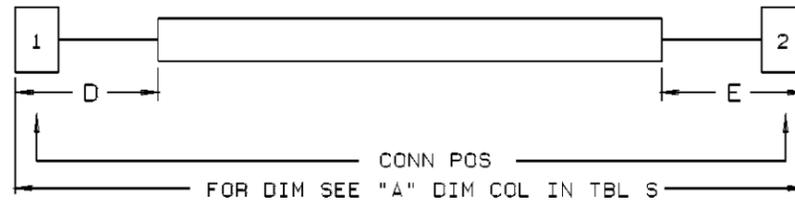
THE "A" DIM IS THE LENGTH OF SWBD CABLE FRONT OF CONN TO FRONT OF CONN.
 THE "D" AND "E" DIM ARE THE DIM FROM BUTT OF CABLE TO THE FRONT OF CONN.

SK. A
 (SEE TABLE S)

TABLE S										
GROUP	CABLE CODE	"A" DIM CM FT-IN		"A" DIM TOLERANCE CM IN		LENGTH FROM CABLE BUTT TO FRONT OF CONN				SK
						"D" DIM		"E" DIM		
						CM	FT-IN	CM	FT-IN	
21,121	1051005A	114.30	[3-9]	±2.0	[±1.0]	4.0	[0-1 1/2]	4.0	[0-1 1/2]	A
22,122		76.20	[2-6]	±1.5	[±0.5]					
23,123		104.14	[3.5]	±2.0	[±1.0]					
24,124		144.78	[4-7]	±2.5	[±1.0]					
25,125		137.16	[4-6]	±2.5	[±1.0]					
26,126		91.44	[3-0]	±1.5	[±0.5]					
27,127		106.68	[3-6]	±2.0	[±1.0]					
28,128		152.40	[5-0]	±3.0	[±1.0]					
29,129		142.24	[4-8]	±2.5	[±1.0]					
30,130		101.60	[3-4]	±2.0	[±0.5]					
31,131		121.92	[4-0]	±2.0	[±1.0]					
32,132		162.56	[5-4]	±2.5	[±1.0]					
33,133		137.16	[4-6]	±2.5	[±1.0]					
34,134		99.06	[3-3]	±1.5	[±0.5]					
35,135		127.00	[4-2]	±2.0	[±1.0]					
36,136		167.64	[5-6]	±3.0	[±1.0]					
37,137		157.48	[5-2]	±2.5	[±1.0]					
38,138		223.52	[7.4]	±3.5	[±1.5]					
39,139		132.08	[4-4]	±2.0	[±1.0]					
40,140		172.72	[5-8]	±3.0	[±1.5]					

SEE PROPRIETARY NOTICE ON SHEET ONE

SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES		DWG SIZE C2	ISSUE 10
AT&T	ED5D507-21	SHEET C2	



THE "A" DIM IS THE LENGTH OF SWBD CABLE FRONT OF CONN TO FRONT OF CONN.
 THE "D" AND "E" DIM ARE THE DIM FROM BUTT OF CABLE TO THE FRONT OF CONN.

SK. A
 (SEE TABLE S)

GROUP	CABLE CODE	"A" DIM CM FT-IN		"A" DIM TOLERANCE CM IN		LENGTH FROM CABLE BUTT TO FRONT OF CONN				SK
						"D" DIM		"E" DIM		
						CM	FT-IN	CM	FT-IN	
41.141	1051005A	137.16	[4-6]	±2.5	[±1.0]	4.0	[0-1 1/2]	4.0	[0-1 1/2]	A
42.142		91.44	[3-0]	±1.5	[±0.5]					
43.143		106.68	[3-6]	±2.0	[±1.0]					
44.144		152.40	[5-0]	±2.5	[±1.0]					
45.145		147.32	[4-10]	±2.5	[±1.0]					
46.146		124.46	[4-1]	±2.0	[±1.0]					
47.147		185.42	[6-1]	±3.0	[±1.5]					
48.148		187.96	[6-2]	±3.0	[±1.5]					
49.149		152.40	[5-0]	±2.5	[±1.0]					
50.150		154.94	[5-1]	±2.5	[±1.0]					
51.151		134.62	[4-5]	±2.5	[±1.0]					
52.152		180.34	[5-11]	±3.0	[±1.5]					

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES		
DWG SIZE C2	ISSUE 10	
AT&T	ED50507-21	SHEET C3

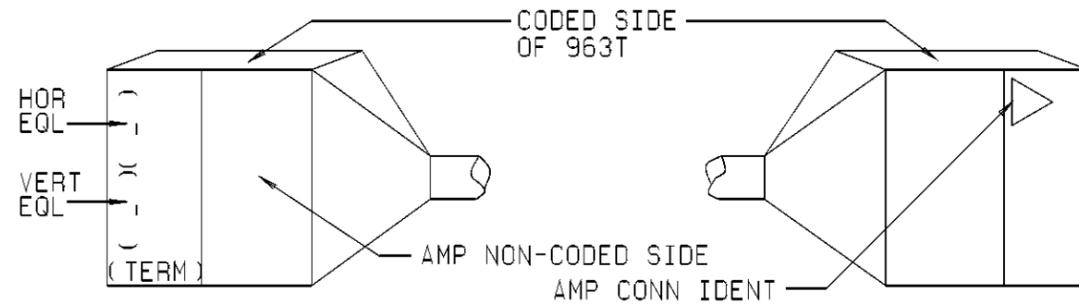
CONNECTING INFORMATION
 GROUP 1 THRU 52 (E/W 963T CONN)
 GROUP 101 THRU 152 (E/W AMP CONN)

CONN POS 1, 2			
WIRING SIDE OF 2X6 CONN			
COLOR	TERM	TERM	COLOR
	AA	BA	
BL/W	AB	BB	W/BL
O/W	AC	BC	W/O
G/W	AD	BD	W/G
BR/W	AE	BE	W/BR
S/W	AF	BF	W/S

AMP CONN IDENT

CODED SIDE OF 963T CONN

STAMPING INFORMATION

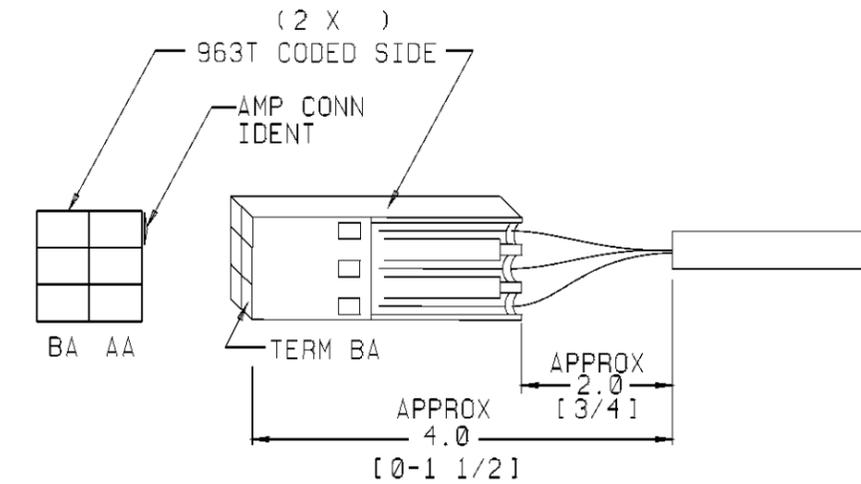


963T2-12 OR RV125 AMP CONNECTOR (2 X 6)

TYPICAL METHOD OF STAMPING 963T-12, 963T2-12 & AMP CONNECTOR (2 X 6 & LARGER)

STAMPING TABLE								
GROUP	CONN POS	EQL	TERM	CAB	CONN POS	EQL	TERM	CAB
1,101	1	53-024	151		2	36-164	151	
2,102	1	53-024	351		2	36-018	151	
3,103	1	53-114	151		2	36-164	145	
4,104	1	53-114	351		2	36-018	145	

963T-(), 963T2-() & AMP CONNECTOR



WIRING SIDE SIDE VIEW

TYPICAL METHOD OF ASSEMBLING 963T-(), 963T2-() & AMP CONNECTOR (2 X) ON TO PREPARED CABLE END

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES		
DWG SIZE C2	ISSUE 10	
AT&T	ED5D507-21	SHEET C4

STAMPING INFORMATION
GROUP 5 THRU 52 AND 105 THRU 152

STAMPING TABLE								
GROUP	CONN POS	EQL	TERM	CAB	CONN POS	EQL	TERM	CAB
5,105	1	62-024	151		2	36-111	051	
6,106	1	62-024	351		2	36-077	051	
7,107	1	62-114	151		2	36-105	051	
8,108	1	62-114	351		2	36-083	051	
9,109	1	62-096	351		2	36-018	145	
10,110	1	62-096	151		2	36-164	145	
11,111	1	53-096	351		2	36-018	151	
12,112	1	53-096	151		2	36-164	151	
13,113	1	45-024	151		2	36-154	151	
14,114	1	45-024	351		2	36-030	151	
15,115	1	45-114	151		2	36-154	145	
16,116	1	45-114	351		2	36-030	145	
17,117	1	45-096	151		2	36-154	151	
18,118	1	45-096	351		2	36-030	151	
19,119	1	53-096	151		2	36-154	145	
20,120	1	53-096	351		2	36-030	145	
21,121	1	45-008	151		2	36-154	151	
22,122	1	45-008	351		2	36-030	151	
23,123	1	45-098	151		2	36-154	145	
24,124	1	45-098	351		2	36-030	145	
25,125	1	53-008	151		2	36-164	151	
26,126	1	53-008	351		2	36-018	151	
27,127	1	53-098	151		2	36-164	145	
28,128	1	53-098	351		2	36-018	145	

STAMPING TABLE								
GROUP	CONN POS	EQL	TERM	CAB	CONN POS	EQL	TERM	CAB
29,129	1	53-024	151		2	36-154	151	
30,130	1	53-024	351		2	36-030	151	
31,131	1	53-114	151		2	36-154	145	
32,132	1	53-114	351		2	36-030	145	
33,133	1	53-008	151		2	36-154	151	
34,134	1	53-008	351		2	36-030	151	
35,135	1	53-098	151		2	36-154	145	
36,136	1	53-098	351		2	36-030	145	
37,137	1	62-096	151		2	36-154	151	
38,138	1	62-096	351		2	36-030	151	
39,139	1	53-096	151		2	36-154	145	
40,140	1	53-096	351		2	36-030	145	
41,141	1	62-008	151		2	45-111	051	
42,142	1	62-008	351		2	45-077	051	
43,143	1	62-098	151		2	45-105	051	
44,144	1	62-098	351		2	45-083	051	
45,145	1	70-008	151		2	52-164	151	
46,146	1	70-008	351		2	52-018	151	
47,147	1	70-098	151		2	52-164	145	
48,148	1	70-098	351		2	52-018	145	
49,149	1	70-008	151		2	52-111	051	
50,150	1	70-008	351		2	52-077	051	
51,151	1	70-098	151		2	52-105	051	
52,152	1	70-098	351		2	52-083	051	

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES	DWG SIZE	ISSUE
	C2	10
AT&T	ED5D507-21	SHEET C5

ED5D507-21

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1040	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52	2	105772800	963T-12	CONNECTOR			
1041	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52	4	106905458	TCOV-LS12G	COVER, PROTECTIVE			
1045	101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152	2	406922252		CONNECTOR #1-966061-2 AMP INC.			
1046	101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152	4	406884502		COVER, CONNECTOR #964393-6 AMP INC.			

STOCKLIST CONTINUED ON SHEET D2

SHEET NBR	I N S T	MANUFACTURING NOTES	
		SYM	NBR
X	X		
X	X		
X	X		
X	X		

1. ALL DIMENSIONS ARE GIVEN IN FEET & INCHES.
2. MAXIMUM CABLE LENGTH CANNOT EXCEED 19-6 + OR - 6 INCHES.
3. A/R=AS REQUIRED.
4. UNLESS OTHERWISE SPECIFIED, THE SHINNER LENGTH IS TO BE DETERMINED BY THE INDIVIDUAL MANUFACTURING LOCATIONS AND IS IN ADDITION TO THE SPECIFIED DIMENSIONS.

SEE PROPRIETARY NOTICE ON SHEET ONE

5ESS SWITCHING EQUIPMENT CABLE ASSEMBLY FOR INTERFACE MODULE CONTROL CABINETS-PICB CABLE		XT13 DWG SIZE C2	ISSUE 12
LUCENT TECHNOLOGIES INC		ED5D507-21	SHEET D1 OF 9

ED5D507-21

STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1050	2,14,22, 26,34,42, 102,114, 122,126, 134,142	1	107717456	#1051B5/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 4 FEET 0 INCH			
1060	3,6,7,11, 12,13,15, 17,19,21, 23,27,30, 31,35,43, 46,103, 106,107, 111,112, 113,115, 117,119, 121,123, 127,130, 131,135, 143,146	1	107717456	#1051B5/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 5 FEET 0 INCH			
1070	1,4,5,8, 9,10,16, 18,24,25, 28,29,33, 37,39,41, 44,45,49, 50,51, 101,104, 105,108, 109,110, 116,118, 124,125, 128,129, 133,137, 139,141, 144,145, 149,150, 151	1	107717456	#1051B5/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 6 FEET 0 INCH			
1080	20,32,36, 40,47,48, 52,120, 132,136, 140,147, 148,152	1	107717456	#1051B5/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 7 FEET 0 INCH			

***** END OF STOCKLIST *****

SEE PROPRIETARY NOTICE ON SHEET ONE

5ESS SWITCHING EQUIPMENT
CABLE ASSEMBLY
FOR
INTERFACE MODULE CONTROL
CABINETS-PICB
CABLE

KT13

DWG SIZE
C2

ISSUE
12

ED5D507-21

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SHEET D2
OF 9

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