

ENGINEERING NOTES

53. GROUPS 1A THRU 24A ARE EQUIVALENT TO 1 THRU 24 BUT HAS AMP TYPE CONN INPLACE OF T-TYPE CONN.

ISSUE NOTES (CONTINUED)

GRPS 51 THRU 56 ADDED FOR MTB ASSIGNMENTS BETWEEN THE MMSU AND PERIPHERIAL UNITS THAT MOUNT IN POS 0. ST 1030, 1035, 1040, 1045, 1050, 1055, 1060, 1065 & 1070 CHANGED. SHEETS C1 & C2 CHANGED. REPLACED DA 1050 WITH NEW COMECODE. ADDED COVERS FOR 963T2-24 CONN.

ORIG ISS: 04/04/83 CHANGE CLASS: B

DRAFT: WJD ENGR: WJD SUPV: PK CERTIFIED: 01/22/97 ISSUE: 10

THE RATING FOR GRPS 1A THRU 24A WAS :STANDARD: CASE H7638

ORIG ISS: 04/04/83 CHANGE CLASS: ME

DRAFT: WJD ENGR: WJD SUPV: PK CERTIFIED: 02/13/97 ISSUE: 11

ISSUE CREATED TO CHANGE PROP CODE.

ORIG ISS: 04/04/83 CHANGE CLASS: B

DRAFT: JJW ENGR: JJW SUPV: CERTIFIED: 09/29/00 ISSUE: 12

ISSUE NOTES

ORIG ISS: 04/04/83 CHANGE CLASS:

DRAFT: JRP ENGR: RW SUPV: JFM VAULT: 04/04/83 ISSUE: 1

GROUPS 19 THRU 36 REMOVED.

AT&T CL: NONE ORIG ISS: 04/04/83 WECO CL: AD

DRAFT: JRP ENGR: RW SUPV: VAULT: 07/26/83 ISSUE: 2

* 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. *

STOCKLIST ITEM 1030 LINED OUT AND REPLACED WITH 1035-1070. SHT C1 REDESIGNED, SHT D1 NOTE 4 CHANGED AND NOTE 5 ADDED. DRAWING RATING REMOVED.

ORIG ISS: 04/04/83 CHANGE CLASS: AD

DRAFT: DSL ENGR: REW SUPV: CERTIFIED: 02/26/86 ISSUE: 3

SL ITEM 1020 LINED-OUT, SL ITEM 1025 ADDED. GROUPS 19-24 ADDED. NOTE 5 REMOVED.

ORIG ISS: 04/04/83 CHANGE CLASS: B

DRAFT: DSL ENGR: RW SUPV: CERTIFIED: 10/12/88 ISSUE: 4

ALL GROUPS ARE FOR NSI SOFTWARE TRIAL. GRAPHICS SHALL BE UPDATED IN A LATER ISSUE. IN STOCKLIST LENGTHS ARE ADDED FOR WIRING CABLES.

ORIG ISS: 04/04/83 CHANGE CLASS: MF

DRAFT: WJD ENGR: WJD SUPV: CERTIFIED: 07/01/93 ISSUE: 5

MODIFIED MANUFACTURING LOCATION CODE FROM CL TO OC. STOCKLIST ITEM 1020 & 1030 REMOVED.

ORIG ISS: 04/04/83 CHANGE CLASS: MF

DRAFT: WJD ENGR: WJD SUPV: CERTIFIED: 07/29/93 ISSUE: 6

GROUPS 1A THRU 10A ADDED TO GRAPHIC SHEETS. TCED INFO INCORPORATED INTO ED; TCED AS WIRING DOCUMENT SUPERSEDED. GROUPS 11 THRU 24 & 11A THRU 24A DA'D PER COST REDUCTION.

ORIG ISS: 04/04/83 CHANGE CLASS: ME

DRAFT: HZP ENGR: HZP SUPV: CERTIFIED: 12/09/93 ISSUE: 7

SHEET C1 & C2 GROUPS 11 THRU 24 AND 11A THRU 24A ADDED PER PI. STOCKLIST 1030 THRU 1080 CHANGED PER PI.

ORIG ISS: 04/04/83 CHANGE CLASS: MF

DRAFT: WJD ENGR: WJD SUPV: CERTIFIED: 07/20/94 ISSUE: 8

DA STATUS RMVD IN TBL A FOR GROUPS 11 THRU 24 & 11A THRU 24A.

ORIG ISS: 04/04/83 CHANGE CLASS: ME

DRAFT: HZP ENGR: HZP SUPV: CERTIFIED: 08/10/94 ISSUE: 9

SHEET INDEX									
SHT NBR	A1 THRU A2		ISSUE 12						
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LUCENT TECHNOLOGIES - PROPRIETARY
USE PURSUANT TO COMPANY INSTRUCTIONS

RT13

5ESS SWITCHING EQUIPMENT
CABLE ASSEMBLY
FOR
METALLIC TEST
INTERCONNECTION BUS

DWG SIZE C2 ISSUE 12

LUCENT TECHNOLOGIES INC ED5D503-28 SHEET A1 OF 7

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 963T2 TYPE CONN			1 THRU 10	1							
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY E/W AMP TYPE CONN DA EFF:03/28/97 FE/RA:NONE		DA	1A THRU 10A	1							
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY E/W 963T2 TYPE CONN			11 THRU 24	1							
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY E/W AMP TYPE CONN DA EFF:03/28/97 FE/RA:NONE		DA	11A THRU 24A	1							
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY E/W 963T2 TYPE CONN			51 THRU 56	1							
END OF TABLE-A											

SEE PROPRIETARY NOTICE ON SHEET ONE

RT13

5ESS SWITCHING EQUIPMENT
CABLE ASSEMBLY
FOR
METALLIC TEST
INTERCONNECTION BUS

DWG SIZE
C2

ISSUE
12

ED5D503-28

LUCENT TECHNOLOGIES INC

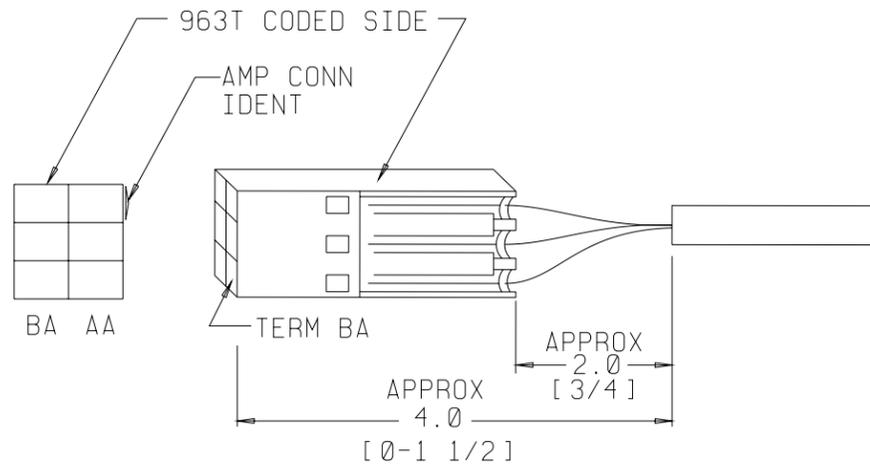
ED5D503-28

SHEET A2
OF 7

CONNECTING AND STAMPING INFORMATION

GROUP 1 THRU 24, 1A THRU 24A, 51 THRU 56

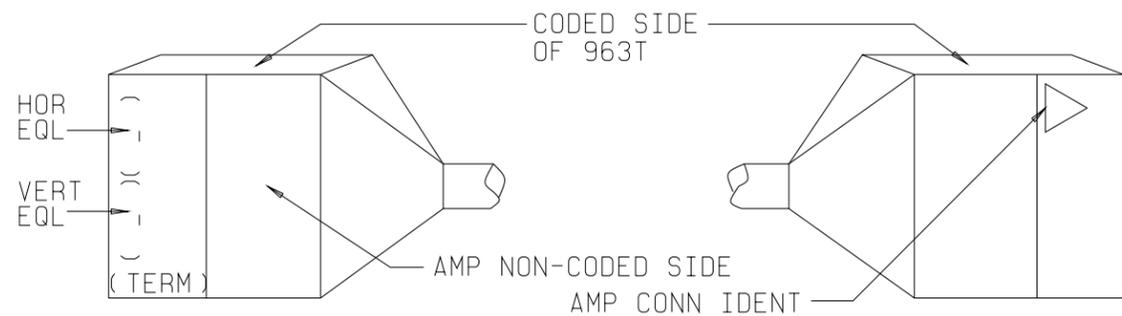
963T-(), 963T2-() & AMP CONNECTOR
(2 X)



WIRING SIDE SIDE VIEW

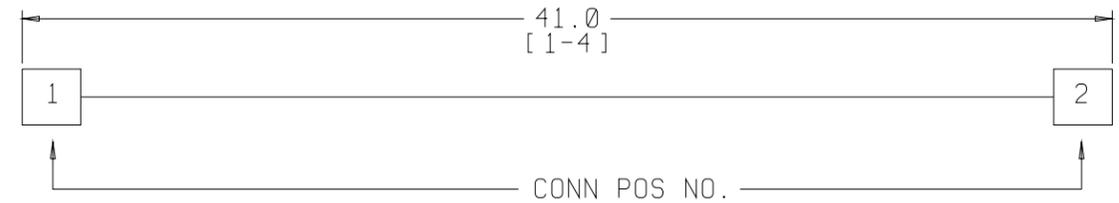
TYPICAL METHOD OF ASSEMBLING 963T-(), 963T2-() & AMP CONNECTOR (2 X) ON TO PREPARED CABLE END

GROUP 1 THRU 24 & 1A THRU 24A (E/W 963T CONN)
GROUP 1A THRU 24A (E/W AMP CONN)



963T OR RV125 AMP CONNECTOR (2 X)

TYPICAL METHOD OF STAMPING 963T- . 963T2- & AMP CONNECTOR (2X6 & LARGER)



CONN POS 1			
WIRING SIDE OF 2x12 CONN			
COLOR	TERM	TERM	COLOR
	AA	BA	
	AB	BB	
	AC	BC	
	AD	BD	
W-BL	AE	BE	BL-W
W-O	AF	BF	O-W
W-G	AH	BH	G-W
O-BK	AJ	BJ	BK-O
W-S	AK	BK	S-W
R-BL	AL	BL	BL-R
R-O	AM	BM	O-R
R-G	AN	BN	G-R

CODED SIDE OF 963T CONN

CONN POS 2			
WIRING SIDE OF 2x12 CONN			
COLOR	TERM	TERM	COLOR
W-BL	AA	BA	BL-W
W-O	AB	BB	O-W
W-G	AC	BC	G-W
O-BK	AD	BD	BK-O
W-S	AE	BE	S-W
R-BL	AF	BF	BL-R
R-O	AH	BH	O-R
R-G	AJ	BJ	G-R
	AK	BK	
	AL	BL	
	AM	BM	
	AN	BN	

CODED SIDE OF 963T CONN

SEE PROPRIETARY NOTICE ON SHEET ONE

CONNECTORIZED
CABLE ASSEMBLIES

DWG SIZE
c2

ISSUE
10

LUCENT
TECHNOLOGIES INC.

ED5D503-28

SHEET
c1

STAMPING INFORMATION

GROUP 1 THRU 24 E/W 963T2 CONN
 GROUP 1A THRU 24A E/W AMP CONN
 GROUP 51 THRU 56 E/W 963T2 CONN

STAMPING TABLE

GROUP	CONN POS	EQL	TERM	CAB	CONN POS	EQL	TERM	CAB
1,1A	1	()19-178	300		2	()28-178	313	
2,2A	1	()19-178	332		2	()28-178	345	
3,3A	1	()28-178	300		2	()36-178	313	
4,4A	1	()28-178	332		2	()36-178	345	
5,5A	1	()36-178	300		2	()45-178	313	
6,6A	1	()36-178	332		2	()45-178	345	
7,7A	1	()28-178	300		2	()36-178	313	
8,8A	1	()28-178	332		2	()36-178	345	
9,9A	1	()36-178	300		2	()45-178	313	
10,10A	1	()36-178	332		2	()45-178	345	
11,11A	1	()45-178	300		2	()53-178	313	
12,12A	1	()45-178	332		2	()53-178	345	
13,13A	1	()36-178	300		2	()45-178	313	
14,14A	1	()36-178	332		2	()45-178	345	
15,15A	1	()45-178	300		2	()53-178	313	
16,16A	1	()45-178	332		2	()53-178	345	
17,17A	1	()53-178	300		2	()62-178	313	
18,18A	1	()53-178	332		2	()62-178	345	
19,19A	1	()45-178	300		2	()53-178	313	
20,20A	1	()45-178	332		2	()53-178	345	
21,21A	1	()53-178	300		2	()62-178	313	
22,22A	1	()53-178	332		2	()62-178	345	
23,23A	1	()53-178	300		2	()62-178	313	
24,24A	1	()53-178	332		2	()62-178	345	
51	1	()11-178	300		2	()19-178	313	
52	1	()11-178	332		2	()19-178	345	
53	1	()19-178	300		2	()28-178	313	
54	1	()19-178	332		2	()28-178	345	
55	1	()28-178	300		2	()36-178	313	
56	1	()28-178	332		2	()36-178	345	

LINE	NOTE	START		BREAK OUT AT	SEPARATE COLOR	IN		OUT
		ARM	NAIL			ARM	NAIL	
1				GROUP 1-24, 1A-24A &				
2				51-56				
3				ADD				
4				22BU PAIRS				
5				*W-BL, BL-W* *W-Ø, Ø-W*				
6				*W-G, G-W* *O-BK, BK-O*				
7				*W-S, S-W* *R-BL, BL-R*				
8				*R-Ø, Ø-R* *R-G, G-R*				
9								
10								
11		19	178			28	178	DROP
12								
13								
14								
15								
16								
17								
18								
19								
20								

SEE PROPRIETARY NOTICE ON SHEET ONE

CONNECTORIZED
CABLE ASSEMBLIES

DWG SIZE
C2

ISSUE
10

LUCENT TECHNOLOGIES INC. ED5D503-28

SHEET
C2

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1,2,3,4,	2	103125373	982AE	CONNECTOR, ELECTRICAL			
	5,6,7,8,							
	9,10,11,							
	12,13,14,							
	15,16,17,							
	18,19,20,							
	21,22,23,							
	24							
1025	1,2,3,4,	2	842923765		RELIEF, STRAIN			
	5,6,7,8,							
	9,10,11,							
	12,13,14,							
	15,16,17,							
	18,19,20,							
	21,22,23,							
	24							
1030	1,2,3,4,	2	106787435	963T2-24	CONNECTOR, CABLE			
	5,6,7,8,							
	9,10,11,							
	12,13,14,							
	15,16,17,							
	18,19,20,							
	21,22,23,							
	24,51,52,							
	53,54,55,							
	56							
1032	1,2,3,4,	4	106904956	TCOV-NS24G	COVER, PROTECTIVE			
	5,6,7,8,							
	9,10,11,							
	12,13,14,							
	15,16,17,							
	18,19,20,							
	21,22,23,							
	24,51,52,							
	53,54,55,							
	56							
1035	1,1A,2,	1	814231502	P42C150	WIRE 22BU W-BL/BL-W A DIMENSION = 2 FEET 0 INCH			
	2A,3,3A,							
	4,4A,5,							
	5A,6,6A,							
	7,7A,8,							
	8A,9,9A,							
	10,10A,							
	11,11A,							
	12,12A,							
	13,13A,							
	14,14A,							
	15,15A,							
	16,16A,							
	17,17A,							
	18,18A,							
	19,19A,							
	20,20A,							
	21,21A,							
	22,22A,							
	23,23A,							
	24,24A,							
	51,52,53,							
	54,55,56							
	1040						1,1A,2,	1
2A,3,3A,								
4,4A,5,								
5A,6,6A,								
7,7A,8,								
8A,9,9A,								
10,10A,								
11,11A,								
12,12A,								
13,13A,								
14,14A,								
15,15A,								
16,16A,								
17,17A,								
18,18A,								
19,19A,								
20,20A,								
21,21A,								
22,22A,								
23,23A,								
24,24A,								
51,52,53,								
54,55,56								

STOCKLIST CONTINUED ON SHEET D2

S H O P I N S T	MANUFACTURING NOTES																					
		<p>1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN METRICS (CM). EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN BRACKETS.</p> <p>2. DIMENSIONS 12 INCHES AND OVER ARE EXPRESSED IN FEET AND INCHES. ALL OTHER DIMENSIONS ARE IN INCHES.</p> <p>3. RESERVED.</p> <p>4. OVERALL CABLE LENGTH (DESIGNATED AS "A" DIM IN TBL S) IS THE LENGTH OF FINISHED CABLE MEASURED FROM THE FARTHEST TIP OF CONN AT ONE END OF THAT CABLE TO THE FARTHEST TIP OF CONN AT THE OTHER END.</p> <p>5. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS WILL HOLD A LENGTH TOLERANCE AS FOLLOWS:</p> <table border="0"> <tr> <td>METRIC</td> <td>TOLERANCE</td> <td>ENGLISH</td> <td>TOLERANCE</td> </tr> <tr> <td>LENGTH</td> <td>-----</td> <td>LENGTH</td> <td>-----</td> </tr> <tr> <td>0-1 M</td> <td>+/-1.5 CM</td> <td>{ZERO TO 3' 4"</td> <td>+/-0.5"}</td> </tr> <tr> <td>1 M AND UP</td> <td>+/-1.5%</td> <td>{3' 4" & UP</td> <td>+/-1.5%}</td> </tr> <tr> <td></td> <td></td> <td>ROUNDED UP TO 1 CM OR 0.5".</td> <td></td> </tr> </table> <p>6. A/R=AS REQUIRED.</p> <p>7. AA, AB, BA, BB ETC., ARE TERMINAL REFERENCE ONLY. DO NOT STAMP THESE ON BACKPLANE CONNECTORS.</p> <p>8. BL-W/W-BL ETC., INDICATES PAIRED LEADS. COLOR AT LEFT OF SLASH INDICATES COLOR OF LEAD TO BE CONNECTED. COLOR AT RIGHT OF SLASH IS THE COLOR OF THE OTHER LEAD IN THE PAIR.</p> <p>9. () INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.</p> <p>10. EQL (EQUIPMENT LOCATION) SHOWN IN THE STAMPING TABLE IS IDENTIFIED AS FOLLOWS:</p> <p style="text-align: center;">(VERT) (HOR) (TERM) 119 - 042 - 300</p> <p>11. REFER TO LOCAL MANUFACTURING DOCUMENTATION FOR SPECIFICS.</p>		METRIC	TOLERANCE	ENGLISH	TOLERANCE	LENGTH	-----	LENGTH	-----	0-1 M	+/-1.5 CM	{ZERO TO 3' 4"	+/-0.5"}	1 M AND UP	+/-1.5%	{3' 4" & UP	+/-1.5%}			ROUNDED UP TO 1 CM OR 0.5".
METRIC	TOLERANCE	ENGLISH	TOLERANCE																			
LENGTH	-----	LENGTH	-----																			
0-1 M	+/-1.5 CM	{ZERO TO 3' 4"	+/-0.5"}																			
1 M AND UP	+/-1.5%	{3' 4" & UP	+/-1.5%}																			
		ROUNDED UP TO 1 CM OR 0.5".																				

SEE PROPRIETARY NOTICE ON SHEET ONE	
RT13	
5ESS SWITCHING EQUIPMENT CABLE ASSEMBLY FOR METALLIC TEST INTERCONNECTION BUS	
DWG SIZE C2	ISSUE 12
LUCENT TECHNOLOGIES INC	ED5D503-28
	SHEET D1 OF 7

ED5D503-28

STOCKLIST								STOCKLIST									
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE		ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR								SYM	NBR
1045	1,1A,2,2A,3,3A,4,4A,5,5A,6,6A,7,7A,8,8A,9,9A,10,10A,11,11A,12,12A,13,13A,14,14A,15,15A,16,16A,17,17A,18,18A,19,19A,20,20A,21,21A,22,22A,23,23A,24,24A,51,52,53,54,55,56	1	814231528	P42C152	WIRE 22BU G1W/G2W A DIMENSION = 2 FEET 0 INCH				1060	1,1A,2,2A,3,3A,4,4A,5,5A,6,6A,7,7A,8,8A,9,9A,10,10A,11,11A,12,12A,13,13A,14,14A,15,15A,16,16A,17,17A,18,18A,19,19A,20,20A,21,21A,22,22A,23,23A,24,24A,51,52,53,54,55,56	1	814231551	P42C155	WIRE 22BU BL1R/BL2R A DIMENSION = 2 FEET 0 INCH			
1050	1,1A,2,2A,3,3A,4,4A,5,5A,6,6A,7,7A,8,8A,9,9A,10,10A,11,11A,12,12A,13,13A,14,14A,15,15A,16,16A,17,17A,18,18A,19,19A,20,20A,21,21A,22,22A,23,23A,24,24A,51,52,53,54,55,56	1	814231619	P42C161	WIRE 22BU O1BK/O2BK A DIMENSION = 2 FEET 0 INCH				1065	1,1A,2,2A,3,3A,4,4A,5,5A,6,6A,7,7A,8,8A,9,9A,10,10A,11,11A,12,12A,13,13A,14,14A,15,15A,16,16A,17,17A,18,18A,19,19A,20,20A,21,21A,22,22A,23,23A,24,24A,51,52,53,54,55,56	1	814231569	P42C156	WIRE 22BU O1R/O2R A DIMENSION = 2 FEET 0 INCH			
1055	1,1A,2,2A,3,3A,4,4A,5,5A,6,6A,7,7A,8,8A,9,9A,10,10A,11,11A,12,12A,13,13A,14,14A,15,15A,16,16A,17,17A,18,18A,19,19A,20,20A,21,21A,22,22A,23,23A,24,24A,51,52,53,54,55,56	1	814231544	P42C154	WIRE 22BU S1W/S2W A DIMENSION = 2 FEET 0 INCH				1070	1,1A,2,2A,3,3A,4,4A,5,5A,6,6A,7,7A,8,8A,9,9A,10,10A,11,11A,12,12A,13,13A,14,14A,15,15A,16,16A,17,17A,18,18A,19,19A,20,20A,21,21A,22,22A,23,23A,24,24A,51,52,53,54,55,56	1	814231577	P42C157	WIRE 22BU G1R/G2R A DIMENSION = 2 FEET 0 INCH			

***** STOCKLIST CONTINUED AT RIGHT *****

STOCKLIST CONTINUED ON SHEET D3

SEE PROPRIETARY NOTICE ON SHEET ONE

RT13

5ESS SWITCHING EQUIPMENT
CABLE ASSEMBLY
FOR
METALLIC TEST
INTERCONNECTION BUS

DWG SIZE C2 ISSUE 12

ED5D503-28

LUCENT TECHNOLOGIES INC ED5D503-28

SHEET OF D2 7

STOCKLIST

ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1075	1A, 2A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 10A, 11A, 12A, 13A, 14A, 15A, 16A, 17A, 18A, 19A, 20A, 21A, 22A, 23A, 24A	2	406922286		CONNECTOR, MINI RIBBON #2-966061-4 AMP INC			
1080	1A, 2A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 10A, 11A, 12A, 13A, 14A, 15A, 16A, 17A, 18A, 19A, 20A, 21A, 22A, 23A, 24A	4	406884635		COVER, CONNECTOR #1-964393-2 AMP INC.			

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

SEE PROPRIETARY NOTICE ON SHEET ONE

RT13

5ESS SWITCHING EQUIPMENT
CABLE ASSEMBLY
FOR
METALLIC TEST
INTERCONNECTION BUS

DWG SIZE
C2

ISSUE
12

ED5D503-28

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SHEET D3
OF 7

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