

DRAWINGS MANUAL

MODEL 4012

System Interconnect Assembly

LIST OF DRAWINGS

<i>Drawing No.</i>	<i>Title</i>
AS4594	Circuit Board Component Layout
SD4594	Schematic Diagram
AS4687	Final Assembly
ILL4687	Illustration Drawing
BD4878	Block Diagram

RTS BY **TELEX**

MODEL 4012 PARTS LIST

Final Assembly Parts List, Assembly No. 9010-4687-00

(Reference Drawing AS4687 for REF numbers)

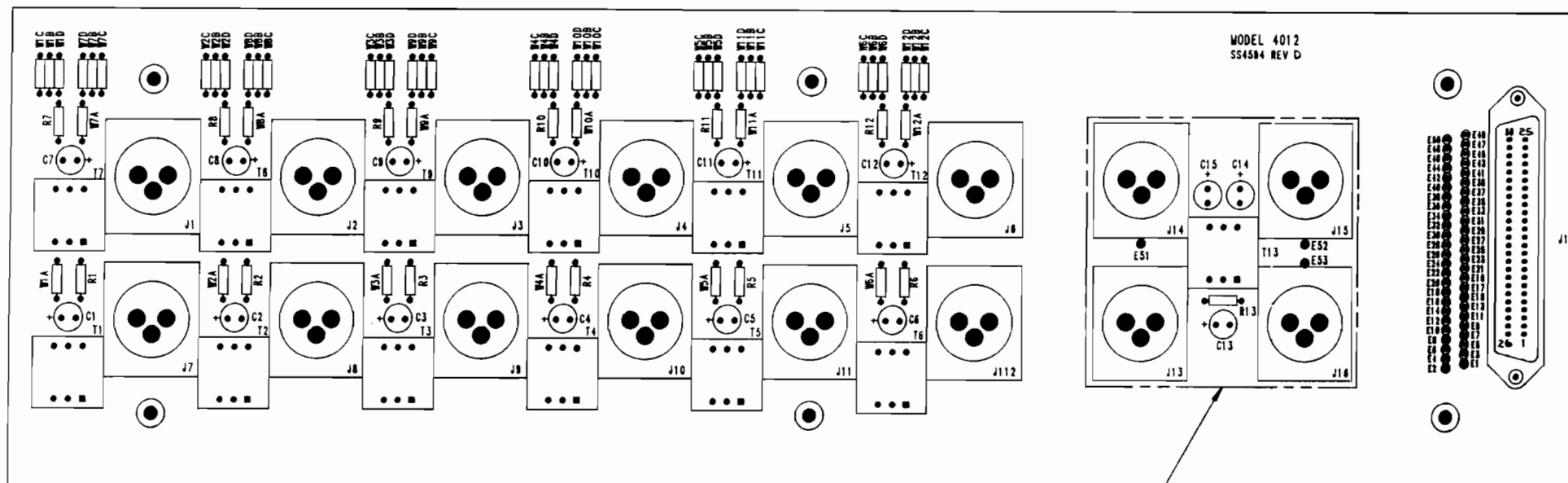
REF NO.	QTY	DESCRIPTION	RTS PART NO.
1	2	Side Rail	9100-4597-00
2	1	Back Panel	9080-4596-00
3	1	Front Panel	9070-4595-00
4	2	Cover	9100-4598-00
5	1	Bracket	9110-4620-02
6	1	Circuit Board Assy	9030-4594-00
8	6	Spacer, Hex 6-32	1001-0018-00
9	2	Thumbscrew, 6-32 x 1/2", Smith 2366	1008-6002-00
10	8	Screw, 8-32 x 5/8	1008-8032-00
11	2	Washer, Nylon	1006-0019-00
12	6	Washer, Lock	1006-0006-00
13	6	Washer, Lock	1006-0027-00

Circuit Board Assembly Parts List, Assembly No. 9030-4594-00

(Ref Drawing SD4594 for REF numbers)

REF NO.	QTY	DESCRIPTION	RTS PART NO.
C1 - C15		Capacitor, Radial Electrolytic, 22uf, 50V	1513-A108-4F
J101 - J112		Connector, 3-Pin Male XLR, Neutrik 3MPP	2018-0048-00
J113 - J116		Connector, 3-Pin Female XLR, Neutrik 3FPP	2018-0049-00
J117		Connector, 50-Pin Female, Amphenol 57-20500-31	2004-0001-00
R1 - R12		Resistor, Carbon, 200 ohm, 1/4W, 5%	1402-2000-5D
R13		Resistor, Carbon, 4.7K, 1/4W, 5%	1402-4701-5D
T1 - T13		Transformer, Audio, Bourns LM9003	2306-0001-00

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	REV & REDRAWN-ADD NOTE-FEMALE CONN.	87-4-13	
	B	REDRAWN PER ECO# 2280	11-21-88	
	C	REVISED PER ECO# 3363	3-12-91	RT-K. 12-MAR-91



FEMALE CONNECTORS

2 IN STANDARD PRODUCTION UNITS, W1A-W1ZA, W1C-W1ZC,
W1D-W1ZD ARE NOT INSTALLED.

1. FOR PART NO. & DESCRIPTION SEE SEPARATE PARTS LIST
PL 9030-4594-00.

NOTES :

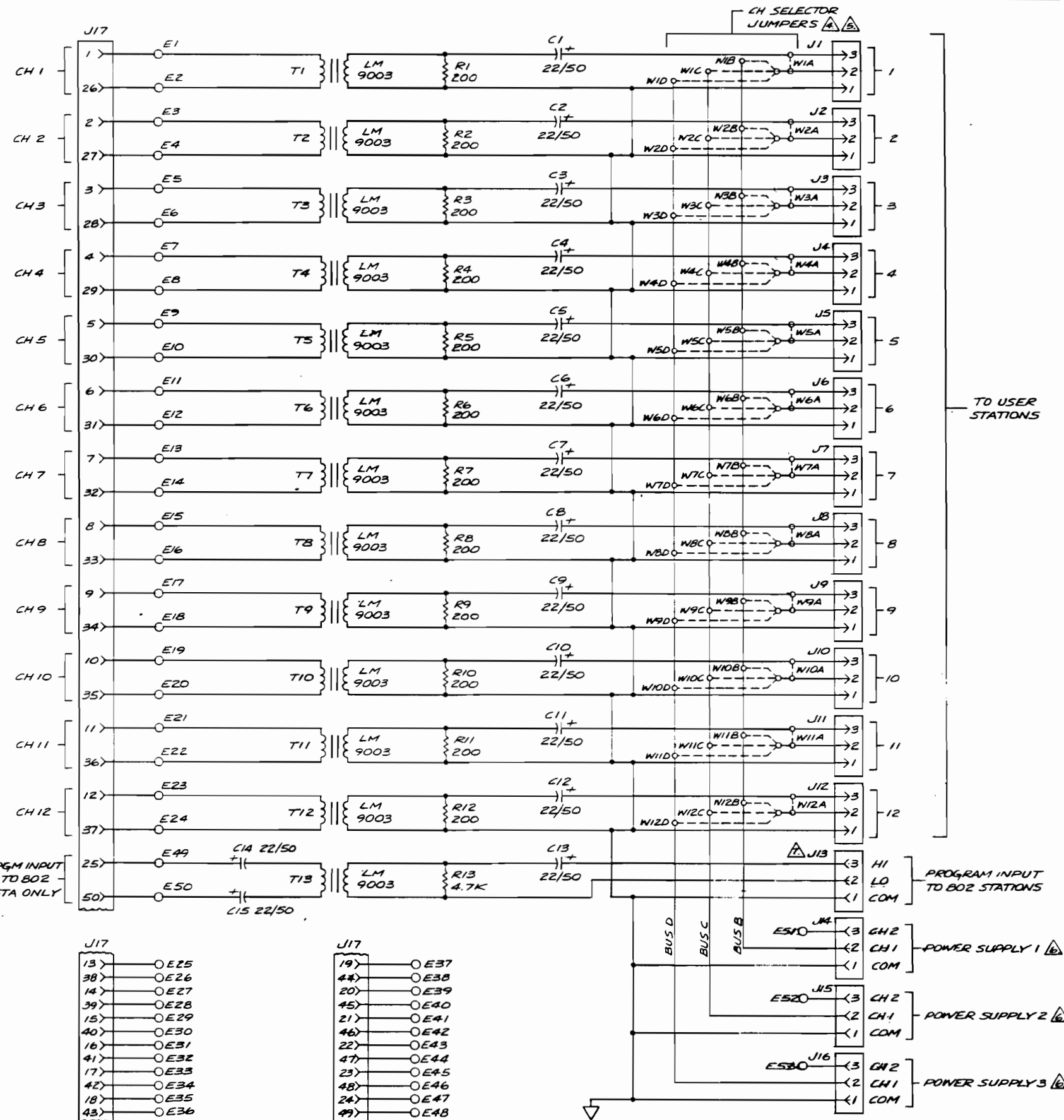
NEXT ASSY USED ON APPLICATION		UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS & BREAK SHARP EDGES HOLE TOLERANCES PER ANSI B94.11-1967, R1972 DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES $\pm 1/16$.X $\pm .06$ ± 30 .XX $\pm .03$.XXX $\pm .010$		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA ASSEMBLY, P.C.B., 4012 SPLITTER		SIZE FSCM NO. DWD. NO. REV. C 60572 AS 4594 B	
		MATERIAL		APPROVALS DATE DRAWN <i>R. NEILSON</i> 11-21-88					
		FINISH		CHECKED					
		DO NOT SCALE DRAWING		ISSUED					
				SCALE 1/1		SHEET 1 OF 1			

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A	1	CHNG J13 TO FEMALE CONN.	RB	2-7-86

TO/FROM MODEL B10
MASTER STATION J101
LINE CONNECTION

TO/FROM MODEL B02
MASTER STATION J102
LINE CONNECTION

B10/B02



NOTES: (UNLESS OTHERWISE SPECIFIED)

- ALL RESISTORS ARE CARBON FILM, 1/4 W ± 5%.
- CAPACITANCE VALUES SHOWN: MICROFARADS/VOLTS.
- CONNECTORS J1 THRU J17 ARE AS FOLLOWS:

J1-J12; XLR-3-32 TYPE

J13-J16; XLR-3-31 TYPE

J17; 50PIN RIBBON, FEMALE

JUMPER 'B' IS NORMALLY SET FOR CONNECTION TO POWER SUPPLY #1, CHANNEL 1. JUMPERS 'C' & 'D' ARE OPTIONAL CONFIGURATIONS.

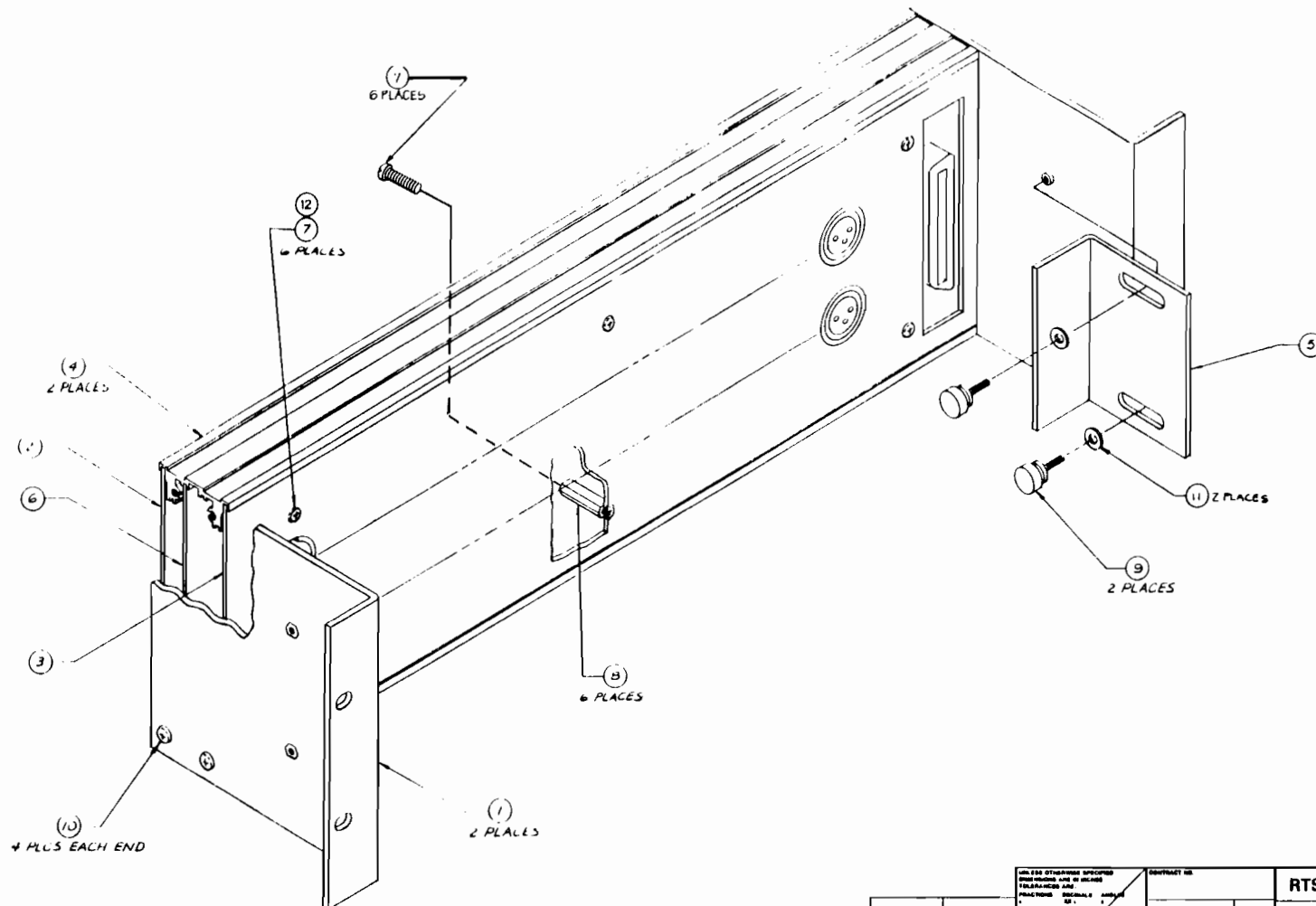
JUMPER 'A' MAY BE INSTALLED TO ALLOW FOR A SINGLE CHANNEL OPERATION, HOWEVER THE 200Ω RESISTOR MUST BE REMOVED TO AVOID DOUBLE TERMINATION.

POWER SUPPLY CONNECTIONS MAY COME FROM A SINGLE POWER SUPPLY WITH MULTIPLE CHANNEL OUTPUTS.

EARLY PRODUCTION UNITS USE A MALE XLR TYPE CONNECTOR. LATER PRODUCTION UNITS USE A FEMALE XLR TYPE CONNECTOR.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ± ± JES ± ± ±		CONTRACT NO. SERIES 800/TW INTERCOM		RTS SYSTEMS DUNSMITH, CALIFORNIA	
APPROVALS		DATE		DRAWN R. BOOTH 8/14/85	
MATERIAL		CHECKED		ISSUED	
PART NO.		REV. NO.		REV. NO.	
D 60572		SD 4594		A	
SCALE		SHEET 1			

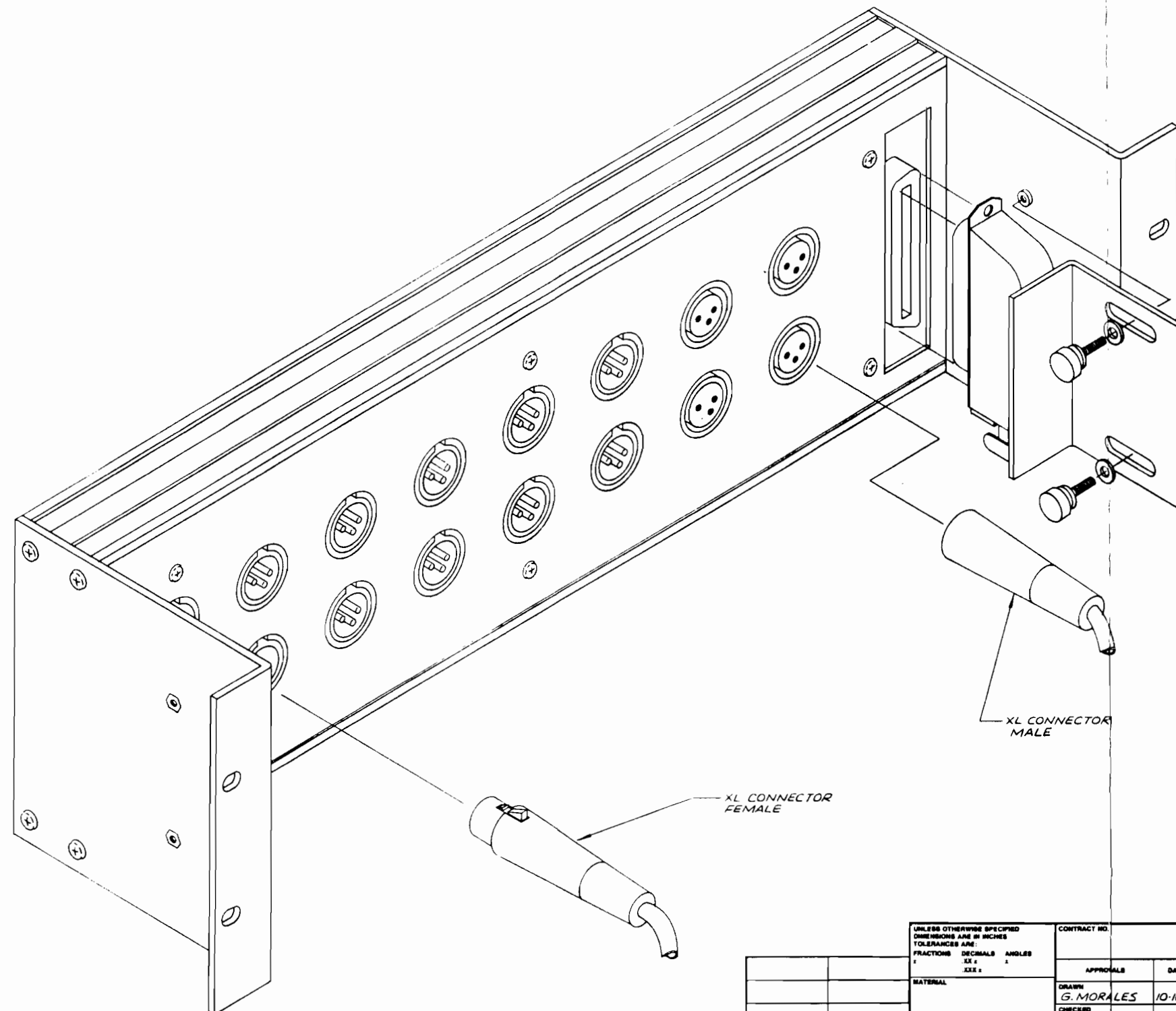
REVISED					
REV	BY	DATE	DESCRIPTION	DATE	BY
1	ADD	11/27/83	ADDED ITEMS 7 AND 8 ON 1/D		
2	PLACED	12/11/83	PLACED ITEMS 7 AND 8 ON 1/D		



FOR PART NOS AND DESCRIPTIONS SEE
SEPARATE PARTS LIST 3010-4687-00
NOTES

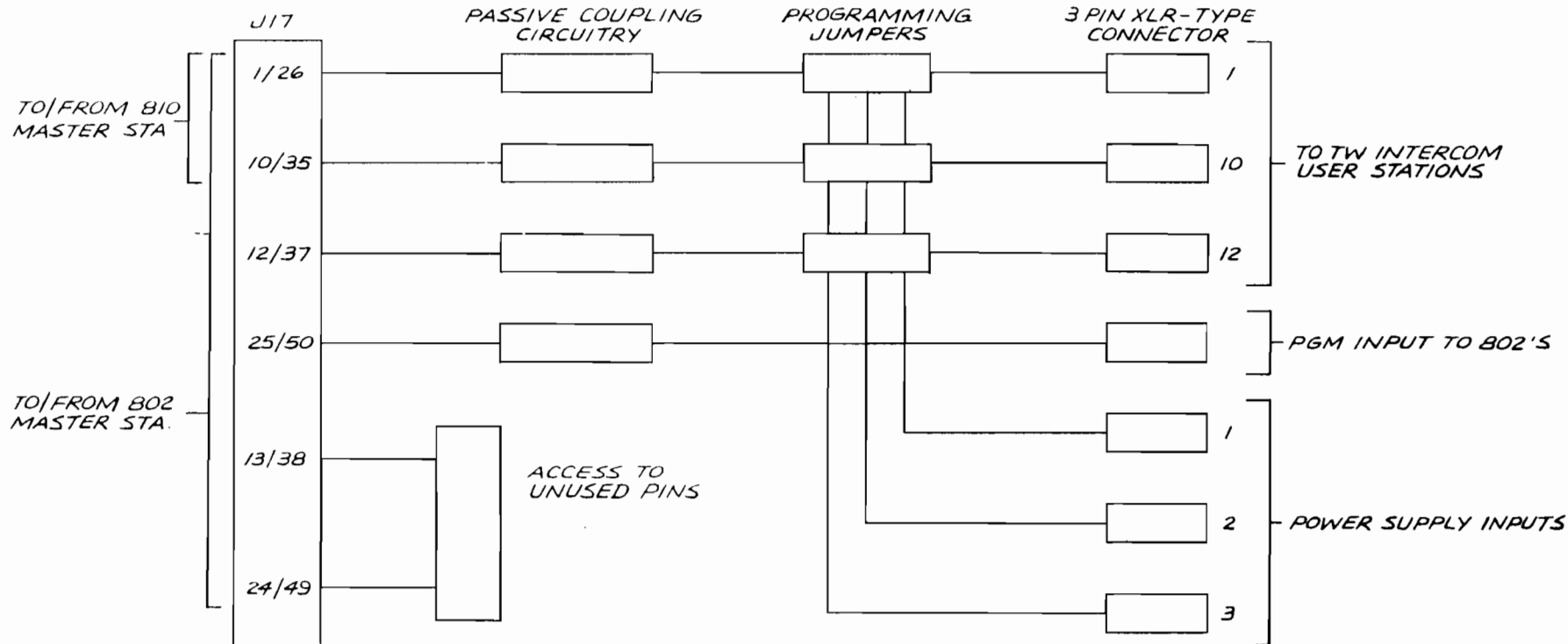
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS INCHES		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA	
APPROVALS	DATE	FINAL ASSY. 4012 SYSTEM INTERCONNECT			
BY: MORALES	12/30/83				
REVIEW					
TEST ASST	USED ON	P 60572			
APPLICATION		DO NOT SCALE DRAWING		SHEET 1 OF 1	

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	CHANGED 1 MALE CONN. TO FEMALE	4-21-87	
	B	REVISED PER ECO #3363	2PL 3-12-91	R.T.R. 12-MAR-91



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1 .XX 1/2 .XXX 1/4		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA	
		APPROVALS		DATE	
MATERIAL		DRAWN G. MORALES		10-10-88	
FINISH		CHECKED			
NEXT ASSY		USED ON		ISSUED	
APPLICATION		DO NOT SCALE DRAWING		SCALE 1:1	
SIZE		FRONT NO.		DWS. NO.	
D 60572		ILL 4687		REV 3	
SHEET					

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1/16 0.001 1/2	CONTRACT NO. SERIES 800	RTS SYSTEMS BURBANK, CALIFORNIA				
MATERIAL FINISH	APPROVALS G. MORALES	DATE 3-4-86	BLOCK DIAG. - MODEL 4012 SYSTEM INTERCONNECT			
	CHECKED		SIZE B	FSCM NO.	DWG. NO. BD4878	REV.
	ISSUED		SCALE		SHEET	
DO NOT SCALE DRAWING						