

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)

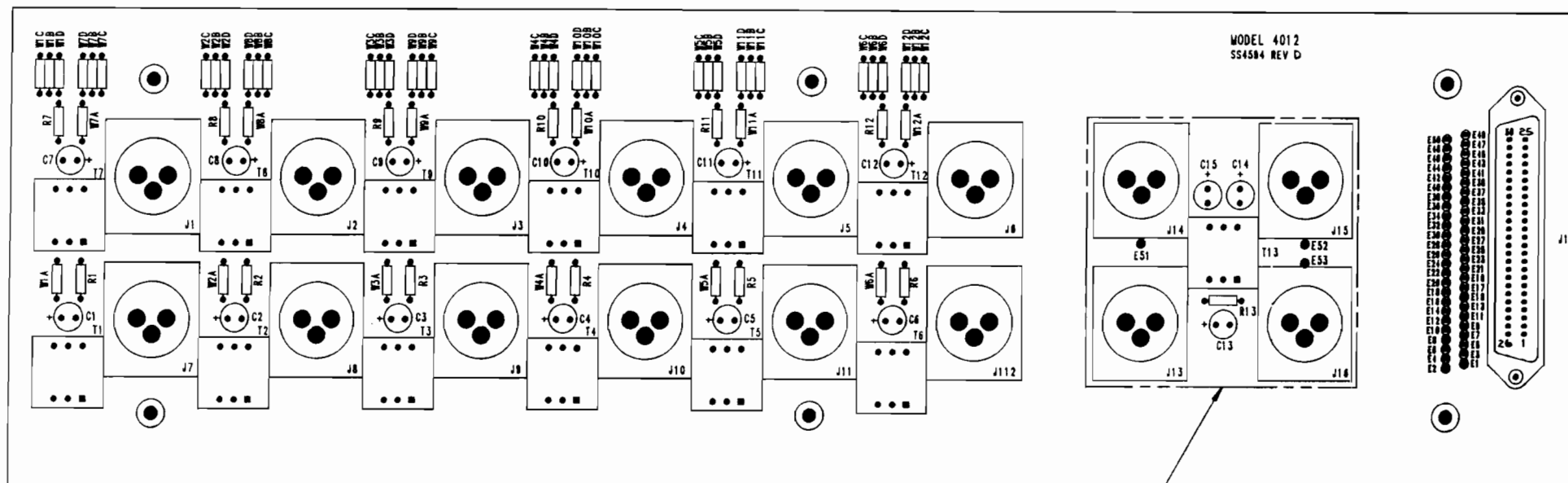
REF NO.	QTY	DESCRIPTION	RTS PART NO.
1	2	Side Rail	9100-4597-00
2	1	Back Panel	9080-4596-00
3	1	Front Panel	9070-4595-00
4	2	Cover	9100-4598-00
5	1	Bracket	9110-4620-02
6	1	Circuit Board Assy	9030-4594-00
8	6	Spacer, Hex 6-32	1001-0018-00
9	2	Thumbscrew, 6-32 x 1/2", Smith 2366	1008-6002-00
10	8	Screw,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

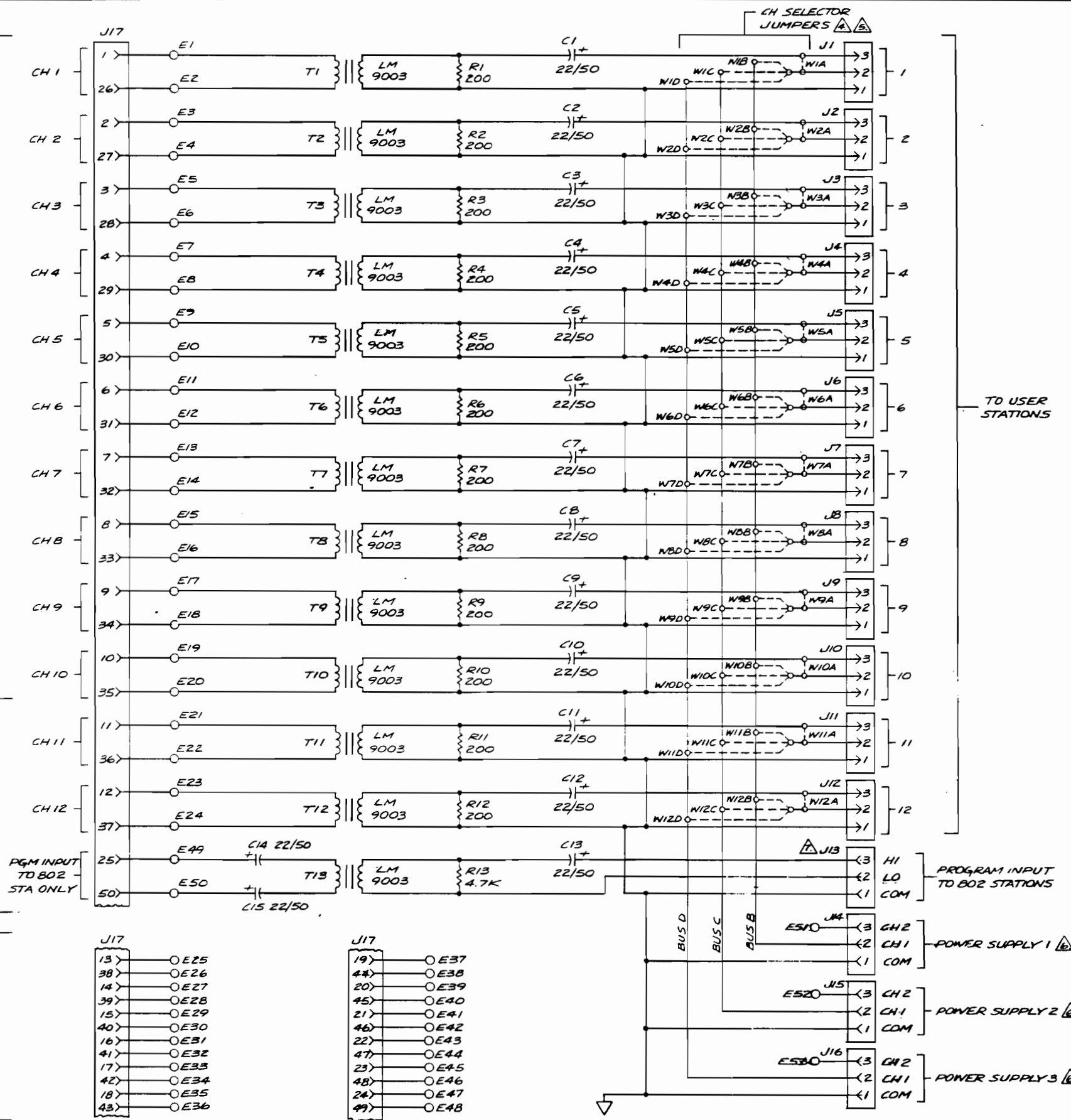
2 IN STANDARD PRODUCTION UNITS, W1A-W1ZA, W1C-W1ZC, W1D-W1ZD ARE NOT INSTALLED.

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

NOTES :

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	
		APPROVALS			
NEXT ASSY		USED ON		DRAWN R. NEILSON 11-21-88	
APPLICATION		FINISH		CHECKED	
				ISSUED	
				DO NOT SCALE DRAWING	
				SIZE C	FSCM NO. 60572
				DWG. NO. AS 4594	REV. B
				SCALE 1/1	SHEET 1 OF 1

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

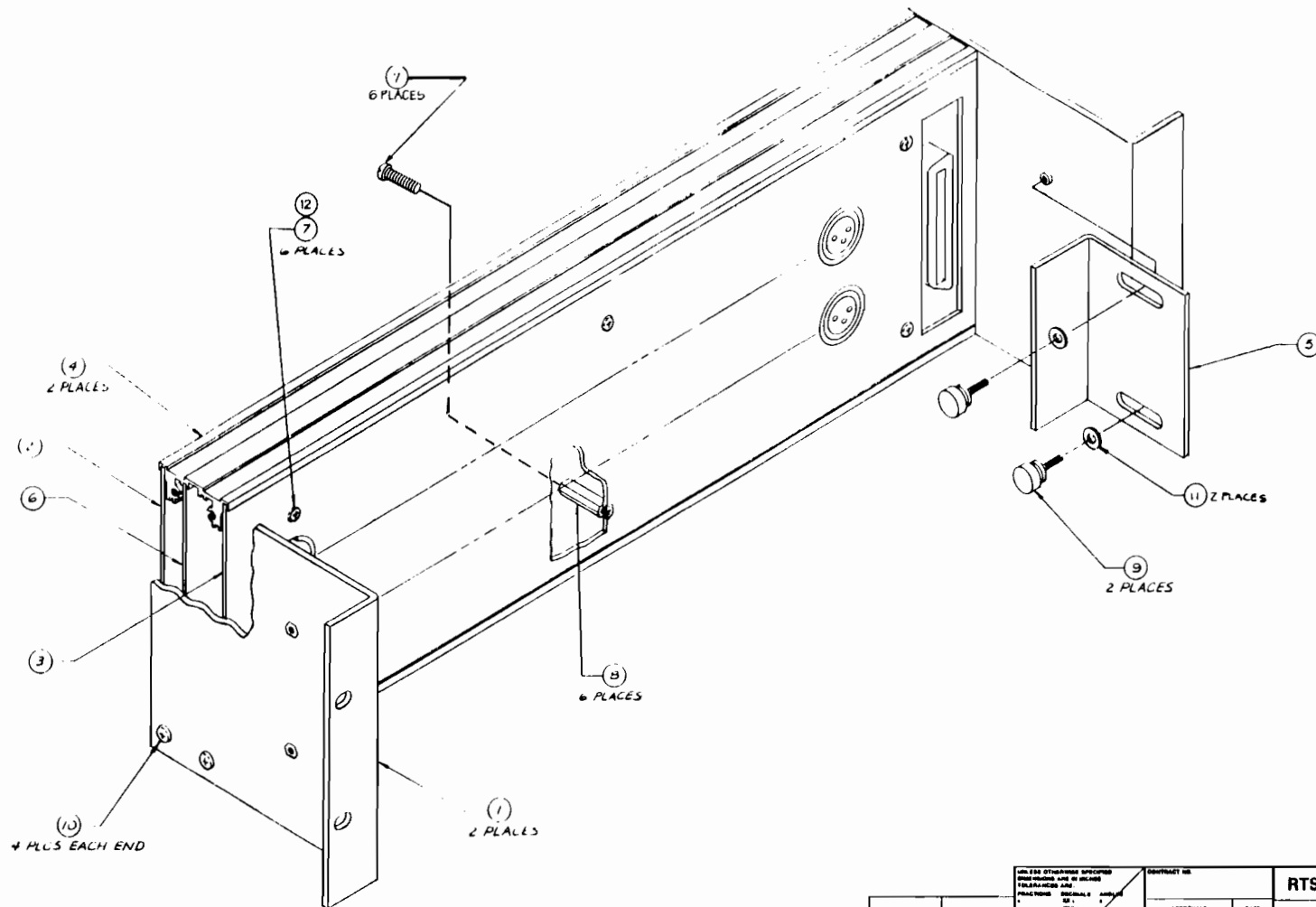


- NOTES: (UNLESS OTHERWISE SPECIFIED)
- ALL RESISTORS ARE CARBON FILM, 1/4 W ± 5%.
 - CAPACITANCE VALUES SHOWN: MICROFARADS/VOLTS.
 - CONNECTORS J1 THRU J17 ARE AS FOLLOWS:
 - J1-J12; XLR-3-32 TYPE
 - J13-J16; XLR-3-31 TYPE
 - J17; 50PIN RIBBON, FEMALE
 - JUMPER 'B' IS NORMALLY SET FOR CONNECTION TO 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:		CONTRACT NO.		SERIES 800/TW INTERCOM		RTS SYSTEMS DUNSMITH, CALIFORNIA	
FRACTIONS	DECIMALS	ANGLES	APPROVALS	DATE	SCHEMATIC DIAGRAM - SPLITTER PANEL, MODEL 4012		
1/16"	0.031"	30°	R. BOOTH	8/14/85			
MATERIAL	CHECKED	ISSUED					
DATE	DATE	DATE					
60572	SD 4594	A					

DO NOT SCALE DRAWING

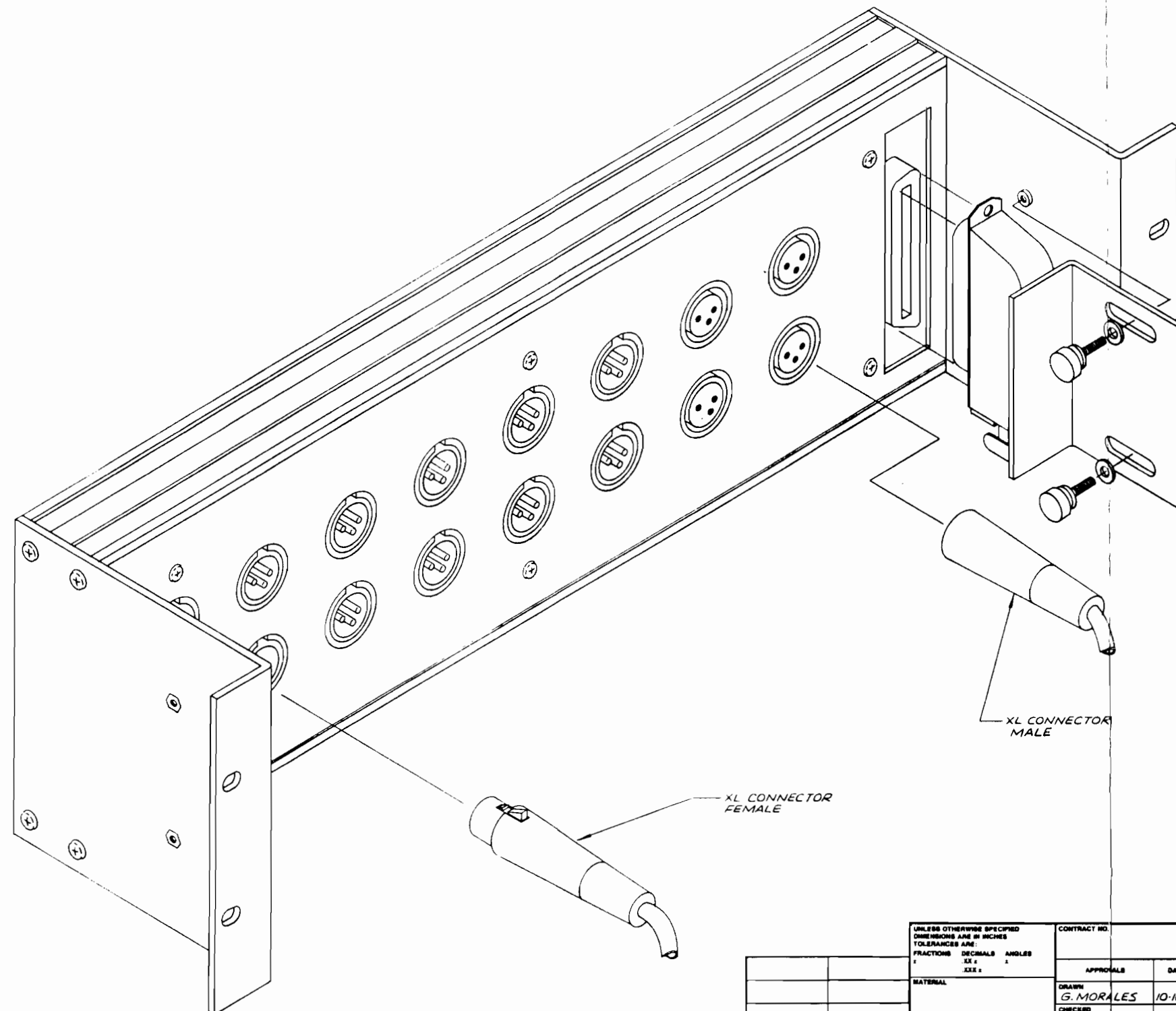
REVISIONS					
REV	DATE	DESCRIPTION	BY	CHKD	APP'D
1	1/27/83	ADDED ITEMS 7 AND 8 ON 1/D			
2	3/12/81	PLACED ITEM 11 FOR CLAMP 9			



FOR PART NOS AND DESCRIPTIONS SEE
SEPARATE PARTS LIST 3010-4607-00
NOTES

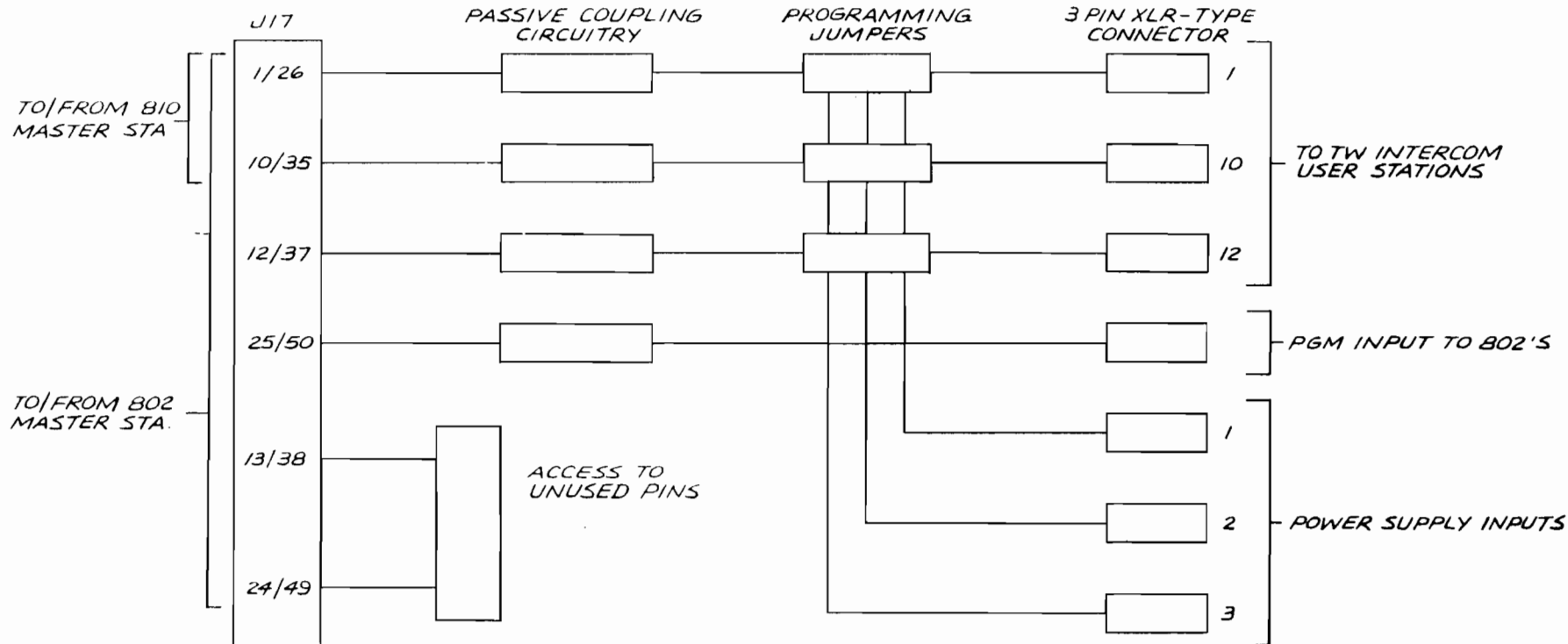
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS INCHES		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA	
APPROVALS	DATE	FINAL ASSY. 4012 SYSTEM INTERCONNECT			
BY: D. MORALES	12 30 83				
REVIEW					
TEST ASST	USED ON	P 60572			
APPLICATION		DO NOT SCALE DRAWING		SHEET 1 OF 1	

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 .XXX ±		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA	
		APPROVALS		DATE	
MATERIAL		DRAWN G. MORALES		10-10-88	
FINISH		CHECKED			
NEXT ASSY		ISSUED			
USED ON					
APPLICATION		DO NOT SCALE DRAWING			
SIZE		DWG. NO.		REV.	
D 60572		ILL 4687		3	
SCALE 1:1				SHEET	

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1/16 0.031 1/2 1/4	CONTRACT NO. SERIES 800	RTS SYSTEMS BURBANK, CALIFORNIA		
MATERIAL FURNISH	APPROVALS DRAWN G. MORALES	DATE 3-4-86	BLOCK DIAG. - MODEL 4012 SYSTEM INTERCONNECT	
	CHECKED		SIZE B	FSCM NO.
	ISSUED		DWG. NO. BD4878	REV.
DO NOT SCALE DRAWING		SCALE	SHEET	