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TECHNOLOGY GROUP

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Find the *Wavetek 753A-02* at our website: *Click HERE*

SECTION 6
TROUBLESHOOTING

6.1 FACTORY REPAIR

Wavetek maintains a factory repair department for those customers not possessing the necessary personnel or test equipment to maintain the instrument. If an instrument is returned to the factory for calibration or repair, a detailed description of the specific problem should be attached to minimize turnaround time.

Customer Service
Wavetek San Diego, Inc.
9045 Balboa Avenue
San Diego, CA 92123
Telephone: (619) 279-2200

6.2 TROUBLESHOOTING

6.2.1 Filter Troubleshooting

If your filter fails to operate when the power switch is ON, perform the following checks.

1. Verify the filter has ac power.
2. Verify the 115/230 Volt switch is in the proper position.
3. Check the fuse and if defective, replace it.
4. With the power switch ON, check continuity of the unplugged line cord with an ohmmeter.

6.2.2 Optional GPIB Interface Troubleshooting

In the event that the bus system is not performing correctly, any functional tests may be made to help locate the cause. In general, an effort should be made to reduce both the hardware and software complexity of the system to the simplest configuration which still exhibits the problem.

Since the filter was exhaustively tested prior to shipment, the probability is low that problems encountered when first setting up the system are due to hardware failures. It is more likely that some set-up parameter, device address, or software convention is causing the problem. Hardware failures are typically indicated only if the system has been successfully operating for some time and then fails with no system changes having been made.

6.2.2.1 Checklist of Set-up Problems

Before attempting diagnostic tests, the following list of common set-up errors should be checked:

1. Make sure power is applied to all units connected to the bus system. Although not true of this instrument, some units, when power is off, will load the bus and cause transmission failures.
2. Check tightness of the bus cable connectors. A connector which is not secured by the captive screws may become partially disengaged from its mating socket causing intermittent or open connections.
3. Review the address code structure of the system making sure that no two devices unintentionally share the same address code. Make sure the controller is correctly identifying each device by its respective address.
4. Make sure the cable between the filter and GPIB controller is correctly installed and locked into place at both ends.

6.2.2.2 Diagnostic Tests

Problems can generally be classified as either related to the bus system operation or to the filter operation. The controller is usually provided with some fault-indicating messages which can be useful in diagnosing bus problems.

1. Bus Testing
   The most basic bus activity is the handshake function which is required for all universal commands and data transfers. The controller will generally indicate if there is a problem in completing the handshake. If a problem exists, the offending device can be determined by connecting devices to the bus one at a time.

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Next level of activity is establishing the various devices as active listeners or talkers. Your instrument indicates its status by the green LISTEN lamp. Each bus device should respond appropriately to these universal commands and not interfere with each other. A unit-by-unit check of these operations will verify correct performance of these functions.

2. Instrument Testing
If bus activity appears normal but data is not being loaded correctly into your instrument, make sure a "CR" or "GET" command is being issued by the controller. In addition, the REMOTE lamp on the front panel of your instrument must be lit during remote transfers. If not, check that the REMOTE ENABLE line on the bus is sent active by the controller.

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SECTION 7
PARTS AND SCHEMATICS

7.1 DRAWINGS

The following assembly drawings (with parts lists) and schematics are in the arrangement shown below.

7.2 ADDENDA

Under Wavetek's product improvement program, the latest electronic designs and circuits are incorporated into each Wavetek instrument as quickly as development and testing permit. Because of the time needed to compose and print instruction manuals, it is not always possible to include the most recent changes in the initial printing. Whenever this occurs, addendum pages are prepared to summarize the changes made and are inserted immediately inside the rear cover. If no such pages exist, the manual is correct as printed.

7.3 ORDERING PARTS

When ordering spare parts, please specify part number, next higher assembly, and serial number of the instrument.

NOTE

The number etched into a PC board is the bare board part number. The assembly (board and components on the board) part number is stamped on the board. The assembly drawing number is not necessarily the assembly number. However, the assembly number and the parts list number are always the same.

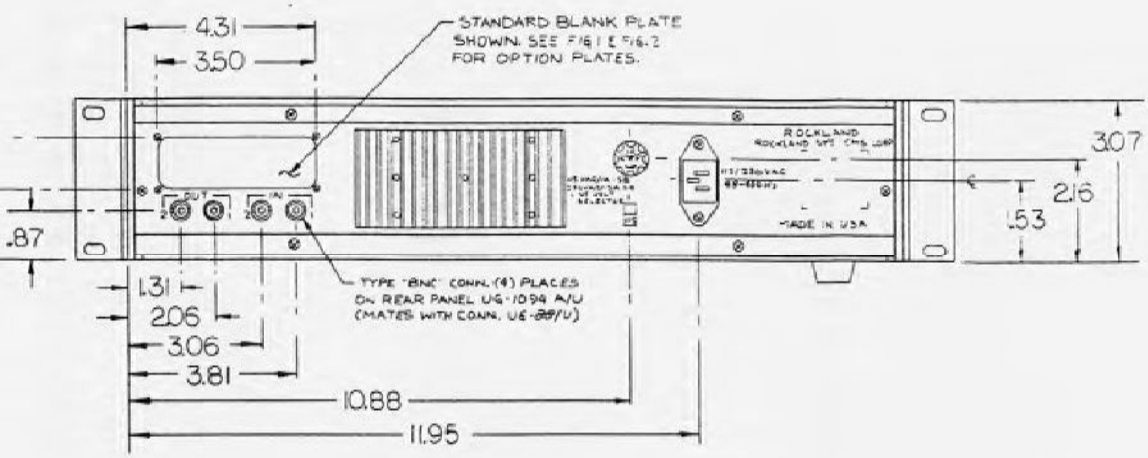
MODEL	DRAWING	DRAWING NUMBER
752A (751, 753)	751A, 752A and 753A Top Drawing	00-000-0750
751A	751A Parts List	000.0700
752A	752A Parts List	000.0750
753A	753A Parts List	000.0753
752A	Mainframe Assembly	02-002-0750
753A		02-002-0753
751A	Subassembly Parts List	002.0700
752A		002.0750
753A		002.0753
751A	Front Panel Assembly	02-001-0700
752A		02-001-0750
753A		02-001-0753
751A	Front Panel Parts List	001.0700
752A		001.0750
753A		001.0753
751A, 752A, 753A	Power Supply Schematic	03-004-0765
751A, 752A, 753A	Power Supply Assembly	02-004-0765
751A, 752A, 753A	Power Supply Parts List	004.0765
751A, 752A, 753A	Rear Panel Assembly	02-002-0785
751A, 752A, 753A	Rear Panel Parts List	002.0785

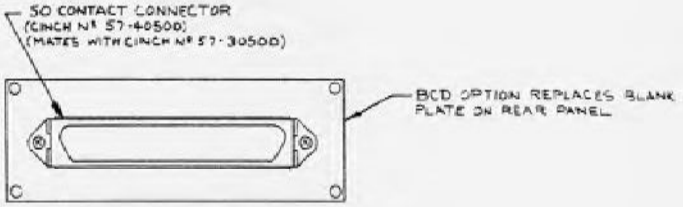
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MODEL	DRAWING	DRAWING NUMBER
751A	Mainboard HPF Schematic	03-004-0760
751A	Mainboard HPF Assembly	02-004-0760
751A	Mainboard HPF Parts List	004.0760
751A	Mainboard LPF Schematic	03-004-0755
751A	Mainboard LPF Assembly	02-004-0755
751A	Mainboard LPF Parts List	004.0755
752A	Mainboard LPF Schematic	03-004-0750
752A	Mainboard LPF Assembly	02-004-0750
752A	Mainboard LPF Parts List	004.0750
753A	Mainboard HPF Schematic	03-004-0753
753A	Mainboard HPF Assembly	02-004-0753
753A	Mainboard HPF Parts List	004.0753
751A, 752A, 753A	BCD Interface Schematic	03-004-0780
751A, 752A, 753A	BCD Interface PCB Assembly	02-004-0780
751A, 752A, 753A	BCD Interface Parts List	004.0780
751A, 752A, 753A	IEEE Option 002 Parts List	000.0785
751A, 752A, 753A	IEEE Interface Schematic	03-004-0785
751A, 752A, 753A	IEEE Interface PCB Assembly	02-004-0785
751A, 752A, 753A	IEEE Interface Parts List	004.0785
751A, 752A, 753A	IEEE Paddle Board Assembly and Parts List	009.9785

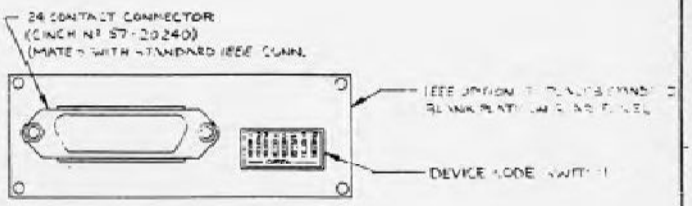
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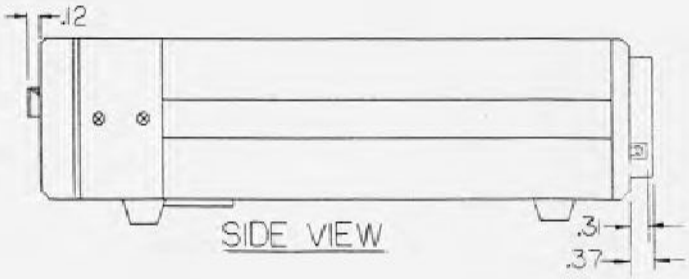




BCD OPTION
FIG.1



IEEE OPTION
FIG.2



SIDE VIEW

DRAWN BY: M. McMINN	DATE 4/16/79	ROCKLAND Rockland Systems Corporation
CHECKED BY:		Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
ENG. APPVL. [signature]	4/24/79	
MFG APPVL. [signature]	5/2/79	TITLE: OUTLINE 752A ROCKWELL PROGRAMMABLE [illegible]
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°		SIZE D; DRAWING NO. 00 000 0752; REV A; SCALE 1/2; SHEET 1 OF 1

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REV	ECN	BY	DATE	APP

PTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
Y: 751			002.0700	1
R ASSY:			002.3092	1
K MOUNT			002.3097	1
BLACK	MPV-40464-14	BUKEY	303.0101	1
COND IEC.	17250	BELDN	378.4007	1
ISTED			800.0077	1

	ASSEMBLY NO.	REV
TER	000.0700	C
	PAGE 1	

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	MAIN SUBASSY: 753			002.0753	1
NONE	BOTTOM COVER ASSY: BLACK			002.3092	1
NONE	OPT-04, RACK MOUNT KIT-FILTER			002.3097	1
NONE	COVER: TOP, BLACK	MPV-40464-14	BUKEY	303.0101	1
NONE	PWR CORD: 3 COND IEC, USA	17250	BELDN	378.4007	1
NONE	INST MANUAL: 753			800.0073	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	753 ANALOG FILTER	000.0753	C
		PAGE 1	

RIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
SSY: 752 R			002.0750	1
VER ASSY:			002.3092	1
ACK MOUNT R			002.3097	1
P, BLACK	MPV-40464-14	BUKEY	303.0101	1
3 COND IEC.	17250	BELDN	378.4007	1
AL: 752 IST			800.0073	1

	ASSEMBLY NO.	REV
LTER	000.0750	C
	PAGE 1	

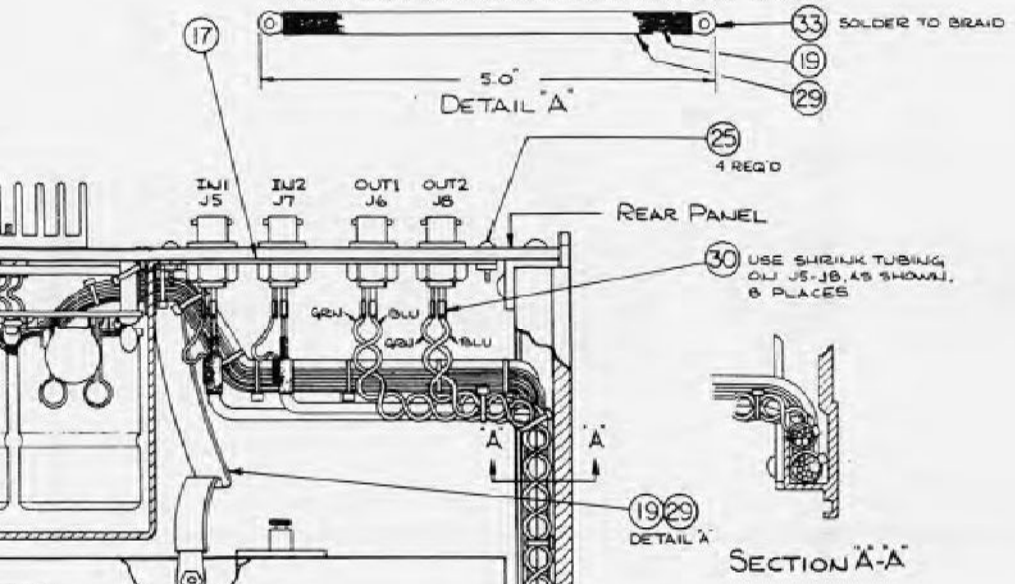
WAVETEK SAN DIEGO, CALIFORNIA

TITLE	MODEL NO.	DWG NO.	
751A, 752A & 753A	751	000.0700	C
	MODEL NO. 752	DWG NO. 000.0750	
	MODEL NO. 753	DWG NO. 000.0753	
	CODE IDENT 23338	SHEET 1 OF	

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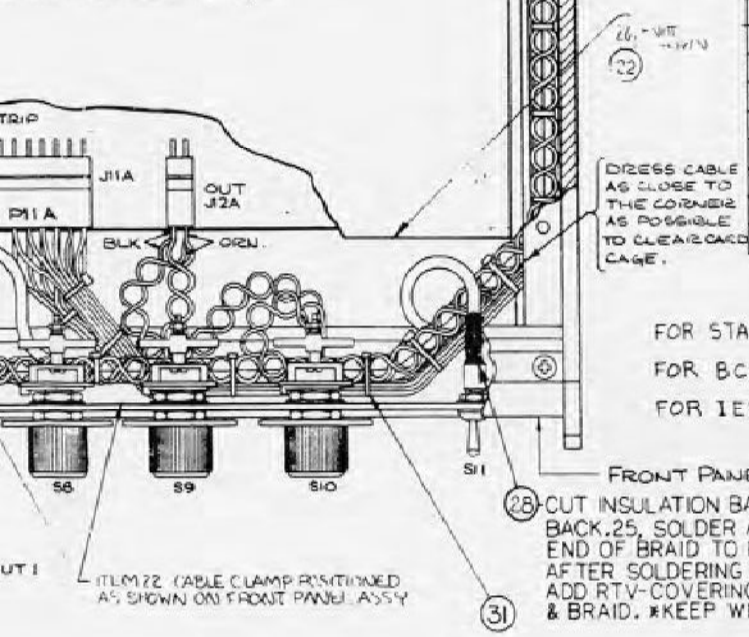
LTR	ECO NO	CHANGED BY	APPV'D BY	DATE
A	RELEASED			3-8-79
B	1074	JB 2-6-79		
C	1111	SM 4-17-8		
D	1441	JP 3-8-83		

ITEM "19 - ¼" BRAID GROUND STRAP. CONNECTED ON BOTTOM SHELF OF CARD CAGE TO BOTTOM LUG OF POWER SUPPLY COVER. COVER ENTIRE LENGTH OF STRAP WITH HEAT SHRINK TUBING, ITEM "29. NOTE: DO NOT HEAT THE SHRINK TUBING.



WIRING CHART

FROM FRONT PANEL	TO REAR PANEL	WIRE COLOR/TYPE	LENGTH (REF.)
J1-IN 1	J5-IN 1	COAX-RG174	30"
J2-OUT 1	J6-OUT 1	GRN. & BLU. TWISTED PAIR	30"
J3-IN 2	J7-IN 2	COAX-RG174	30"
J4-OUT 2	J8-OUT 2	GRN. & BLU. TWISTED PAIR	30"
S11 - LUG 2	F1-OUTER LUG	BLK. } SHIELDED CABLE	30"
S11 LUG 3	T1-LUG 1	WHT. }	
	MAINBOARD #1 (A)		
J1-2 & S1-2	J9A-IN	COAX RG174, MOLEX CONN.	11"
J2-OUT 1	J12A-OUT	BLK & ORN. TWISTED PAIR	11"
P10A (S1 SIDE)	J10A	26 CONDUCTOR CABLE	20"
P11A (POWER SUPPLY)	J11A	8 POSITION MOLEX (6 USED)	35"
	MAINBOARD #2 (B)		
J3-2 & S6-2	J9B-IN	COAX RG174, MOLEX CONN.	11"
J4-OUT 2	J12B-OUT	BLK & ORN. TWISTED PAIR	11"
P10B (S11 SIDE)	J10B	26 CONDUCTOR CABLE	20"
P11B (POWER SUPPLY)	J11B	8 POSITION MOLEX (6 USED)	35"



FOR STANDARD 752, SEE "B" SIZE CABLING DWG NO. 04-002-0750, SHEET 1.
FOR BCD OPTION, SEE "B" SIZE CABLING DWG NO. 04-002-0750, SHEET 2.
FOR IEEE OPTION, SEE "B" SIZE CABLING DWG NO. 04-002-0750, SHEET 3.

SHEET #2 IS AN "A" SIZE L/M.

DRAWN BY: JB DATE 01-16-79
CHECKED BY:
ENG. APPVL.
MFG. APPVL.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE:
.XXX ± .005
.XX ± .01
X/X ± 1/64
∠° ± 1°

ROCKLAND
Rockland Systems Corporation

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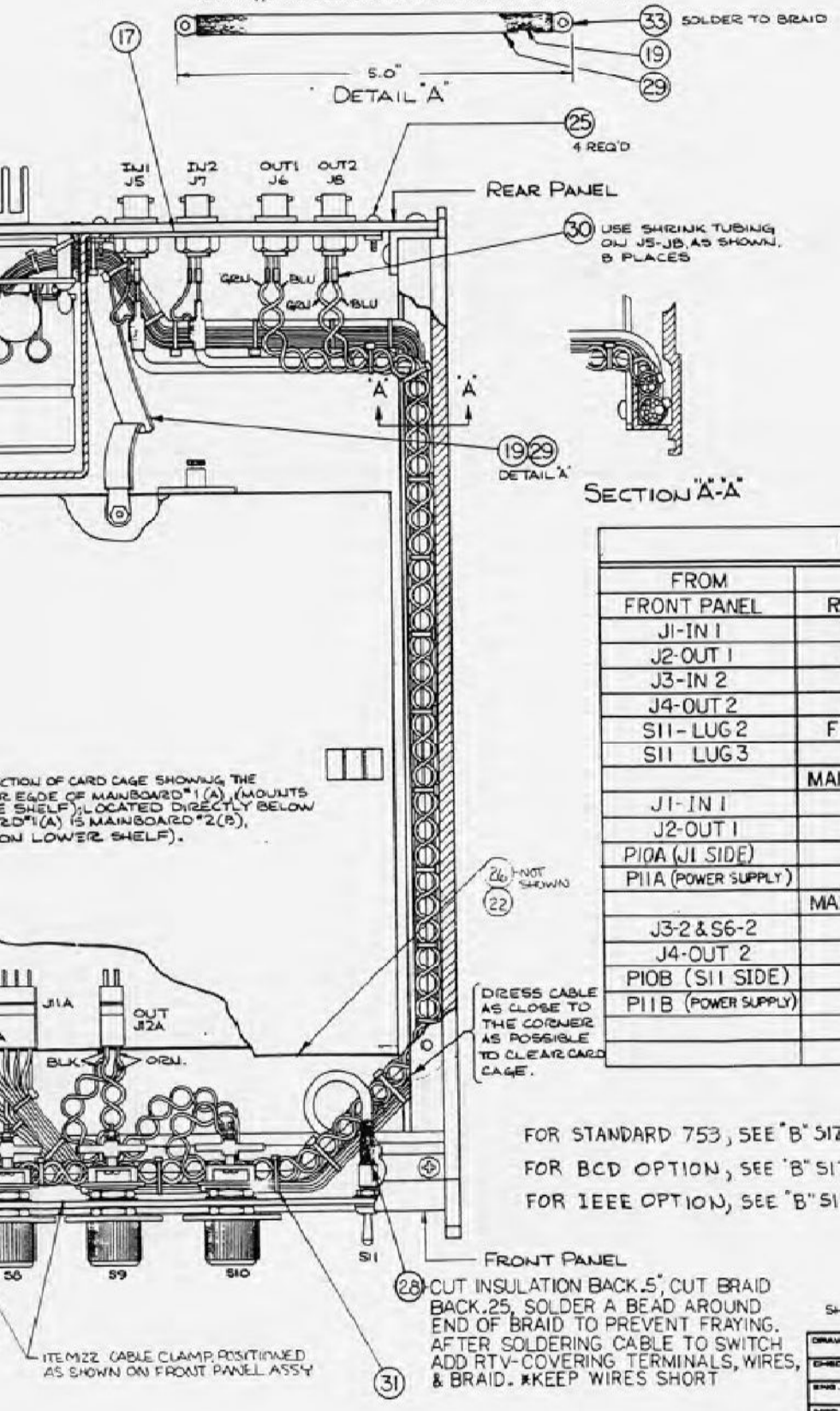
TITLE: 752A MAINFRAME ASSEMBLY

SIZE D | DRAWING NO. 02-002-0750 | REV D | SCALE FULL | SHEET 1 OF 2

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LTR	ECO NO.	CHANGED BY	APPV'D BY	DATE
A	RELEASED			3-28-19
B	[illegible]	JB 2-5-93		4-3-93

ITEM #19 - 1/4" BRAID GROUND STRAP. CONNECTED ON BOTTOM SHELF OF CARD CAGE TO BOTTOM LUG OF POWER SUPPLY COVER. COVER ENTIRE LENGTH OF STRAP WITH HEAT SHRINK TUBING, ITEM #29. NOTE: DO NOT HEAT THE SHRINK TUBING.



WIRING CHART

FROM FRONT PANEL	TO REAR PANEL	WIRE COLOR/TYPE	LENGTH (REF.)
J1-IN 1	J5-IN 1	COAX-RG174	30"
J2-OUT 1	J6-OUT 1	GRN. & BLU. TWISTED PAIR	30"
J3-IN 2	J7-IN 2	COAX-RG174	30"
J4-OUT 2	J8-OUT 2	GRN. & BLU. TWISTED PAIR	30"
S11-LUG 2	F1-OUTER LUG	BLK. WHT. SHIELDED CABLE	30"
S11 LUG 3	T1-LUG 1		
	MAINBOARD #1 (A)	H.P.	
J1-IN 1	J9A-IN	COAX RG174, MOLEX CONN.	11"
J2-OUT 1	J12A-OUT	BLK. & ORN. TWISTED PAIR	11"
P10A (J1 SIDE)	J10A	26 CONDUCTOR CABLE	20"
P11A (POWER SUPPLY)	J11A	8 POSITION MOLEX (6 USED)	35"
	MAINBOARD #2 (B)	L.P.	
J3-2 & S6-2	J9B-IN	COAX RG174, MOLEX CONN.	11"
J4-OUT 2	J12B-OUT	BLK. & ORN. TWISTED PAIR	11"
P10B (S11 SIDE)	J10B	26 CONDUCTOR CABLE	20"
P11B (POWER SUPPLY)	J11B	8 POSITION MOLEX (6 USED)	35"

FOR STANDARD 753, SEE "B" SIZE CABLING DWG. NO. 04-002-0753, SHEET 1.
FOR BCD OPTION, SEE "B" SIZE CABLING DWG. NO. 04-002-0753, SHEET 2.
FOR IEEE OPTION, SEE "B" SIZE CABLING DWG. NO. 04-002-0753, SHEET 3.

SHEET #2 IS AN "A" SIZE L/M.

DRAWN BY: JB DATE 2/26/19
CHECKED BY:
ENG. APPVL. DATE 3/27/19
MFG. APPVL. DATE 3/27/19
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°

ROCKLAND
Rockland Systems Corporation

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TITLE: 753A MAINFRAME ASSEMBLY

SIZE D | DRAWING NO. 02-002-0753 | REV B | SCALE FULL | SHEET 1 OF 2

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REV	ECN	BY	DATE	APP

ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
		001.0750	1
		002.0785	1
		004.0750	2
FSS-8660	WVTK	1400-01-8660	1
MP40375	BUKEY	303.0500	2
		303.0510	1
MP40282-1	BUKEY	303.0901	2
MP40281-1	BUKEY	303.0902	2
		303.0910	1
		304.0859	2
MP40318-4	BUKEY	307.0914	2
1416-6	SMITH	359.0006	2
FCC163	RICH	362.1606	2

ASSEMBLY NO.	REV
002.0750	D

PAGE 1

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	PANEL ASSEMBLY FRONT 753			001.0753	1
NONE	PANEL ASSY: REAR, 751/752			002.0785	1
NONE	MAINBOARD ASSY 752 (L-P/FB)			004.0750	1
NONE	MAINBOARD ASSY 753 (H-P/FB)			004.0753	1
NONE	LABEL, SERIAL NUMBER/FILTERS & SYNTHESIZERS	FSS-8660	WVTK	1400-01-8660	1
NONE	SIDE FRAME	MP40375	BUKEY	303.0500	2
NONE	CARD CAGE 751/752			303.0510	1
NONE	TRIM: FRONT SHORT	MP40282-1	BUKEY	303.0901	2
NONE	TRIM: REAR	MP40281-1	BUKEY	303.0902	2
NONE	CONN PLATE BLANKING: (751/752)			303.0910	1
NONE	SPRING: FORMED "IM" MOD 3/4"			304.0859	2
NONE	TRIM: FRONT TOP SUPR/SNUB 512	MP40318-4	BUKEY	307.0914	2

WAVETEK PARTS LIST

TITLE	ASSEMBLY NO.	REV
MAIN SUBASSY: 753	002.0753	B

PAGE 1

ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
GS2ACP	ELECT	366.1803	3.3
		376.1503	1
13SP041	MICRO	376.2110	4
SST-1-M	PANDT	377.4001	15
		378.3250	.5
		378.5520	.5
		378.5540	.4
		381.4062	4
		381.6081	4
		500.2001	.1

ASSEMBLY NO.	REV
002.0750	D

PAGE 2

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	LUG: SOLDER ANGLED #6	1416-6	SMITH	359.0006	2
NONE	CLAMP: CABLE FLAT	FCC163	RICH	362.1606	2
NONE	GROMMET STRIP: SOLID, .050	GS2ACP	ELECT	366.1803	42
NONE	SHIELD: MU-METAL 3X3X.020			376.1503	1
NONE	SPCR: NY 1/4D X 1/4L X.140ID	13SP041	MICRO	376.2110	4
NONE	TIE: CABLE NY NAT 3/4 MAX DIA	SST-1-M	PANDT	377.4001	15
NONE	BRAID: TINNED COPPER 1/4" DIA			378.3250	5
NONE	SHRINK TBG PLYFIN BLACK 1/8"			378.5520	5
NONE	SHRINK TBG PLYFIN BLACK 1/4"			378.5540	4.5000
NONE	M SCR: ST CD PH 4-40 X 3/8 PH			381.4062	4
NONE	M SCR: ST CD PHP 6-32 X 1/2 BH			381.6081	4
NONE	ADHESIVE: PASTE, CLEAR (RTV)			500.2001	0

WAVETEK PARTS LIST

TITLE	ASSEMBLY NO.	REV
MAIN SUBASSY: 753	002.0753	B

PAGE 2

WAVETEK SAN DIEGO • CALIFORNIA

TITLE: PARTS LIST MAIN SUBASSEMBLY

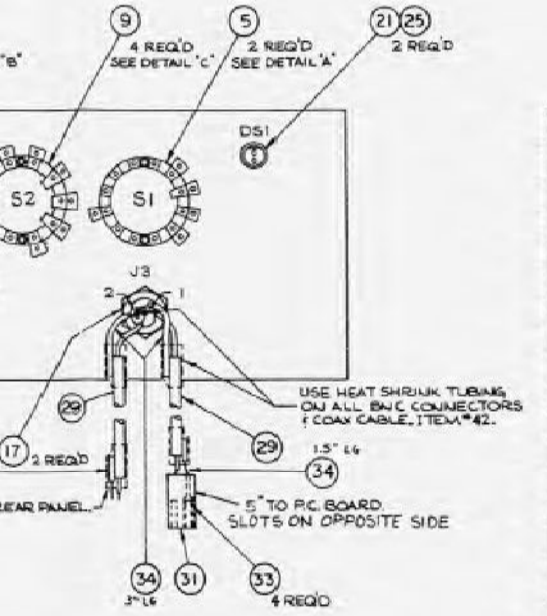
MODEL NO.	DWG NO.	REV
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753	002.0753	B

CODE IDENT 23338 | SHEET 1 OF 1

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LTR	ECO NO.	CHANGED BY	APP'D BY		DATE
A	RELEASE				
B	1071	T. H. 8-7-79		LAT	8/9/79
C	1082	JB 12-10-79		LAT	12/17/79
D	1107	JB 1-17-80		LAT	2/12/80
E	1386	M. McMinn		JV	5/4/82
F	1894	M. McMinn			9/21/84
G	2023				7/2/91



WIRING CHART

FROM	TO	COLOR	LG.	ITEM
S2-4	S1-2	ORN.	4"	36
S3-4	S2-4	ORN.	3"	36
S4-5	S3-4	ORN.	4"	36
P10A-11	S1-5	BRN.	20"	27
P10A-10	S1-1	WHT.	"	"
P10A-9	S1-3	VIO.		
P10A-22	S2-1	GRY.		
P10A-21	S2-5	BLU.		
P10A-20	S2-2	YEL.		
P10A-19	S2-3	RED		
P10A-18	S3-1	BLK.		
P10A-17	S3-5	GRY.		
P10A-16	S3-2	BLU.		
P10A-15	S3-3	YEL.		
P10A-26	S4-1	BLU.		
P10A-25	S4-2	YEL.		
P10A-24	S4-3	RED		
P10A-23	S4-4	BLK.		
P10A-5+6	S4-5	WHT+BRN		
P10A-13	DS1-C	GRN.		
P10A-12	DS1-A	ORN.		
P10A-2	SEE NOTE #1	ORN.		
P10A-1		BRN.		
P10A-3		GRN.		
P10A-4		VIO.		
P10A-7		ORN.		
P10A-8		GRN.	"	"
P10A-14		RED	20"	27
J3-1	SEE NOTE #2	COAX RG174	5"	29
J3-2		BLK.	3"	34
J3-1		COAX RG174	30"	29
J3-2		BLK.	3"	34
ITEM 29	REAR PNL	BLK.	1.5"	34
ITEM 33	ITEM 29	BLK.	1.5"	34

SHOULD BE DONE FIRST

FROM	TO	COLOR	LG.	ITEM
S6-4	S5-4	ORN.	4"	36
S7-5	S6-4	ORN.	4"	36
S8-2	S7-5	ORN.	5"	36
DS3-A	DS4-A	RED	1½"	50
P10B-22	S5-1	GRY.	20"	27
P10B-21	S5-5	BLU.	"	"
P10B-20	S5-2	YEL.		
P10B-19	S5-3	RED		
P10B-18	S6-1	BLK.		
P10B-17	S6-5	GRY.		
P10B-16	S6-2	BLU.		
P10B-15	S6-3	YEL.		
P10B-26	S7-1	BLU.		
P10B-25	S7-2	YEL.		
P10B-24	S7-3	RED		
P10B-23	S7-4	BLK.		
P10B-5+6	S8-2	WHT+BRN		
P10B-7	S8-3	ORN.		
P10B-8	S8-1	GRN.		
P10B-12	DS2-A	ORN.		
P10B-13	DS2-C	GRN.		
P10B-14	DS3-A	RED		
P10B-3	DS3-C	GRN.		
P10B-2	DS4-C	ORN.		
P10B-1	SEE NOTE #1	BRN.		
P10B-4		VIO.		
P10B-9		VIO.		
P10B-10		WHT.	"	"
P10B-11		BRN.	20"	27
J4-1	SEE NOTE #2	ORN.	5"	36
J4-2		BLK.	5"	34
J4-1		BLU.	18"	40
J4-2		GRN.	18"	38

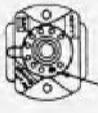
SHOULD BE DONE FIRST

DETENT DETAIL: S1

RE THE DETENT D IN 4TH SHOWN.

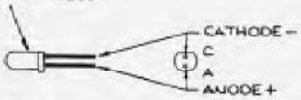
REQ'D

DETENT DETAIL: S8



MAKE SURE THE TANG OF DETENT IS PLACED IN 2ND HOLE, AS SHOWN.

GENERAL NOTE: CATHODE LEAD (-) IS ALWAYS ON FLAT SIDE OF LED.



DS1, DS2, DS3, DS4 (REF.)

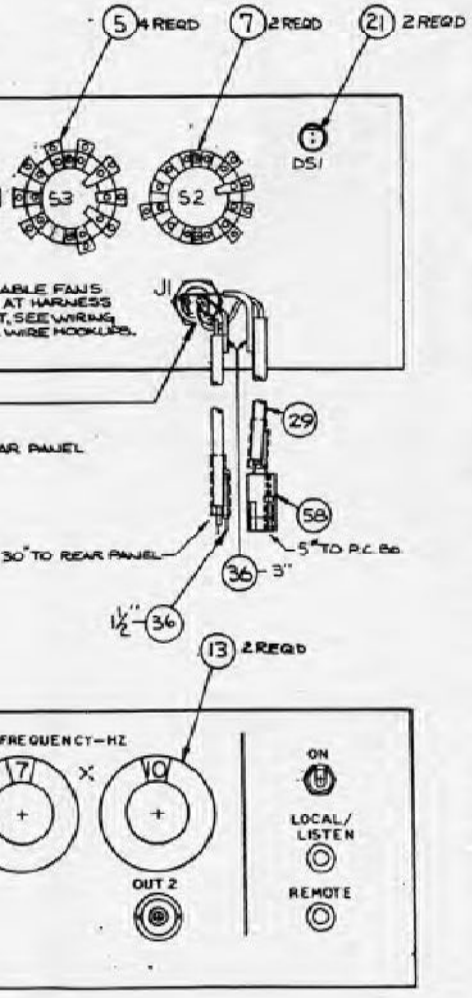
NOTES:
1- THESE WIRE LEADS ARE TO BE LEFT UNTERMINATED AND CUT OFF AS CLOSE AS POSSIBLE TO THE HARNESS BREAKOUT OF THE RIBBON CABLE.
2- WIRING TO BE COMPLETED IN NEXT ASSEMBLY LEVEL, (MAIN FRAME ASSEMBLY).
3- FINAL WIRE LENGTHS WILL BE DETERMINED IN PILOT RUN.
4- MARK CONNECTOR DESIGNATION (P10A OR P10B) ON TOP SIDE OF CONNECTOR.
SHEETS 2 & 3 ARE 'A' SIZE w/M.

DRAWN BY: JB.	DATE 01-05-79	ROCKLAND Rockland Systems Corporation
CHECKED BY:		
ENG. APPVL.	5/7/91	Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
MFG. APPVL.		
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°		TITLE: 751A FRONT PANEL ASSEMBLY
SIZE D	DRAWING NO. 02-001-0700	REV G
SCALE 1:1	SHEET 1 OF 3	

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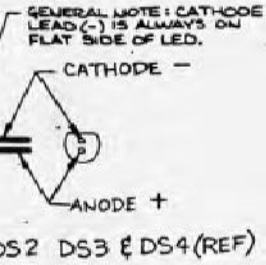
LTR	ECO NO.	CHANGED BY	APPV'D BY	DATE



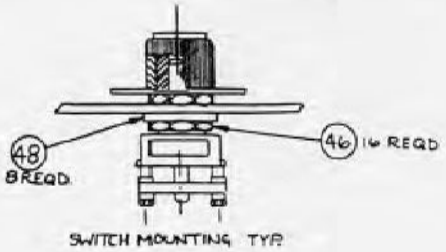
WIRING CHART

FROM	TO	COLOR	LENGTH	ITEM NO.	FROM	TO	COLOR	LENGTH	ITEM NO.
					S7-2	S8-4	ORN.	4"	38
S5-5	S4-4	ORN.	4"	38	S6-4	S9-4	ORN.	3"	38
S4-4	S3-4	ORN.	3"	38	S9-4	S10-5	ORN.	4"	38
S3-4	S2-2	ORN.	4"	38	DS4-A	DS3-A	RED.	45"	54
P10A-11	S2-5	BRN.	20"	27	P10B-11	S7-5	BRN.	20"	27
P10A-10	S2-1	WHT.	↓	↓	P10B-10	S7-1	WHT.	↓	↓
P10A-9	S2-3	VIO.			P10B-9	S7-3	VIO.		
P10A-22	S3-1	GRY.			P10B-22	S8-1	GRY.		
P10A-21	S3-5	BLU.			P10B-21	S8-5	BLU.		
P10A-20	S3-2	YEL.			P10B-20	S8-2	YEL.		
P10A-19	S3-3	RED.			P10B-19	S8-3	RED.		
P10A-18	S4-1	BLK.			P10B-18	S9-1	BLK.		
P10A-17	S4-5	GRY.			P10B-17	S9-5	GRY.		
P10A-16	S4-2	BLU.			P10B-16	S9-2	BLU.		
P10A-15	S4-3	YEL.			P10B-15	S9-3	YEL.		
P10A-26	S5-1	BLU.			P10B-26	S10-1	BLU.		
P10A-25	S5-2	YEL.			P10B-25	S10-2	YEL.		
P10A-24	S5-3	RED.			P10B-24	S10-3	RED.		
P10A-23	S5-4	BLK.			P10B-23	S10-4	BLK.		
P10A-5+6	S5-5	WHT+BRN			P10B-5+6	S10-5	WHT+BRN		
P10A-12	DS1-A	ORN.			P10B-12	DS2-A	ORN.		
P10A-13	DS1-C	GRN.			P10B-13	DS2-C	GRN.		
P10A-2	SEE NOTE*1	ORN.			P10B-14	DS4-A	RED.		
P10A-1		BRN.			P10B-3	DS3-C	GRN.		
P10A-3		GRN.			P10B-2	DS4-C	ORN.		
P10A-4		VIO.			P10B-1	SEE NOTE*1	BRN.		
P10A-7		ORN.			P10B-4		VIO.		
P10A-8		GRN.	↓	↓	P10B-7		ORN.	↓	↓
P10A-14		RED.	20"	27	P10B-8		GRN.	20"	27
REAR PANEL		BLK.	15	36					
COAX GND		BLK.	1.5	36					
	C1				S6-1	C2			
	C1				S6-3	C2			
	J1-1				S6-3	J3-1	WHT.	3"	34
J1-1	SEE NOTE*2	RG174	5"	29	S5-2	SEE NOTE*2	RG174	8"	29
J1-1		RG174	30"	29	J3-1		RG174	30"	29
J1-2		BLK.	3"	36	J3-2		BLK.	3"	36
J1-2		BLK.	3"	36	J3-2		BLK.	3"	36
J2-1		ORN.	8"	38	J4-1		ORN.	5"	38
J2-1		BLU.	25⅜"	42	J4-1		BLU.	18½"	42
J2-2		BLK.	8"	36	J4-2		BLK.	5"	36
J2-2		GRN.	25⅜"	40	J4-2		GRN.	18½"	40

GENERAL NOTE: CATHODE LEAD (-) IS ALWAYS ON FLAT SIDE OF LED.



DS2 DS3 & DS4 (REF)



SWITCH MOUNTING TYP.

NOTES:
1- THESE WIRE LEADS ARE TO BE LEFT UNTERMINATED AND CUT OFF AS CLOSE AS POSSIBLE TO THE HARNESS BREAKOUT OF THE RIBBON CABLE.
2- WIRING TO BE COMPLETED IN NEXT ASSEMBLY LEVEL, (MAIN FRAME ASSEMBLY).
3- FINAL WIRE LENGTHS WILL BE DETERMINED IN PILOT RUN.
4- MARK CONNECTOR DESIGNATION (P10A OR P10B) ON TOP SIDE OF CONNECTOR.
SHEETS 2 & 3 ARE A SIZE L/M.

DRAWN BY: M. McMINN	DATE 9/18/78
CHECKED BY:	
ENG. APPVL.	
MFG. APPVL.	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, ⅛ ± 1/64, ∠° ± 1°

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Rockland Systems Corporation

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TITLE: 753 A FRONT PANEL ASSEMBLY

SIZE	DRAWING NO.	REV
D	02 001-0753	E

SCALE: | SHEET 1 OF 2

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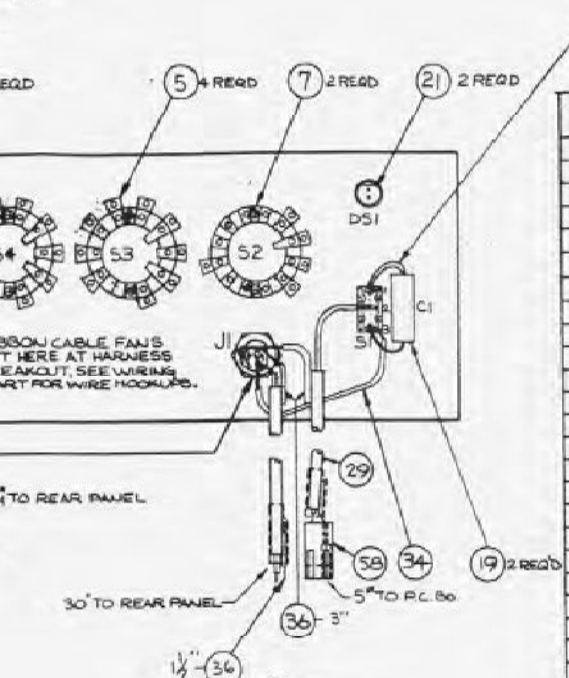
LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
A	RELEASE		BAS	LAT	1-16-79
B	1040	M. McMINN	BAS	LAT	5/9/79
C	1072	TH. 8-8-79	BAS	LAT	8/9/79
D	1082	JB 12-10-79	BAS	LAT	12/19/79
E	1105	SAM 4-7-80	BAS	LAT	4/15/80
F	1108	SAM 4-14-80	BAS	LAT	4/14/80
G	1386	M. McMINN	BAS	JV	5/9/82
H	1894	M. McMINN	BAS	JW	9/21/84
J	2124	MP 4/29/86	BAS		

P.C. BOARD
N. 310A

SEE NOTE *4

TRIP

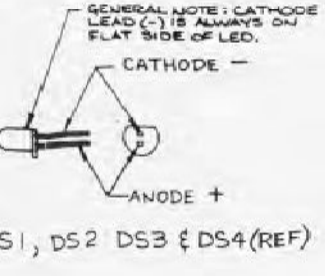
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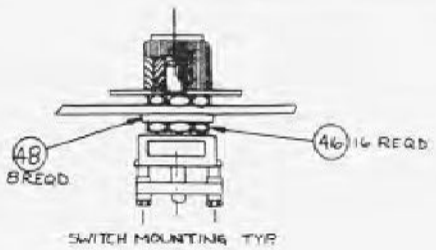
S2 & S7

WIRING CHART

FROM	TO	COLOR	LENGTH	ITEM NO.	FROM	TO	COLOR	LENGTH	ITEM NO.
					S7-2	S8-4	ORN.	4"	38
S5-5	S4-4	ORN.	4"	38	S8-4	S9-4	ORN.	3"	38
S4-4	S3-4	ORN.	3"	38	S9-4	S10-5	ORN.	4"	38
S3-4	S2-2	ORN.	4"	38	DS4-A	DS3-A	RED	45"	54
P10A-11	S2-5	BRN.	20"	27	P10B-11	S7-5	BRN.	20"	27
P10A-10	S2-1	WHT.	↓	↓	P10B-10	S7-1	WHT.	↓	↓
P10A-9	S2-3	VIO.			P10B-9	S7-3	VIO.		
P10A-22	S3-1	GRY.			P10B-22	S8-1	GRY.		
P10A-21	S3-5	BLU.			P10B-21	S8-5	BLU.		
P10A-20	S3-2	YEL.			P10B-20	S8-2	YEL.		
P10A-19	S3-3	RED.			P10B-19	S8-3	RED.		
P10A-18	S4-1	BLK.			P10B-18	S9-1	BLK.		
P10A-17	S4-5	GRY.			P10B-17	S9-5	GRY.		
P10A-16	S4-2	BLU.			P10B-16	S9-2	BLU.		
P10A-15	S4-3	YEL.			P10B-15	S9-3	YEL.		
P10A-26	S5-1	BLU.			P10B-26	S10-1	BLU.		
P10A-25	S5-2	YEL.			P10B-25	S10-2	YEL.		
P10A-24	S5-3	RED.			P10B-24	S10-3	RED.		
P10A-23	S5-4	BLK.			P10B-23	S10-4	BLK.		
P10A-5,6	S5-5	WHT/BRN			P10B-5,6	S10-5	WHT/BRN		
P10A-12	DS1-A	ORN.			P10B-12	DS2-A	ORN.		
P10A-13	DS1-C	GRN.			P10B-13	DS2-C	GRN.		
P10A-2		ORN.			P10B-14	DS4-A	RED		
P10A-1		BRN.			P10B-3	DS3-C	GRN.		
P10A-3		GRN.			P10B-2	DS4-C	ORN.		
P10A-4	SEE NOTE *1	VIO.			P10B-1		BRN.		
P10A-7		ORN.			P10B-4	SEE NOTE *1	VIO.		
P10A-8		GRN.	↓	↓	P10B-7		ORN.	↓	↓
P10A-14		RED	20"	27	P10B-8		GRN.	20"	27
REAR PANEL COAX GND		BLK	1.5	36					
		BLK	1.5	36					
S1-1	C1				S6-1	C2			
S1-3	C1				S6-3	C2			
S1-3	J1-1	WHT	3"	34	S6-3	J3-1	WHT	3"	34
S1-2		RG174	5"	29	S6-2		RG174	8"	29
J1-1		RG174	30"	29	J3-1		RG174	30"	29
J1-2		BLK	3"	36	J3-2		BLK	3"	36
J1-2	SEE NOTE *2	BLK	3"	36	J3-2	SEE NOTE *2	BLK	3"	36
J2-1		ORN	8"	38	J4-1		ORN	5"	38
J2-1		BLU	25⅜"	42	J4-1		BLU	18½"	42
J2-2		BLK	8"	36	J4-2		BLK	5"	36
J2-2		GRN	25¾"	40	J4-2		GRN	18½"	40



DS1, DS2 DS3 & DS4 (REF)



SWITCH MOUNTING TYP

NOTES:
1- THESE WIRE LEADS ARE TO BE LEFT UNTERMINATED AND CUT OFF AS CLOSE AS POSSIBLE TO THE HARNESS BREAKOUT OF THE RIBBON CABLE.
2- WIRING TO BE COMPLETED IN NEXT ASSEMBLY LEVEL, (MAIN FRAME ASSEMBLY).
3- FINAL WIRE LENGTHS WILL BE DETERMINED IN PILOT RUN.
4- WIRE CONNECTOR DESIGNATION (P10A or P10B) ON TOP SIDE OF CONNECTOR.
SHEETS 2 & 3 ARE A SIZE L/U.

DRAWN BY: M. McMINN	DATE 9/4/08	
CHECKED BY:		
ENG. APPVL. BAS		
MFG. APPVL. Louis A. Tavis	1-16-79	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°

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Rockland Systems Corporation

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TITLE: 752A FRONT PANEL ASSEMBLY

SIZE D | DRAWING NO. 02 001-0750 | REV | SCALE 1:1 | SHEET 1 OF 3

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REV	ECN	BY	DATE	APP

TION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
UF 5%	A11B474J	BISHO	105.4470	2
CD@10,	MV5054-1	MONSO	171.1600	2
CD@20	5082-4955	HP	171.1602	2
	2500-0752-02		2500-0752-01	1
752			300.0751	1
ON-ON RB	7101-SYZQ	C&K	340.1201	3
POS 36 T)	511611323-0	OAK	343.1040	2
BCD 36 DEG	512371321-A	OAK	345.1101	4
1 POS BCD	513481320-A	OAK	345.1112	2
BLKHD	31-010	AMPH	351.0006	4
E TIE	6001-12A	AUGAT	362.1607	2
TG BLK			362.2010	4
T/GRY			370.0771	2

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
C1	FX PLSTR .47UF 5% 100V	A11B474J	BISHO	105.4470	1
DS1 DS2	LED: RED, 2MCD@10, 40DVA	MV5054-1	MONSO	171.1600	2
DS3 DS4	LED: GRN, 3MCD@20 90DVA	5082-4955	HP	171.1602	2
NONE	SUPER KIT	2500-0752-02		2500-0752-01	1
NONE	FRONT PANEL: 753			300.0753	1
S11 S6	S: TOG SPDT ON-ON RB	7101-SYZQ	C&K	340.1201	2
S10 S5	S: ROT 1P 4 POS 36 DEG (751 MULT)	511611323-0	OAK	343.1040	2
S3 S4 S8 S9	S: RPT 10P BCD 36 DEG (3600)	512371321-A	OAK	345.1101	4
S2 S7	S: ROT 1P 11 POS BCD (751GAIN)	513481320-A	OAK	345.1112	2
J1 J2 J3 J4	CONN: COAX BLKHD RECPT ISOL	31-010	AMPH	351.0006	4
NONE	CLAMP: CABLE TIE	6001-12A	AUGAT	362.1607	2
NONE	CLIP: LED MTG BLK (MV)			362.2010	4
NONE	KNOB: BAR LT/GRY			370.0771	2

	ASSEMBLY NO.	REV
RONT 752	001.0750	J
	PAGE 1	

WAVETEK PARTS LIST

TITLE	ASSEMBLY NO.	REV
PANEL ASSEMBLY FRONT 753	001.0753	D
	PAGE 1	

IPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
0-9 -MK			370.0774	4
1-1K -MK			370.0777	2
AWG STR			378.1694	.6
AWG STR RED			378.1724	.15
CD 3/8-32			387.0160	16
T LK STL			388.1370	8

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
	ANALOG GAIN				
NONE	KNOB: DIAL 0-9 LT-GRY/WHT-MK			370.0774	4
NONE	KNOB: MULT 1-1K LT-GRY/WHT-MK			370.0777	2
NONE	WIRE: #22 AWG STR WHITE			378.1694	.25
NONE	WIRE: #24 AWG STR RED			378.1724	.15
NONE	NUT: HX ST CD 3/8-32 X 1/2AF			387.0160	16
NONE	WASHER: INT LK STL CAD 3/8			388.1370	8

	ASSEMBLY NO.	REV
FRONT 752	001.0750	J
	PAGE 2	

WAVETEK PARTS LIST

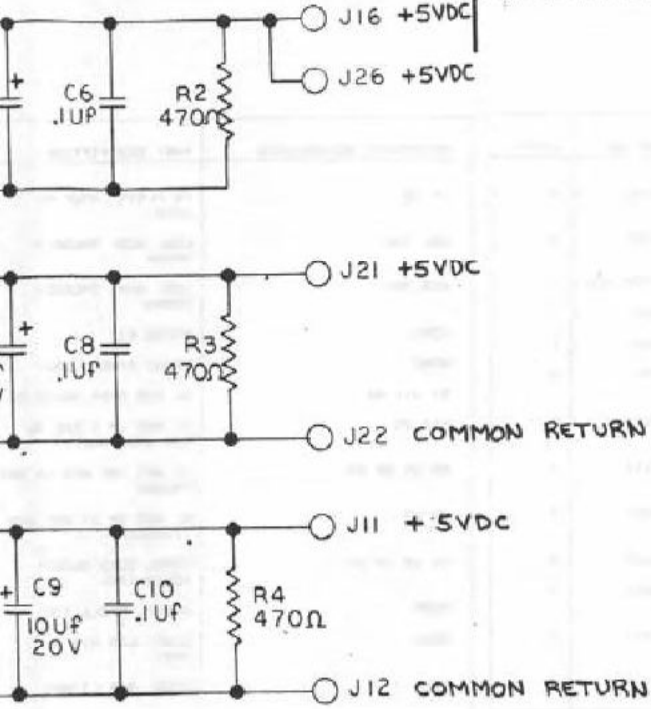
TITLE	ASSEMBLY NO.	REV
PANEL ASSEMBLY FRONT 753	001.0753	D
	PAGE 2	

WAVETEK SAN DIEGO • CALIFORNIA

TITLE	MODEL NO.	DWG NO.	REV
PARTS LIST FRONT PANEL ASSEMBLY	751	001.0700	G
	MODEL NO. 75[illegible]	DWG NO. 001.0750	REV J
	MODEL NO. 753	DWG NO. 001.0753	REV D
	CODE IDENT 23338	SHEET 1 OF 1	

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LTR	ECO NO.	CHANGED BY	APPV'D BY	DATE
A	RELEASE		RAL L.A.T.	1-11-79



J14 +15 VDC

C11 10uF 20V

J15 COMMON RETURN

C12 10uF 20V

J13 −15VDC

J24 +15VDC

C13 10uF 20V

J25

COMMON RETURN

C14 10uF 20V

J23 −15VDC

DRAWN BY: T. H	DATE 8/7/78	ROCKLAND Rockland Systems Corporation
CHECKED BY:		
ENG. APPVL.: R&C	W.W.D.	Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
MFG. APPVL.: Louis A. Tang	1-11-79	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE:
.XXX ±
.XX ±
X/X ± 1/64
∠° ± 1°

TITLE: SCHEMATIC POWER SUPPLY 751, 752

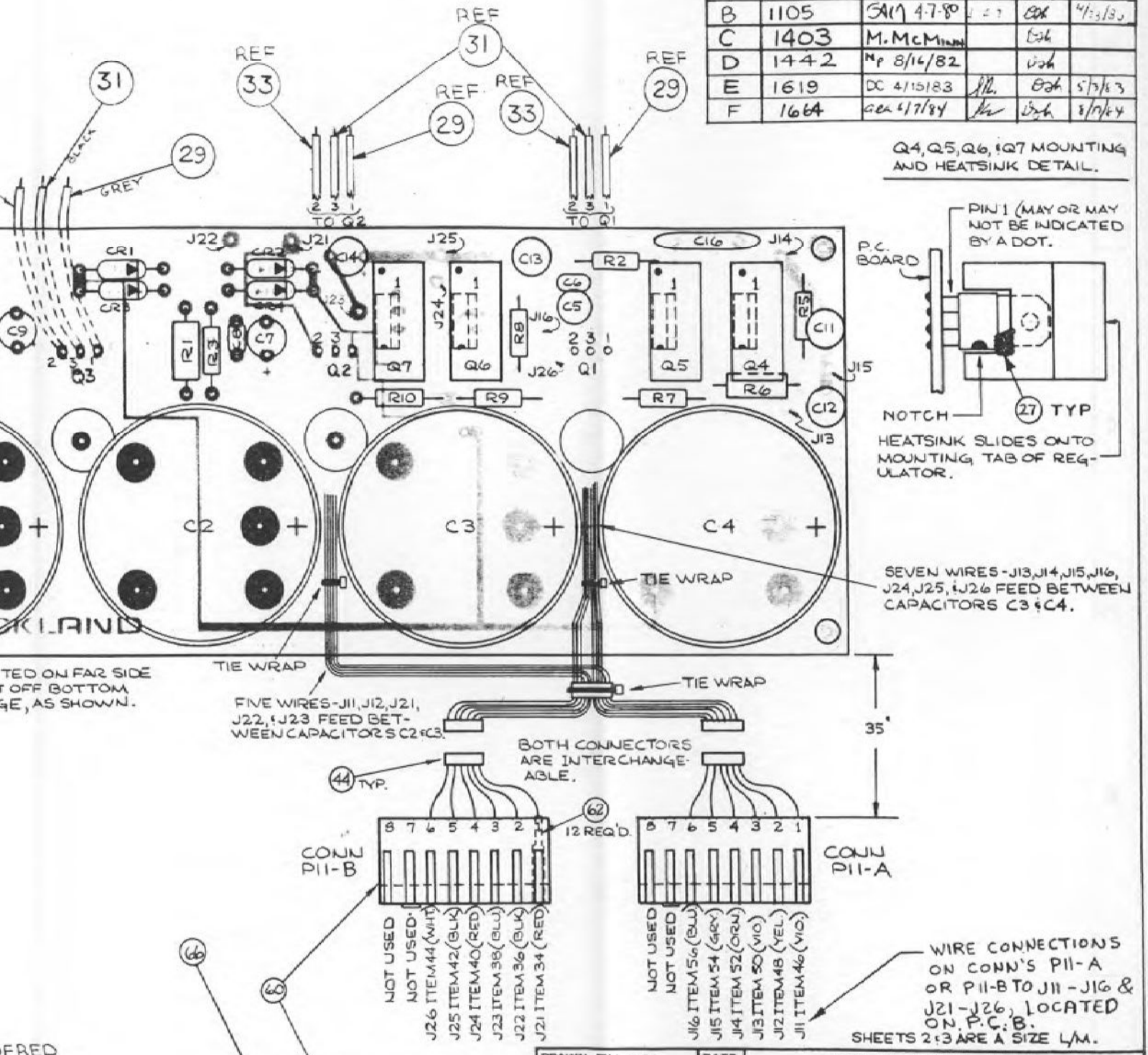
SIZE	DRAWING NO.	REV
C	03 004-0765	A

SCALE ~ SHEET 1 OF 1

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LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
A	RELEASE		L.A.T		1-2-79
B	1105	SAM 4-7-80			4/7/80
C	1403	M. McMinn			
D	1442	MP 8/16/82			
E	1619	DC 4/15/83			5/3/83
F	1664	GEA 4/7/84			8/7/84

Q4, Q5, Q6, & Q7 MOUNTING AND HEATSINK DETAIL.



TED ON FAR SIDE
T OFF BOTTOM
GE, AS SHOWN.

DERED
M
AS

DRAWN BY: JB	DATE: 12-5-78	ROCKLAND Rockland Systems Corporation
CHECKED BY:		
ENG APPVL: R.C.	1/12/79	Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
MFG APPVL: L.A. Taub	1-2-79	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE:
.XXX ± .005
.XX ± .01
X/x ± 1/64
∠° ± 1°

TITLE: POWER SUPPLY ASSEMBLY 751, 752, 753

SIZE	DRAWING NO	REV
C	02-004-0765	F
SCALE 2:1	SHEET 1 OF 3	

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REV	ECN	BY	DATE	APP

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	FX CER .01UF 6MV 1KV	DD-103	CRL	100.3100	1
NONE	FX MOND 0.1UF 50V Z5U	SR215E104ZAT	AVX	100.4102	1
NONE	FX PLSTR .10UF 10% 600V	DMT6P1	C-D	105.4100	1
NONE	FX TANT 10UF 20% 20V	T368B106M025AS	KEMET	109.6100	1
NONE	FX ELECT 3000UF 50V (PC)	3487AE332H050KM	MEPCO	109.8300	1
NONE	FX ELECT 10000UF 15V (PC)	3487BD103M016KM	MEPCO	109.9100	1
NONE	RES. FX MFLM 7.30K 1% 1/8W TO	CR125	CTLRE	111.7300	1
NONE	RES.FX MFLM 10.0K 1% 1/10W T2	RN55C1002F	UMCEM	112.1001	1
NONE	RES.FX MFLM 12.7K 1% 1/10W T2	RN55C1272F	UMCEM	112.1271	1
NONE	RES.FX CFLM 470 OHM 5% 1/4W			116.1471	1
NONE	RES.FX COMP 470 OHM 5% 1/2W			116.1472	1
NONE	Q: P.V. REG 4 TERM ADJ. 500MA	UA78M05UC	SCHEL	120.0601	1

WAVETEK PARTS LIST

TITLE: POWER SUPPLY ASSY 751/752

ASSEMBLY NO. 004.0765

REV F

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	Q: N.V. REG 4 TERM ADJ. 500MA	UA79M05UC	SCHEL	120.0002	1
NONE	ASSY. PC BD PREPPED 751-0765	751-2449	WVTK	1208-00-2449	1
NONE	SIL RECT 50PIV 1A (1N4001)			130.0110	1
NONE	S: SLIDE DPDT (115/230, PC MT)	11A-1388	SWCFT	342.2203	1
NONE	HEAT SINK: TO-202 CLIP (6047PB	6047PB	THERM	367.0410	4
NONE	WIRE: #22 AWG STR BLACK			378.1604	.9
NONE	WIRE: #22 AWG STR RED			378.1624	.9
NONE	WIRE: #22 AWG STR GRY			378.1684	.9
NONE	ADHESIVE: PASTE, CLEAR (RTV)			500.2001	1

WAVETEK PARTS LIST

TITLE: POWER SUPPLY ASSY 751/752

ASSEMBLY NO. 004.0765

REV F

REMOVE ALL BURRS AND BREAK SHARP EDGES

MATERIAL

FINISH: WAVETEK PROCESS

DRAWN | DATE

PROJ ENGR

RELEASE APPROV

TOLERANCE UNLESS OTHERWISE SPECIFIED: XXX ± .010 ANGLES ± 1 XX ± .030

DO NOT SCALE DWG

SCALE

WAVETEK SAN DIEGO, CALIFORNIA

TITLE: PARTS LIST POWER SUPPLY ASSY

MODEL NO: 751/752/753

DWG NO: 004.0765

REV: F

CODE IDENT: 23338

SHEET 1 OF 1

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ZONE	LTR	ECO NO.	CHANGED BY	APPVD BY	DATE
F	A	RELEASE			1-3-79
G	B	1073	TN-8-7-79	LAT	8-7-79
H	C	1105	SAMA 7-7-80	LAT	7/14/80
	D	1109	SAMA 21-80	LAT	7/23/80
	E	1202	DP 7-31-81	LAT	10-22-81

WIRING CHART "A"

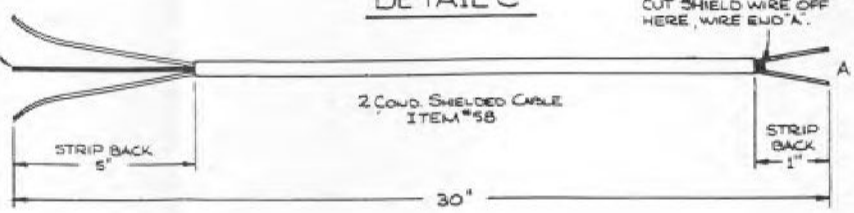
FROM P.C. BOARD	TO TRANSFORMER	LENGTH	ITEM
T1	LUG 1	8½"	44
T2	LUG 2	8½"	46
T3	LUG 3	8½"	44
T4	LUG 4	8½"	46
T5	LUG 5	11"	48
T6	LUG 6	12"	48
T7	LUG 7	8"	50
T8	LUG 8	9"	52
T9	LUG 9	10"	50
LFI-LUG 1	FI CENTER LUG	6½"	44
LFI-LUG 2	TRANS. LUG 4	7⅛"	46
LFI-LUG 3	CHASSIS LUG	END "B" - 5" SHIELD (CUT BACK)	58
FI OUTER LUG	SW-LUG 2 (FRONT PANEL) (BLK)	30"	58
TRANS LUG 1	SW-LUG 3 (") (WHT)	30"	58

SEE DETAIL "C" FOR DETAIL OF 2 COND. SHIELDED CABLE, ITEM "58".

RUN SHIELD THRU CHASSIS LUG TO LFI-3, SOLDER BOTH POINTS & CUT OFF EXCESS.

DETAIL "C"

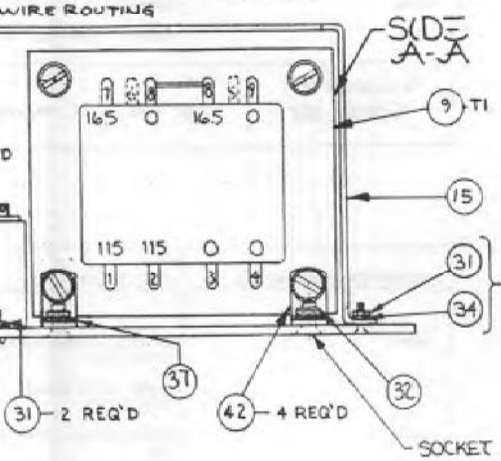
THIS END IS TO BE WIRED TO SWITCH, SW ON THE FRONT PANEL. ASSEMBLE LATER. CUT SHIELD WIRE OFF HERE, WIRE END "A".



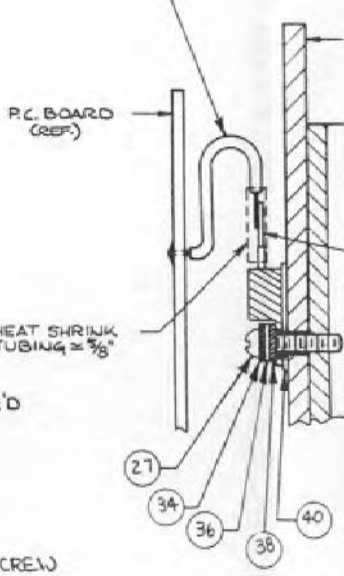
...IL "D" & WIRE CHART "B" FOR ...F BRI, Q1, Q2 & Q3.

SEE WIRE CHART "C"

...OR POINT TO POINT CONNECTIONS ...WIRE ROUTING

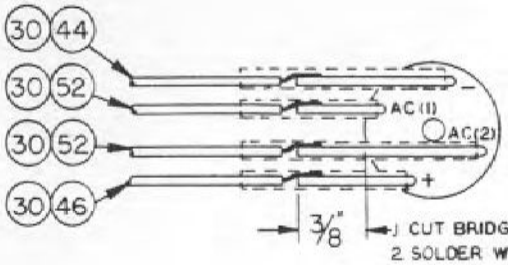


...2 REQ'D



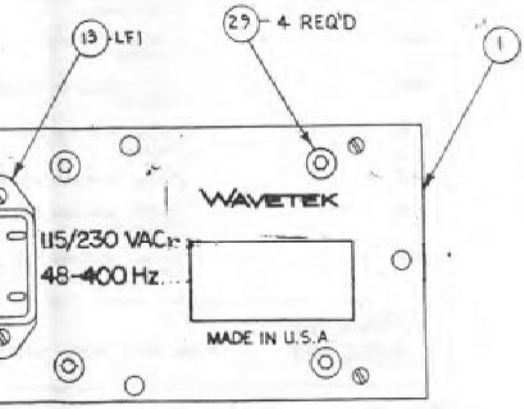
DETAIL "B"

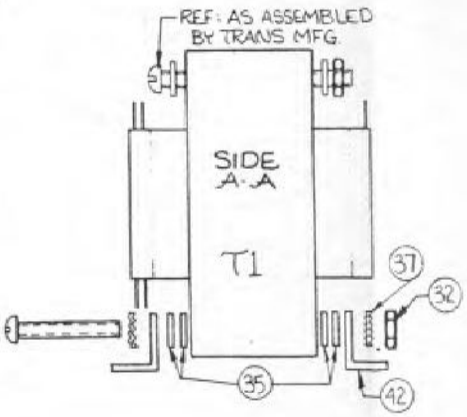
CUT REGULATOR TERMINALS ≈ ½" FROM BODY AND ATTACH WIRES TO REGULATOR TERMINALS AS SHOWN.



DETAIL "D"

1. CUT BRIDGE TERMINALS,
2. SOLDER WIRE TO BRIDGE TERMINALS
3. COVER WITH SHRINK TUBING AS SHOWN.





NOTE:
1. USE SHRINK TUBING ON ALL EXPOSED LUGS EXCEPT ITEM "17" AND LFI-3. (SHIELD WIRE OF "B" END OF ITEM "58")

...CHART "C"

TO ...BD	COLOR
...1-1	GRAY
...1-2	RED
...1-3	BLACK
...2-1	GRAY
...2-2	RED

WIRE CHART "C"

FROM	TO	COLOR
REAR PANEL	P.C. BD	
Q2-3	Q2-3	BLACK
Q3-1	Q3-1	GRAY
Q3-2	Q3-2	RED
Q3-3	Q3-3	BLACK

SHEETS 2 & 3 ARE "A" SIZE L/M.

DRAWN BY: JB	DATE 12-6-78	ROCKLAND Rockland Systems Corporation
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ENG. APPVL.	1-3-79	
MFG. APPVL.	1-3-79	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, ⅛ ± 1/64, ∠° ± 1°		TITLE: REAR PANEL ASST 751, 752, 753
		SIZE D — DRAWING NO. 02 002-0785 — REV H — SCALE — SHEET 1 OF 3

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REV	ECN	BY	DATE	APP

CRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
E WAVE LOAD	751-2448	WVTK	1208-00-2448	1
DPDT , PC MT)	11A-1388	SWCFT	342.2203	1
K: TO-202 47PB	6047PB	THERM	367.0410	1
2 AWG STR			378.1604	1
2 AWG STR RED			378.1624	1
2 AWG STR GRY			378.1684	1
: PASTE, TV)			500.2001	1
REG 5V 1A	LM7805CT	NSC	120.0052	1
100PIV 10A			130.1540	1
POWER LINE 3A	3EF1	CORCM	165.3001	1
0 1A SB 250V	313001	LITFU	165.4002	1
R DUAL PRI			177.3005	1
	BS1947F015	HOT	2800-11-0015	1
EAR 751/752			303.0630	1

REAR. 751/752	ASSEMBLY NO. 002.0785	REV H

PAGE 1

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	WIRE: #18 AWG STR WHITE			378.1494	1
NONE	SHRINK TBG PLYFIN BLACK 3/4"			378.3620	1
NONE	M SCR: ST CD PHP 4-40X3/4 PH			381.4122	1
NONE	M SCR: ST CD PH 6-32 X 3/8 PH			381.6062	1
NONE	M SCR: SS PHP 4-40 X 7/16 PH			385.4072	1
NONE	M SCR: SS PHP 4-40X7/16 100FH			385.4074	1
NONE	SKT CSCR: BLK 6-32X3/8 82FH			386.6061	1
NONE	NUT: HX ST CD 4-40 X 1/4AF			387.4080	1
NONE	NUT: HX ST CD 6-32 X 1/4AF			387.6080	1
NONE	WASHER: FLAT STL CAD #4			388.0040	1
NONE	WASHER: FLAT STL CAD #6			388.0060	1

WAVETEK PARTS LIST	TITLE: PANEL ASSY: REAR. 751/752	ASSEMBLY NO. 002.0785	REV H

PAGE 3

SCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
POWER SUPPLY 2)			303.0909	1
OAX BLKHD SOL	31-010	AMPH	351.0006	1
LDER: MINI 3	345602	LITFU	351.9951	1
LDER ANGLED #6	1416-6	SMITH	359.0006	1
STRIP: BLACK	2692	SMITH	366.1800	1
NK: POWER 2)	03-367-0411	AAVID	367.0411	1
DR: MICA	4672	KEYST	368.9004	1
BLE NY NAT 3/4	SST-1-M	PANDT	377.4001	1
18 AWG STR			378.1404	1
18 AWG STR RED			378.1424	1
18 AWG STR			378.1444	1
18 AWG STR			378.1464	1

REAR. 751/752	ASSEMBLY NO. 002.0785	REV H

PAGE 2

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	WASHER: EXT LK STL CAD #4			388.1041	1
NONE	WASHER: EXT LK STL CAD #6			388.1081	1
NONE	BKT: ANG ST CD .628 X .628	618	KEYST	389.3004	1
NONE	SUPER KIT	2500-0751-03		2500-0751-03	1

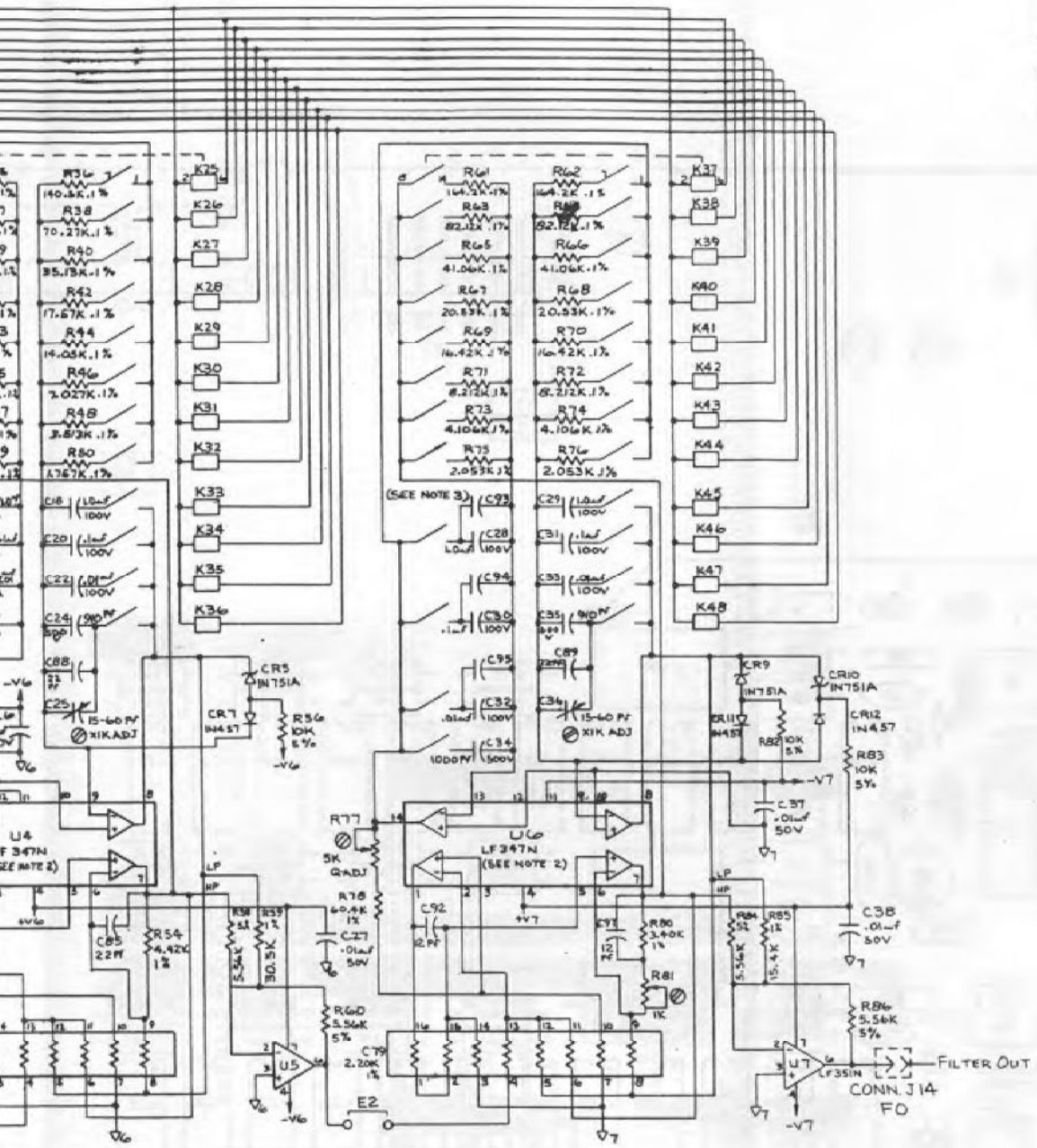
WAVETEK PARTS LIST	TITLE: PANEL ASSY: REAR. 751/752	ASSEMBLY NO. 002.0785	REV H

PAGE 4

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJENGR		TITLE: PARTS LIST REAR PANEL ASSEMBLY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED XXX ±.010 ANGLES ±1 XX ±.030		
	DO NOT SCALE DWG	MODEL NO. 751/752/753	DWG NO. 002.0785 REV
	SCALE	CODE IDENT 23338	SHEET 1 OF

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LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
A	RELEASE				
B	1062	M. McMINN		LAT	
C	1082	JB 1240-79		LAT	
D	1197	7/31/81		LAT	
E	1289	McMINN		LAT	
F	7783	SD 11-14-86			11-21-86
G	7805	SD 11-14-86			11-21-86



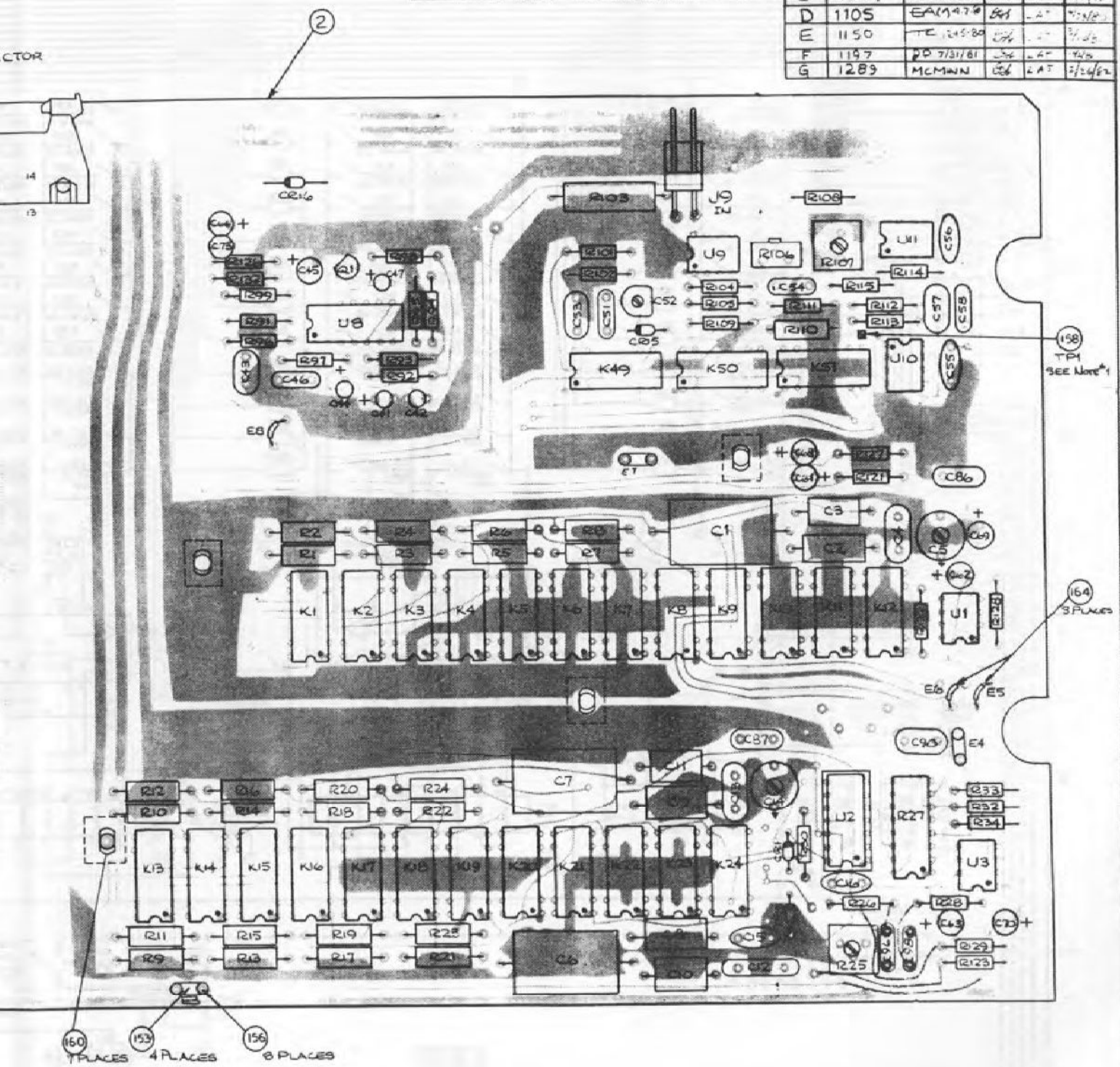
NOTES
1) CONNS. J12 & J 13 ARE NOT USED ON THIS OPTION.
2) SELECTED IN TEST.
3) C93, C94, & C95, ARE SELECTED IN TEST

DRAWN BY: M. McMINN	DATE 6-14-79	ROCKLAND Rockland Systems Corporation
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ENG. APPV.	7/14/79	
MFG. APPV.	7-15-79	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°		TITLE: 751A HP MAINBOARD SCHEMATIC DIAGRAM
SIZE D	DRAWING NO. 03 004 0760	REV G
SCALE NONE	SHEET 1 OF 1	

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ZONE	LTR	ECO NO	CHANGED BY	APPR'D BY	DATE
	H	2141	MP 5/30/86		
	J	7783	SD 11-14-86	mel	12-1-86
	K	7805	SD 11-14-86	mel	12-31-86

LTR	ECO NO	CHANGED BY	APPV'D BY		DATE
A	RELEASE			LAT	5/3/79
B	069	TH 7/27/79		LAT	8/6/79
C	1074	JB 12-4-79		LAT	12/3/79
D	1105	EAM 4-7-80		LAT	4/8/80
E	1150	TH 12-5-80		LAT	12/16/80
F	1197	PP 7/31/81		LAT	8/4/81
G	1289	MCMANN		LAT	2/24/82



NOTES:
1-CUT TEST POINT TO MAX. HEIGHT OF 3/8".
2-U2, U4, & U6 ARE MOUNTED IN SOCKETS, ITEM #162.
3-C93, C94, & C95 ARE TO BE SELECTED & INSTALLED IN THE TEST STAGE.

DRAWN BY JB	DATE 4-30-79	ROCKLAND Rockland Systems Corporation
CHECKED BY		
ENG APPVL	5/3/79	Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
MFG APPVL	5/1/79	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE .XXX ± .005 .XX ± .01 X/X ± 1/64 ∠° ± 1°		TITLE ASSEMBLY 751A HP FILTER BOARD
SIZE D	DRAWING NO 02-004-0760	REV K
SCALE 2:1	SHEET 1 OF 4	

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REV	ECN	BY	DATE	APP

IPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
-60PF	S38-011-F	MILGY	108.0600	1
0UF 20% 35V	T368A104M035AS	KEMET	109.4100	1
UF 20% 20V	T368B106M025AS	KEMET	109.6100	1
UF 20% 6V	T368B686M006AS	KEMET	109.6680	1
M 328 OHM T2	RN55C3280D	ENOX	110.3281	1
LM 681 OHM	RN55C6810F	UMCEM	110.6810	1
M 1.00K 1%	RN55C1001F	UMCEM	111.1001	1
M 1.169K TO	CR125 100PPM	CTLRE	111.1168	1
M 1.36K 1%	NA	NA	111.1360	1
M 1.37K 1%	RN55C1371F	UMCEM	111.1370	1
M 1.757K TO	HA55 100PPM	HYMEQ	111.1758	1
M 2.053K TO	HA55 100PPM	HYMEQ	111.2059	1

	ASSEMBLY NO.	REV
751-HP	004.0760	K
	PAGE 3	

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RES. FX MFLM 5.45K 1% 1/8W TO	CR125	CTLRE	111.5450	1
NONE	RES. FX MFLM 5.56K .5% 1/10W T2	RN55C5561D	ENOX	111.5561	1
NONE	RES. FX MFLM 6.81K 1% 1/10W T2	RN55C6811F	UMCEM	111.6811	1
NONE	RES. FX MFLM 7.027K .1% 1/8W TO	HA55 100PPM	HYMEQ	111.7028	1
NONE	RES. FX MFLM 8.212K .1% 1/8W TO	HA55 100PPM	HYMEQ	111.8219	1
NONE	RES. FX MFLM 8.98K .5% 1/10W T2	RN55C8981D	KAGAN	111.8981	1
NONE	RES. FX MFLM 9.351K .5% 1/8W TO	CR125 100PPM	CTLRE	111.9358	1
NONE	RES.FX MFLM 11.69K .5% 1/8W TO	CR125 100PPM	CTLRE	112.1168	1
NONE	RES.FX MFLM 13.6K 1% 1/8W TO	CR125 100PPM	CTLRE	112.1360	1
NONE	RES.FX MFLM 14.05K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1408	1
NONE	RES.FX MFLM 14.7K 1% 1/10W T2	RN55C1472F	UMCEM	112.1471	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 751-HP	004.0760	K
		PAGE 5	

RIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
LM 2.15K 1%	RN55C2151F	UMCEM	111.2151	1
LM 2.338K TO	HA55 100PPM	HYMEQ	111.2338	1
LM 2.40K 5%	FP42 2.4K 5% 2W 200PPM	CORNO	111.2403	1
LM 2.72K 1%	CR125 100PPM	CTLRE	111.2720	1
LM 3.40K 1%	RN55C3401F	UMCEM	111.3401	1
LM 3.518K TO	HA55 100PPM	HYMEQ	111.3518	1
LM 3.57K 1%	RN55C3571F	UMCEM	111.3571	1
LM 4.106K TO	HA55 100PPM	HYMEQ	111.4109	1
LM 4.32K 1%	RN55C4321F	UMCEM	111.4321	1
LM 4.42K 1%	RN55C4421F	UMCEM	111.4421	1
LM 4.675K TO	HA55 100PPM	HYMEQ	111.4678	1

	ASSEMBLY NO.	REV
Y 751-HP	004.0760	K
	PAGE 4	

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RES.FX MFLM 15.4K 1% 1/10W T2	CR125 50PPM	CTLRE	112.1541	1
NONE	RES.FX MFLM 16.42K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1649	1
NONE	RES.FX MFLM 17.57K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1758	1
NONE	RES.FX MFLM 20.53K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.2058	1
NONE	RES.FX MFLM 23.38K .5% 1/8W TO	CR125 100PPM	CTLRE	112.2338	1
NONE	RES.FX MFLM 27.2K 1% 1/8W TO	CR125 100PPM	CTLRE	112.2720	1
NONE	RES MF FIX. VALUE 0.5% 50PPM RN55 SIZE	RN55C3052D	MIL	112.3051	1
NONE	RES.FX MFLM 35.13K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.3518	1
NONE	RES. FX MFLM 41.06K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.4108	1
NONE	RES. FX MFLM 46.75K .5% 1/8W TO	CR125 100PPM	CTLRE	112.4678	1
NONE	RES. FX MFLM 54.5K 1% 1/8W TO	CR125 100PPM	CTLRE	112.5450	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 751-HP	004.0760	K
		PAGE 6	

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJECTION		TITLE: PARTS LIST MAINBOARD ASSY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED .XXX ±.010 ANGLES ±1 .XX ±.030		
	DO NOT SCALE DWG		MODEL NO. 751 / DWG NO. 004.0760 / REV K
	SCALE		CODE IDENT 23338 / SHEET 1

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REV	ECN	BY	DATE	APP

TION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
60.4 1%	RN55C6042F	UMCEM	112.6041	1
70.27K	HA55 100PPM	HYMEG	112.7028	1
82.12K	HA55 100PPM	HYMEG	112.8218	1
93.51K	CR125 100PPM	CTLRE	112.9358	1
100K 1%	RN55C1003F	UMCEM	113.1001	1
140.5K	HA55 100PPM	HYMEG	113.1408	1
164.2K	HA55 100PPM	HYMEG	113.1648	1
200K 1%	RN55C2003F	UMCEM	113.2001	1
900K 1%			113.9009	1
10 OHM 5%			116.0101	1
82 OHM 5%			116.0821	1

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	U: QUAD ANAL VOLT COMP (LM339)	LM339N	MOT	120.3339	1
NONE	ASSY, PC BD PREPPED 751-0760	751-2447	WVTK	1208-00-2447	1
NONE	COS U: RES NET 2.2K OHM 1% X8	4116R-001-2.2K	BOURN	128.2223	1
NONE	COS U: RES NET 10K OHM 1% X8	698-3-R10K-F	BECK	128.3103	1
NONE	SL ZR 5.1V 5% 400MW (1N751A)			131.9510	1
NONE	GER 120PIV 100MA (1N277)			132.0277	1
NONE	SL LW LK 70PIV 200MW (1N457)			132.0457	1
NONE	Q: SIL PNP (2N4249)			136.4249	1
NONE	Q: DL MATCH FET (NPD-5566)	NPD-5566	NSC	138.5566	1
NONE	L: FXD 1 MHY +/-10% SHLD	1641-105	DELVN	150.2100	1
NONE	RELAY: REED DIP 1A W/DIODE 5V	1503-8-1	WABSH	175.1503	1
NONE	RELAY: REED DIP 1C	615-244-11	WABSH	175.1506	1

WAVETEK PARTS LIST | TITLE MAINBOARD ASSY 751-HP | ASSEMBLY NO. 004.0760 | REV K | PAGE 9

TION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
100 OHM			116.1101	1
1.0K OHM			116.2101	1
10K OHM			116.3101	1
1.0H OHM			116.5101	1
4.7 OHM			116.9471	1
500 OHM	72PR500	BECK	118.1503	1
1.0K	723R1K	BECK	118.2101	1
1.0K	72PR1K	BECK	118.2102	1
5.0K	72PR5K	BECK	118.2502	1
OP-AMP	LF351N	NSC	120.1017	1
MP DIL	SA5534AN	SIG	120.1018	1

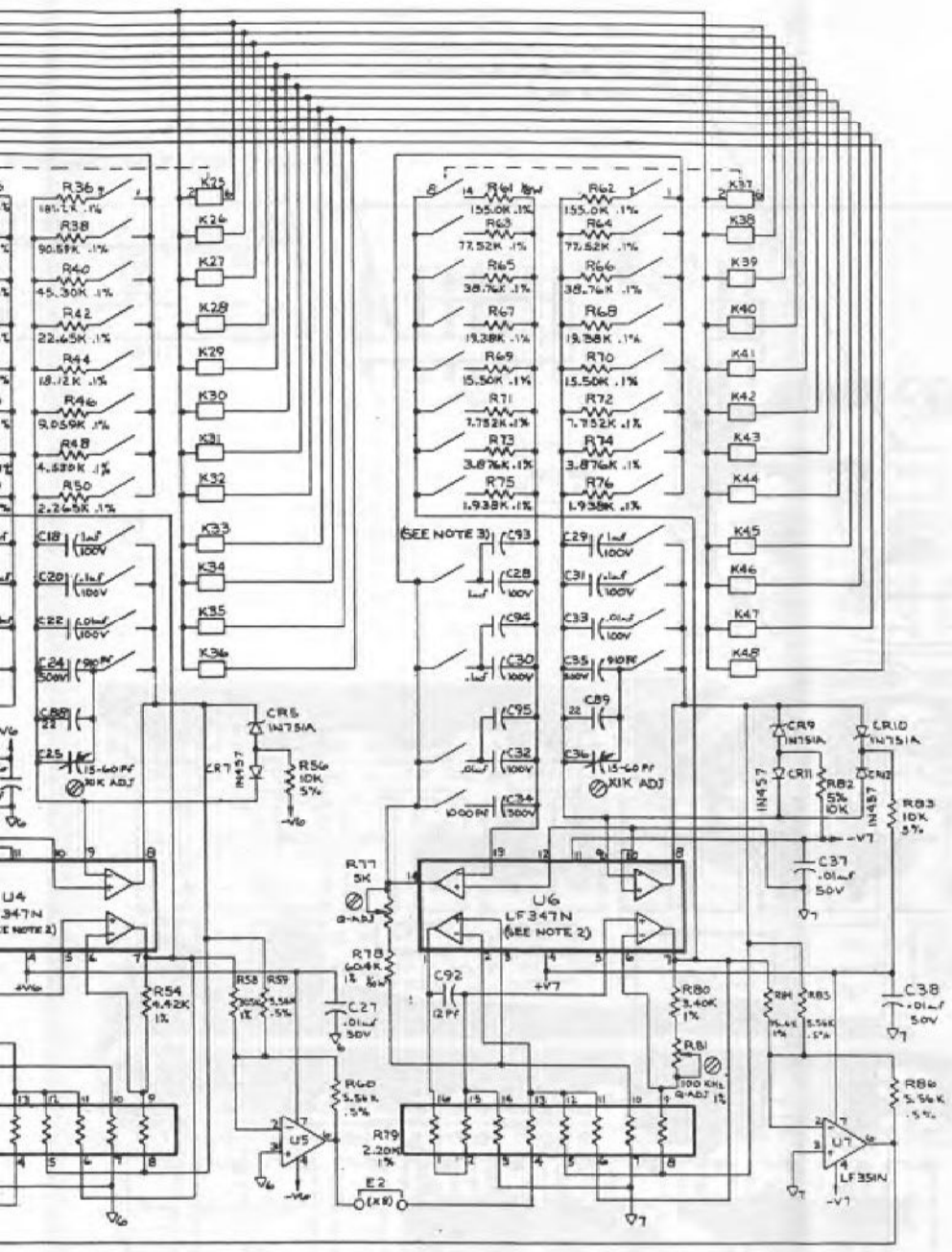
REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
	W/DIODE 5V				
NONE	RELAY: REED DIP 2A W/DIODE 5V	1503-7-1	WABSH	175.1507	1
NONE	CONN. PLUG: HDR 26P DIL RT ANG ST LK	3429-1002&3500-2	3M	352.2601	1
NONE	SOCKET: IC 14PIN DIP ST			350.1400	1
NONE	CONN: 8PIN R/A HDR F/L 9751081	09-75-1081	MOLEX	354.0020	1
NONE	CONN: 2PIN R/A HDR F/L 9751021	09-75-1021	MOLEX	354.0022	1
E2 E3 E4 E7	CONN. PLUG: SHORTING (LOW PROF)	4612872-01-03-10	CTC	352.0202	4
NONE	SOCKET: JMPR (USE W/352.0202)	4503327-01-0300	CTC	353.0104	8
TP1	CONN: TERM PIN .025 WW (NAIL)	W98-025-560-GH-GOLD	A/S	354.0003	1
NONE	SPACER: NYL SNAP-BTN (MB1-156)	MB-1-156	P&MC	376.2109	7
NONE	WIRE: BUSS TINNED #22GA			378.0601	.2
NONE	SLVNG PLASTIC FBRGLS #22AWG			378.5221	.2

WAVETEK PARTS LIST | TITLE MAINBOARD ASSY 751-HP | ASSEMBLY NO. 004.0760 | REV K | PAGE 10

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJ ENGR		TITLE: PARTS LIST MAIN BOARD ASSEMBLY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED .XXX ±.010 ANGLES ±1 .XX ±.030		
	DO NOT SCALE DWG		MODEL NO. 751 / DWG NO. 004.0760 / REV K
	SCALE		CODE IDENT 23338 / SHEET 2 OF 2

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LTR	ECO NO.	CHANGED BY	APPVD BY		DATE
A	RELEASE				
B	1062	M.McMINN		LAT	7-16-79
C	1071	M.McMINN		LAT	8/9/79
D	1700	M.McMINN	PM		9/19/85



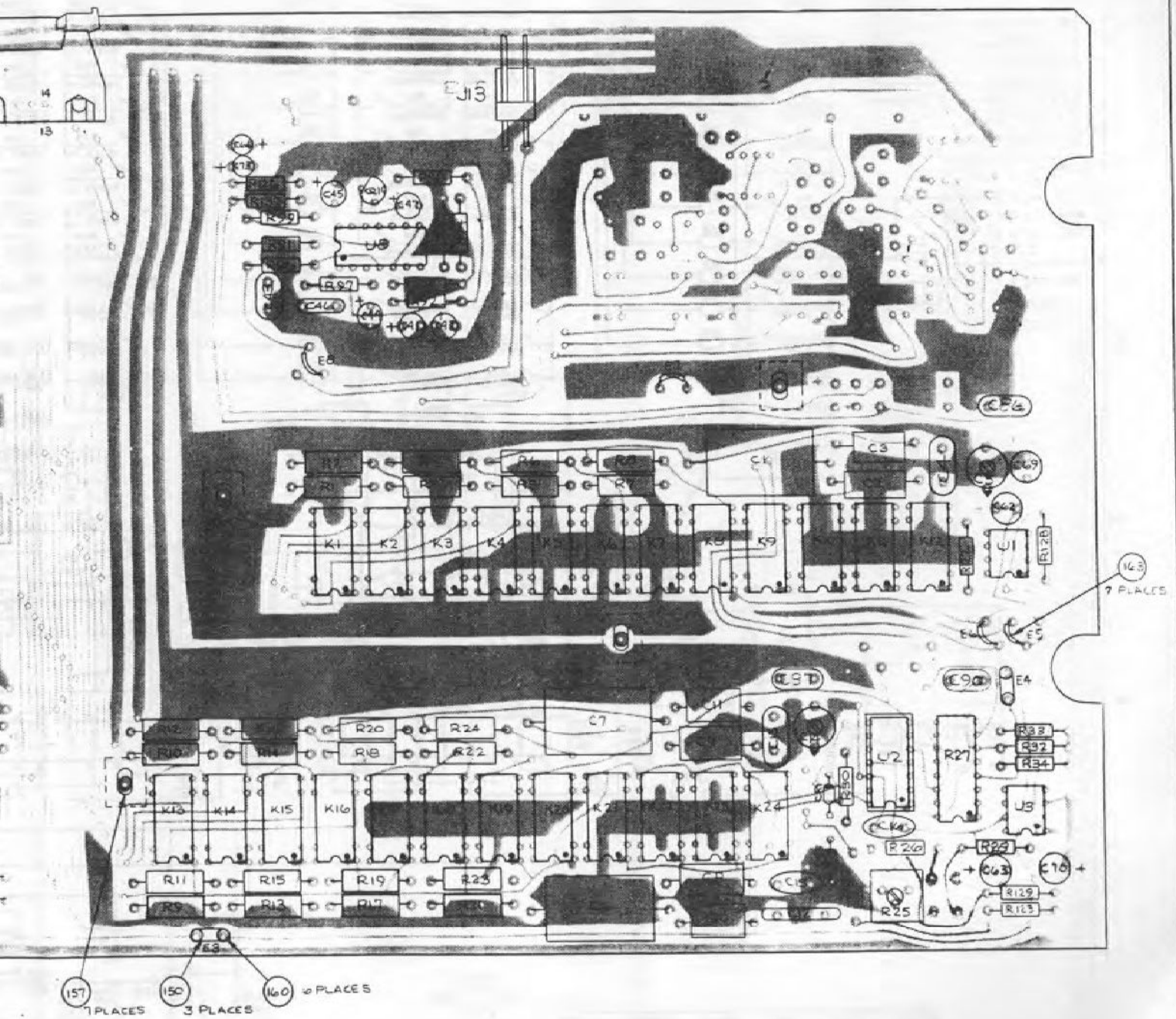
NOTES:
1.) CONNS J9 & J14 ARE NOT USED ON THIS OPTION.
2.) SELECTED IN TEST.
3.) C93, C94, & C95 ARE SELECTED IN TEST.

DRAWN BY: M. McMINN	DATE 5-31-79	ROCKLAND Rockland Systems Corporation
CHECKED BY:		Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
ENG. APPVL.	7/6/79	
MFG. APPVL. Louis D. Tavo	7/16/79	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°		TITLE: 751A LP MAINBOARD ASSEMBLY SCHEMATIC DIAGRAM
SIZE D	DRAWING NO. 03 004 0755	REV D
SCALE NONE	SHEET 1 OF 1	

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LTR	ECO NO.	CHANGED BY	APPVD BY	DATE
A	RELEASE			
B	[illegible]	[illegible]		
C	1074	JB 12-4-79		
D	1096/1105	FZ		
E	1700	M. McMINN		7/13/82
F	2124	MM 4/29/86		
G	7726	[illegible]		[illegible]

NNECTOR



SHEETS 2-6 ARE 'A' SIZE L/M.

DRAWN BY M. McMINN	DATE 4.2679	ROCKLAND Rockland Systems Corporation
CHECKED BY		Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
ENG APPVL		TITLE ASSEMBLY 7510 LP FILTER BOARD
MFG APPVL		SIZE D DRAWING NO 02-004-0755 REV
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE .XXX ± .005 .XX ± .01 F/R ± 1/64 ∠° ± 1°		SCALE 2:1 SHEET 1 OF 4

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REV	ECN	BY	DATE	APP

CRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
FLM 1.938M TO	HA55 100PPM	HYMEQ	111.1939	1
FLM 2.15K 1%	RN55C2151F	UMCEM	111.2151	1
FLM 2.21K 1%	RN55C2211F	UMCEM	111.2211	1
FLM 2.265K TO	HA55 100PPM	HYMEQ	111.2269	1
FLM 3.40K 1%	RN55C3401F	UMCEM	111.3401	1
FLM 3.404K TO	CR125 100PPM	CTLRE	111.3408	1
FLM 3.876K TO	HA55 100PPM	HYMEQ	111.3879	1
FLM 4.32K 1%	RN55C4321F	UMCEM	111.4321	1
FLM 4.42K 1% 2	RN55C4421F	UMCEM	111.4421	1
FLM 4.530K TO	HA55 100PPM	HYMEQ	111.4539	1
MFLM 5.56K W T2	RN55C5561D	ENOX	111.5561	1

	ASSEMBLY NO.	REV
SY 751-LP	004.0755	G

PAGE 3

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RES.FX MFLM 19.38K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1939	1
NONE	RES.FX MFLM 22.65K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.2269	1
NONE	RES.FX MFLM 23.4K 1% 1/8W TO	RN55C2342F	ENOX	112.2340	1
NONE	RES.FX MFLM 27.23K .5% 1/8W TO	CR125 100PPM	CTLRE	112.2728	1
NONE	RES MF FIX. VALUE 0.5% 50PPM RN55 SIZE	RN55C3052D	MIL	112.3051	1
NONE	RES.FX MFLM 34.04K .5% 1/8W TO	CR125 100PPM	CTLRE	112.3408	1
NONE	RES.FX MFLM 38.76K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.3879	1
NONE	RES. FX MFLM 45.30K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.4539	1
NONE	RES. FX MFLM 46.8K 1% 1/8W TO	CR125 100PPM	CTLRE	112.4680	1
NONE	RES. FX MFLM 58.4K 1% 1/8W TO	CR125 100PPM	CTLRE	112.5840	1
NONE	RES. FX MFLM 60.4 1% 1/10W T2	RN55C6042F	UMCEM	112.6041	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 751-LP	004.0755	G

PAGE 5

SCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
MFLM 5.84K 1%	CR125	CTLRE	111.5840	1
MFLM 6.808K W TO	CR125	CTLRE	111.6808	1
MFLM 7.752K W TO	HA55 100PPM	HYMEQ	111.7759	1
MFLM 9.059K W TO	HA55 100PPM	HYMEQ	111.9059	1
MFLM 10.0K 1% 2	RN55C1002F	UMCEM	112.1001	1
MFLM 11.7K 1%	CR125 100PPM	CTLRE	112.1370	1
MFLM 13.62K W TO	CR125 100PPM	CTLRE	112.1368	1
MFLM 14.7K 1% 2	RN55C1472F	UMCEM	112.1471	1
MFLM 15.4K 1% 2	CR125 50PPM	CTLRE	112.1541	1
MFLM 15.50K W TO	HA55 100PPM	HYMEQ	112.1539	1
MFLM 18.12K W TO	HA55 100PPM	HYMEQ	112.1819	1

	ASSEMBLY NO.	REV
SSY 751-LP	004.0755	G

PAGE 4

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RES. FX MFLM 68.08K .5% 1/8W TO	CR125 100PPM	CTLRE	112.6808	1
NONE	RES. FX MFLM 77.52K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.7759	1
NONE	RES. FX MFLM 90.59K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.9059	1
NONE	RES.FX MFLM 100K 1% 1/10W T2	RN55C1003F	UMCEM	113.1001	1
NONE	RES.FX MFLM 117K 1% 1/8W TO	CR125 100PPM	CTLRE	113.1170	1
NONE	RES.FX MFLM 136.2K .5% 1/8W TO	CR125 100PPM	CTLRE	113.1368	1
NONE	RES.FX MFLM 155.0K .1% 1/8W TO	HA55 100PPM	HYMEQ	113.1559	1
NONE	RES.FX MFLM 181.2K .1% 1/8W TO	HA55 100PPM	HYMEQ	113.1819	1
NONE	RES.FX MFLM 200K 1% 1/10W T2	RN55C2003F	UMCEM	113.2001	1
NONE	RES.FX MFLM 234K 1% 1/8W TO	CR125 100PPM	CTLRE	113.2340	1
NONE	RES.FX MFLM 272.3K .5% 1/8W TO	HA55 100PPM	HYMEQ	113.2728	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 751-LP	004.0755	G

PAGE 6

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROVENCE		TITLE: PARTS LIST MAINBOARD ASSY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED .XXX ±.010 ANGLES ±1 .XX ±.030		
	DO NOT SCALE DWG		MODEL NO: 751 DWG NO: 004.0755 REV: G
	SCALE		CODE IDENT: 23338 SHEET 1 OF 2

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REV	ECN	BY	DATE	APP

TION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
468K 1%	CR125 100PPM	CTLRE	113.4680	1
10 OHM 5%			116.0101	1
47 OHM 5%			116.0471	1
82 OHM 5%			116.0821	1
100 OHM			116.1101	1
1.0K OHM			116.2101	1
10K OHM			116.3101	1
1.0M OHM			116.5101	1
4.7 OHM			116.9471	1
500 OHM	72PR500	BECK	118.1503	1
1.0K	72PR1K	BECK	118.2102	1

	ASSEMBLY NO.	REV
51-LP	004.0755	G
	PAGE 7	

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RELAY: REED DIP 1A W/DIODE 5V	1503-8-1	WABSH	175.1505	1
NONE	RELAY: REED DIP 2A W/DIODE 5V	1503-7-1	WABSH	175.1507	1
NONE	CONN. PLUG: HDR 26P DIL RT ANG ST LK	3429-1002&3505-2	3M	352.2601	1
NONE	SOCKET: IC 14PIN DIP ST			353.1403	1
NONE	CONN: 8PIN R/A HDR F/L 9751081	09-75-1081	MOLEX	354.0020	1
NONE	CONN: 2PIN R/A HDR F/L 9751021	09-75-1021	MOLEX	354.0022	1
E2 E3 E4	CONN. PLUG: SHORTING (LOW PROF)	4612872-01-03-10	CTC	352.0202	3
NONE	SOCKET: JMPR (USE W/352.0202)	4503327-01-0300	CTC	353.0104	6
NONE	SPACER: NYL SNAP-DTN (MB1-156)	MB-1-156	PAMC	376.2109	7
NONE	WIRE: BUSS TINNED #22GA			378.0601	.4
NONE	SLVNG: PLASTIC FBRGLS #22AWG			378.3221	.2

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 751-LP	004.0755	G
		PAGE 9	

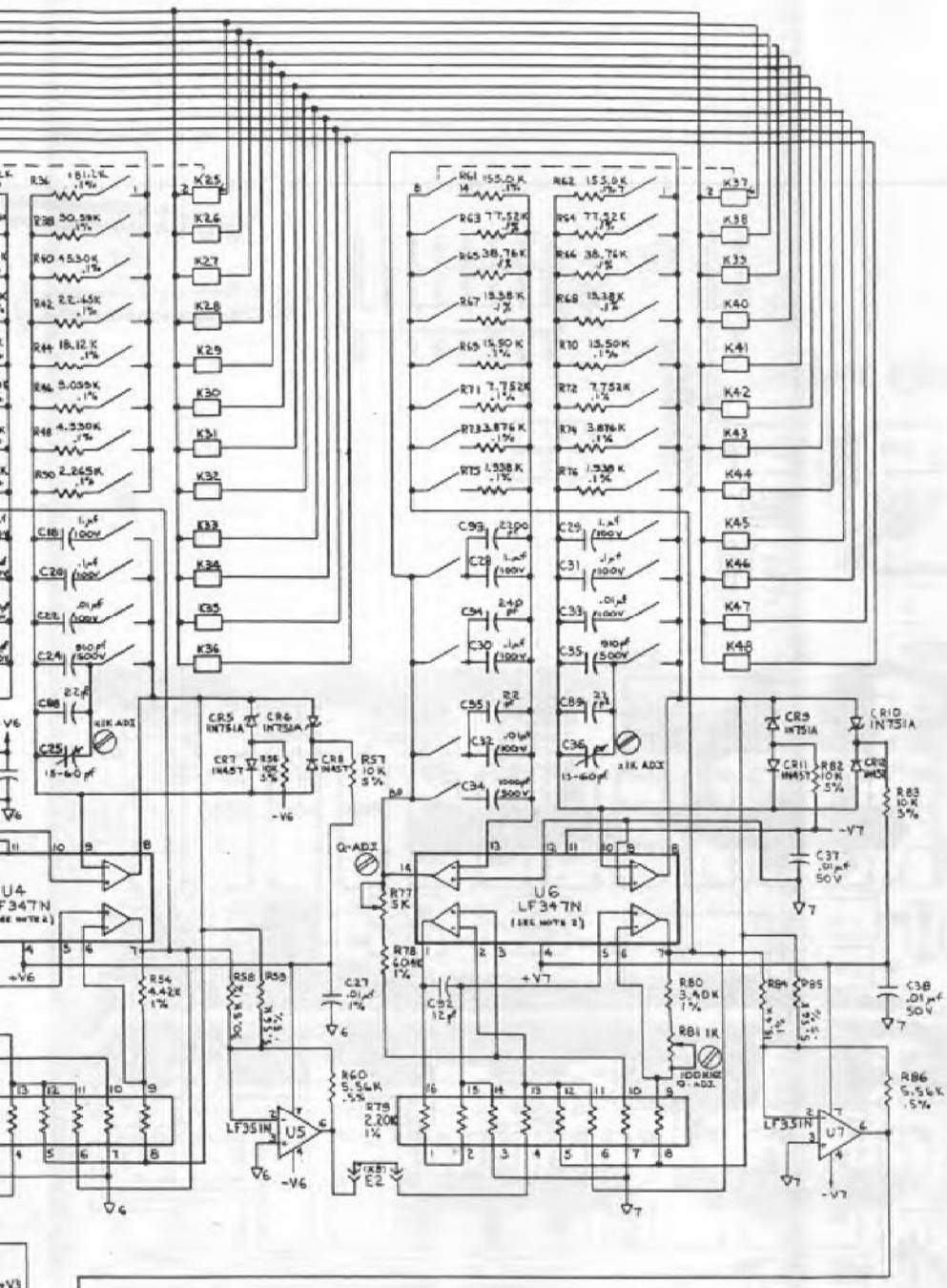
PTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
T 3.0K	72PR3K	BECK	118.2502	1
T 100K 18T	68PR100K	BECK	118.4104	1
T OP-AMP	LF351N	NSC	120.1017	1
MP DIL	SA5534AN	SIG	120.1018	1
MP	LF357H	NSC	120.1019	1
L VOLT	LM339N	MOT	120.3339	1
PREPPED	751-2445	WVTK	1200-00-2445	1
NET 2.2K	4116R-001-2.2K	BOURN	128.2223	1
5% 400MW			131.9510	1
PIV 200MW			132.0457	1
(2N4249)			136.4249	1
HY +/-10%	1641-105	DELVN	150.2100	1

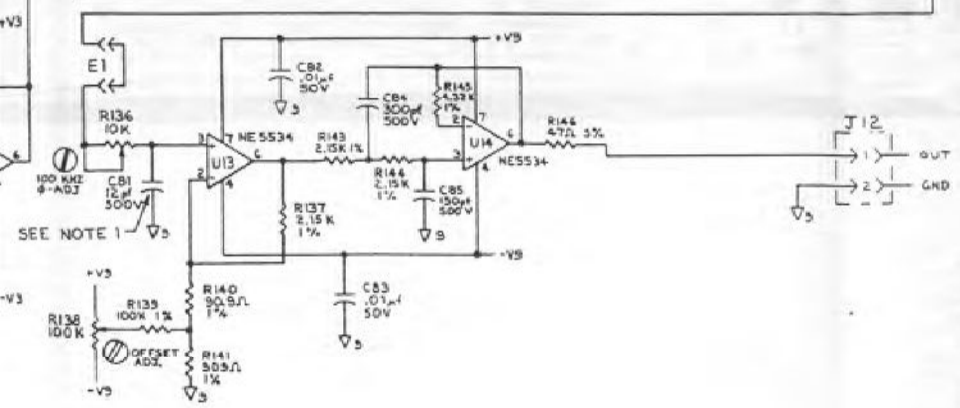
	ASSEMBLY NO.	REV
751-LP	004.0755	G
	PAGE 8	

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJ ENGR		TITLE: PARTS LIST MAIN BOARD ASSEMBLY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED XXX ±.010 ANGLES ±1 XX ±.030		
	DO NOT SCALE DWG		MODEL NO. 751 / DWG NO. 004.0755 / REV G
	SCALE		CODE IDENT 23338 / SHEET 2 OF 2

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LTR	ECO NO.	CHANGED BY	APPVD BY		DATE
A	RELEASE				
B	1002	M. McMINN			
C	1062	B. THANOS	LSA	L.A.T	7-16-79
D	1078	T.N. 8-8-79	BMK	L.A.T	8-9-79
E	1182A	SK			NOV 1981
F	1690	JL KNIGHT	LL		3/30/82





NOTES:
1. C81 IS A 12pf CAP (NOMINAL) INSTALLED IN PRODUCTION. TEST WILL SELECT NEW CAP VALUE IF REQUIRED.
2. LF347N SELECTED IN TEST.
3. C83, C84, & C85 SELECTED IN TEST.
4. CONNS J13 & J14 ARE NOT USED ON THIS OPTION.

DRAWN BY: M. McMINN	DATE
CHECKED BY:	
ENG. APPVL.	7/16/79
MFG APPVL.	7/16/79

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE:
.XXX ± .005
.XX ± .01
X/X ± 1/64
∠° ± 1°

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TITLE
752 MAIN BOARD ASSEMBLY
SCHEMATIC DIAGRAM

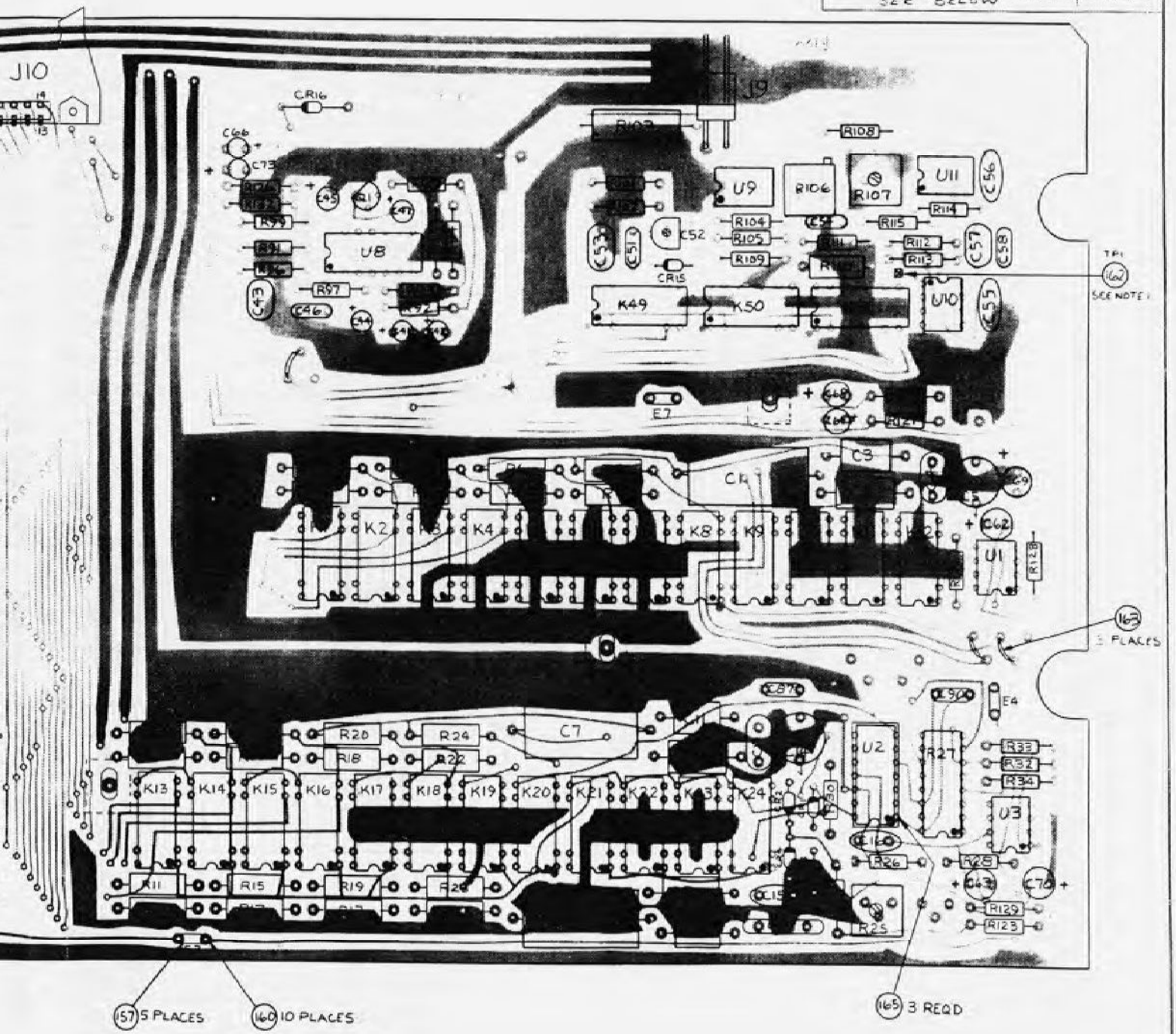
SIZE	DRAWING NO.	REV
D	03 004 0750	F

SCALE NONE SHEET 1 OF 1

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LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
A	RELEASE				
B	1002	M. McMINN			
C	1040	M. McMINN			
D	072	[illegible] 8-8-79			
E	1074	JB 12-4-79			
F	1105	SAM 4-7-8			
G	1144				

SEE BELOW



LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
H	1150	TC 12-15-80			
J	1189-1189A	TC 3-5-81			6-9-81
K	1690				
L	2124	SM 5/13/86			5/14/86
M	7765	SD 12-2-86	RBB		12/8/86

DRAWN BY	M. McMINN	DATE 3-6-79
CHECKED BY		
ENG APPVL		
MFG APPVL		

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE .XXX ± .005, .XX ± .01, X/x ± 1/64, ∠° ± 1°

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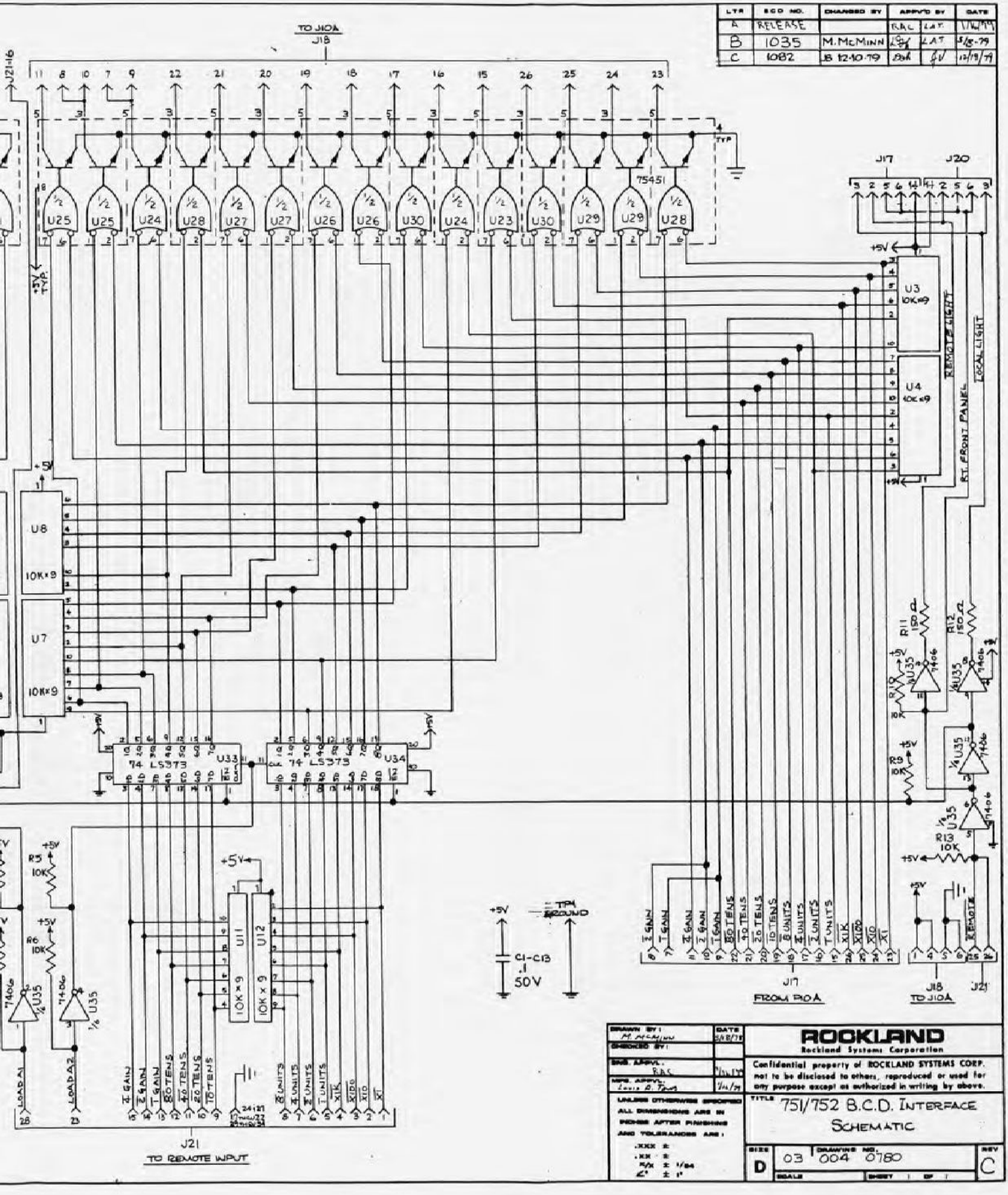
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TITLE
ASSEMBLY 752A
FILTER BOARD

SIZE	DRAWING NO	REV
D	02-004-0750	V

SCALE 2:1 SHEET 1 OF 2

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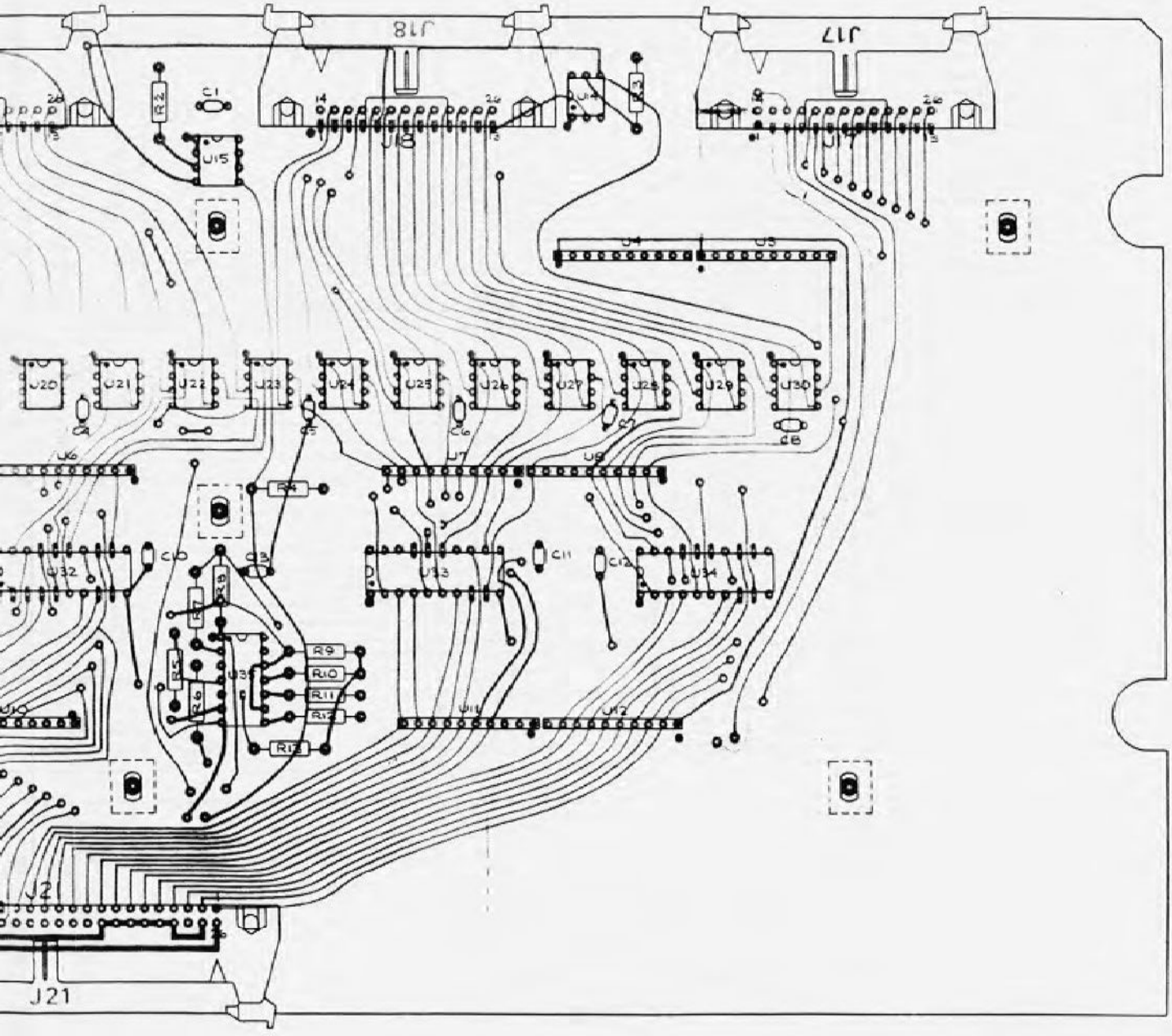


LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
A	RELEASE		R.A.C.	L.A.T.	1/14/79
B	1035	M. McMINN		L.A.T.	5/18-79
C	1082	M 12-10-79		L.V.	12/19/79

DRAWN BY: M. McMINN	DATE: 5/8/79	ROCKLAND Rockland Systems Corporation	
CHECKED BY:		Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.	
ENG. APPVL.: R.A.C.	7/11/79		
MFG. APPVL.: Louis D. Tyus	7/11/79		
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .XX ± .X/X ± 1/64 ∠° ± 1°		TITLE: 751/752 B.C.D. INTERFACE SCHEMATIC	
		SIZE: D	DRAWING NO.: 03 004 0780 REV: C
		SCALE	SHEET 1 OF 1

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LTR	ECO NO	CHANGED BY	APPV'D BY	DATE
A	RELEASE			
B	1082	JB 12 11 79		



SHEET 2 OF 2 IS A SIZE 4/M.

DRAWN BY JB	DATE 11-15-79	ROCKLAND Rockland Systems Corporation
CHECKED BY		
ENG APPVL		
MFG APPVL		

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE

.XXX ± .005
.XX ± .01
FRAC ± 1/64
∠° ± 1°

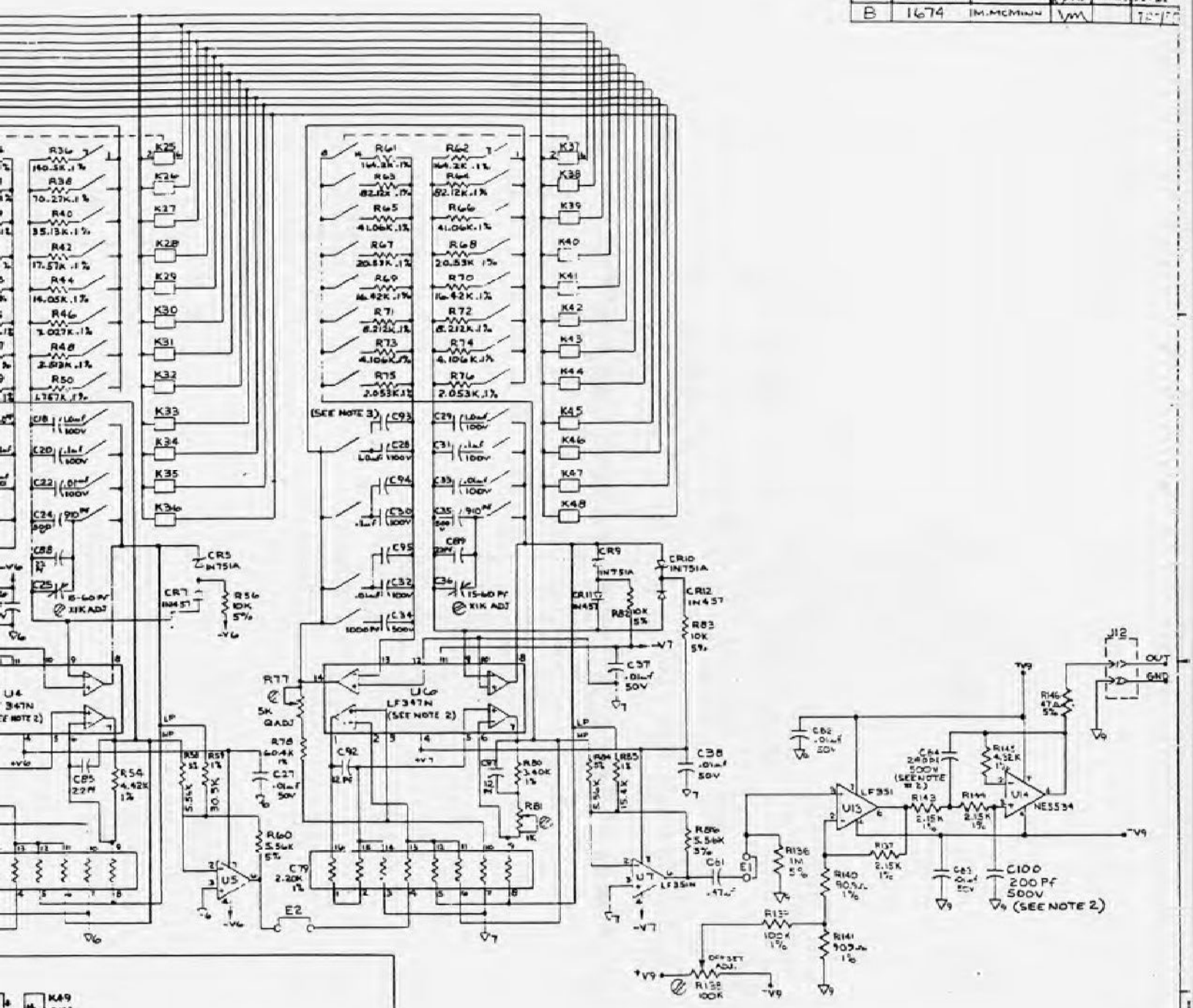
TITLE 751/752 BCD INTERFACE PCB ASSY.

SIZE	DRAWING NO	REV
D	02-004-0780	B

SCALE 2:1 SHEET 1 OF 2

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

LTR	ECO NO	CHANGED BY	APPVD BY	DATE
A	RELEASE			
B	1674	IM.McMinn		



DRAWN BY	PD	DATE	
CHECKED BY			
ENG APPVL			
MFG APPVL			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE .XXX ± .001 .XX ± .01 F/A ± 1/64 ∠ ± 1°

ROCKLAND
Rockland Systems Corporation

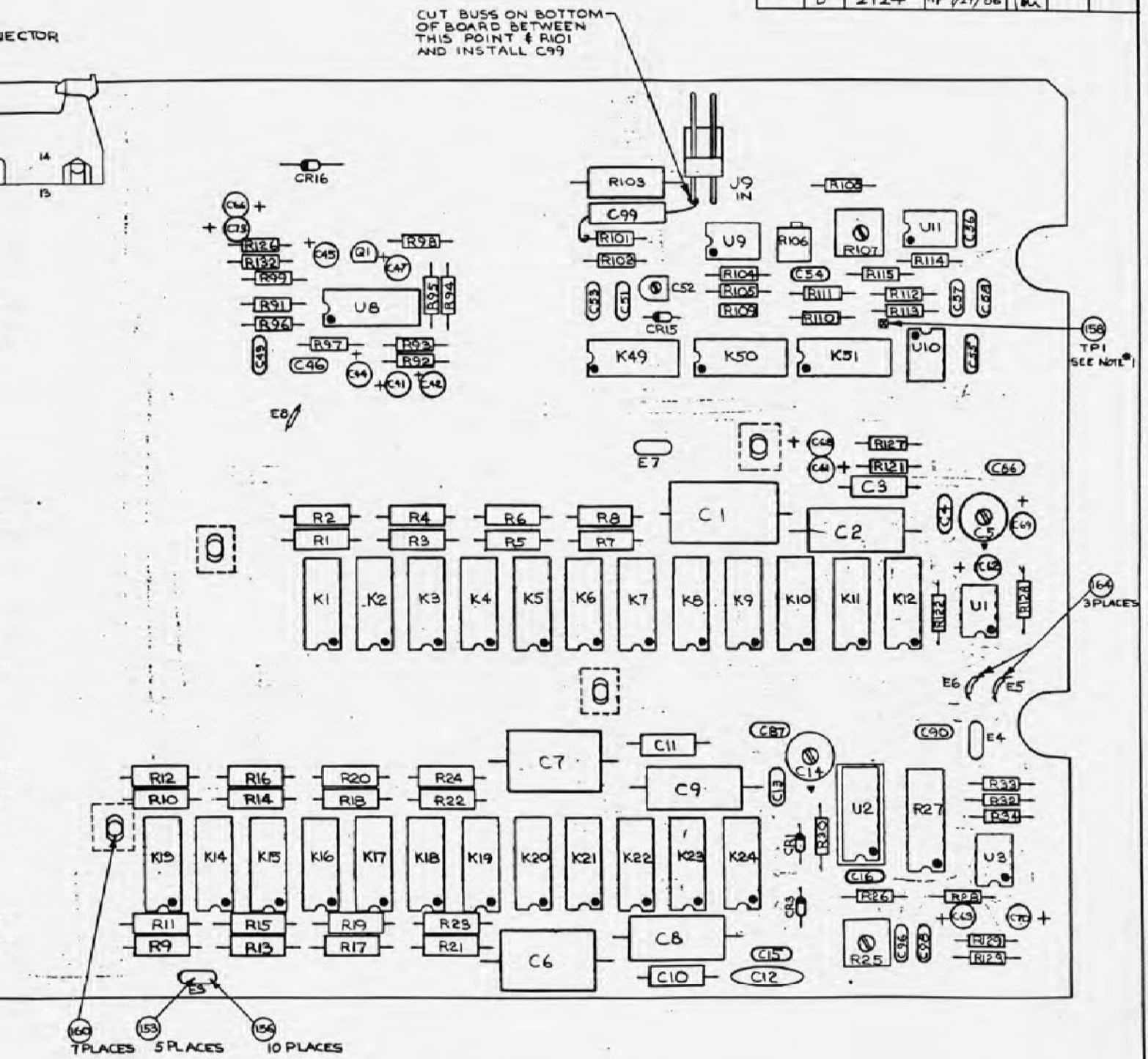
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TITLE ELEC. SCHEM. 753AHP MAINBOARD

SIZE D | DRAWING NO. D3 004 0753 | REV B | SCALE | SHEET OF

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

ZONE	LTR	ECO NO	CHANGED BY	APPR'D BY	DATE
	A	RELEASE			
	B	1394	NP 8/13/82		
	C	1674	M.McMinn		
	D	2124	NP 9/29/86		



NOTES:
1-CUT TEST POINT TO MAX. HEIGHT OF 5/8".
2-U2,U4, &U6 ARE MOUNTED IN SOCKETS, ITEM#162.
3-C95,C94, & C95 ARE TO BE SELECTED & INSTALLED IN THE TEST STAGE

DR	J.P.	DATE 3-15-82
CHKD		3/29/82
ENG.		3/26/82
MFG. Lewis R. Tang		3/31/82
QA/QC		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: .XX ± .01, .XXX ± .005, FRACTIONS ± 1/64, ANGLES ± 1°

MAT. —
FIN —

WAVETEK ROCKLAND Wavetek Rockland, Inc.

ASSEMBLY 753A HP FILTER BOARD

SIZE	MODEL NO	DRAWING NO	REV
D	753A	02-004-0753	D
SCALE 2:1	CODE IDENT NO 23338	SHEET 1 OF 4	

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REV	ECN	BY	DATE	APP

RIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
1.0UF 0V	MPABPC0105E	AMRAD	104.5103	1
.47UF 5%	A118474-J	BISHO	105.4470	1
.5-18PF 250V	9373	JACO	108.0180	1
5-60PF	538-011-F	MILOY	108.0600	1
10UF 20% 35V	T368A104M035AS	KEMET	109.4100	1
OUF 20% 20V	T368B104M025AS	KEMET	109.6100	1
8UF 20% 6V	T368B686M006AS	KEMET	109.6680	1
LM 328 OHM T2	RN55C3280D	ENDI	110.3281	1
FLM 681 OHM D	RN55C6810F	UMCEM	110.6810	1
FLM 9009 OHM T2	RN55C9090F	JMAR	110.9091	1
LM 1.00K 1%	RN55C1001F	UMCEM	111.1001	1
LM 1.169K TO	CR125 100PPM	CTLRE	111.1168	1
LM 1.36K 1%	NA	NA	111.1360	1

	ASSEMBLY NO.	REV
753 (H-P/FB)	004.0753	D

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RES.FX MFLM 4.32K 1% 1/10W T2	RN55C4321F	UMCEM	111.4321	1
NONE	RES.FX MFLM 4.42K 1% 1/10W T2	RN55C4421F	UMCEM	111.4421	1
NONE	RES.FX MFLM 4.675K .5% 1/8W TO	HA55 100PPM	HYMEQ	111.4678	1
NONE	RES. FX MFLM 5.45K 1% 1/8W TO	CR125	CTLRE	111.5450	1
NONE	RES. FX MFLM 5.56K .5% 1/10W T2	RN55C5561D	ENDI	111.5561	1
NONE	RES. FX MFLM 6.81K 1% 1/10W T2	RN55C6811F	UMCEM	111.6811	1
NONE	RES. FX MFLM 7.027K .1% 1/8W TO	HA55 100PPM	HYMEQ	111.7028	1
NONE	RES. FX MFLM 8.212K .1% 1/8W TO	HA55 100PPM	HYMEQ	111.8219	1
NONE	RES. FX MFLM 8.98K .5% 1/10W T2	RN55C8981D	KAGAN	111.8981	1
NONE	RES. FX MFLM 9.351K .5% 1/8W TO	CR125 100PPM	CTLRE	111.9358	1
NONE	RES.FX MFLM 11.69K .5% 1/8W TO	CR125 100PPM	CTLRE	112.1168	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 753 (H-P/FB)	004.0753	D

RIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
LM 1.37K 1%	RN55C1371F	UMCEM	111.1370	1
LM 1.757K TO	HA55 100PPM	HYMEQ	111.1758	1
LM 2.053K TO	HA55 100PPM	HYMEQ	111.2059	1
LM 2.15K 1%	RN55C2151F	UMCEM	111.2151	1
LM 2.338K TO	HA55 100PPM	HYMEQ	111.2338	1
LM 2.40K 5%	FP42 2.4K 5% 2W 200PPM	CORNG	111.2403	1
LM 2.72K 1%	CR125 100PPM	CTLRE	111.2720	1
LM 3.40K 1%	RN55C3401F	UMCEM	111.3401	1
LM 3.313K TO	HA55 100PPM	HYMEQ	111.3318	1
LM 3.57K 1%	RN55C3571F	UMCEM	111.3571	1
LM 4.106K TO	HA55 100PPM	HYMEQ	111.4109	1

	ASSEMBLY NO.	REV
753 (H-P/FB)	004.0753	D

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	RES.FX MFLM 13.6K 1% 1/8W TO	CR125 100PPM	CTLRE	112.1360	1
NONE	RES.FX MFLM 14.05K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1408	1
NONE	RES.FX MFLM 14.7K 1% 1/10W T2	RN55C1472F	UMCEM	112.1471	1
NONE	RES.FX MFLM 15.4K 1% 1/10W T2	CR125 50PPM	CTLRE	112.1541	1
NONE	RES.FX MFLM 16.42K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1649	1
NONE	RES.FX MFLM 17.57K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.1758	1
NONE	RES.FX MFLM 20.5K 1% 1/8W TO	RN55C2052F	UMCEM	112.2050	1
NONE	RES.FX MFLM 20.53K .1% 1/8W TO	HA55 100PPM	HYMEQ	112.2058	1
NONE	RES.FX MFLM 23.38K .5% 1/8W TO	CR125 100PPM	CTLRE	112.2338	1
NONE	RES.FX MFLM 27.2K 1% 1/8W TO	CR125 100PPM	CTLRE	112.2720	1
NONE	RES MF FIX. VALUE 0.5% 50PPM RN55 SIZE	RN55C3052D	MIL	112.3051	1

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 753 (H-P/FB)	004.0753	D

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO - CALIFORNIA
MATERIAL	PROJ MGR		TITLE: PARTS LIST MAINBOARD ASSY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED .XXX ±.010 ANGLES ±1 .XX ±.030		
	DO NOT SCALE DWG	MODEL NO 753	DWG NO 004.0753 REV D
	SCALE	CAGE IDENT 23338	SHEET 1 OF 2

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REV	ECN	BY	DATE	APP

ION	DRIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
1.0K	72XR1K	BECK	118.2101	1
1.0K	72PR1K	BECK	118.2102	1
5.0K	72PR5K	BECK	118.2502	1
100K T	68PR100K	BECK	118.4104	1
90.9 OHM	RN55C90R9F	KAGAN	119.9091	1
OP-AMP	LF351N	NSC	120.1017	1
DIL	SA5534AN	SIG	120.1018	1
VOLT	LM339N	MOT	120.3339	1
PREPPED	753-2469	WVTK	1208-00-2469	1
ET 2.2K	4116R-001-2.2K	BOURN	128.2223	1
ET 10K	698-3-R10K-F	BECK	128.3103	1

	ASSEMBLY NO.	REV
3 (H-P/FB)	004.0753	D

PAGE 9

REFERENCE DESIGNATORS	PART DESCRIPTION	DRIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	CONN: 8PIN R/A HDR F/L 9751081	09-75-1081	MOLEX	354.0020	1
NONE	CONN: 2PIN R/A HDR F/L 9751021	09-75-1021	MOLEX	354.0022	1
E1 E2 E3 E4 E7	CONN, PLUG: SHORTING (LOW PROF)	4612872-01-03-10	CTC	352.0202	5
NONE	SOCKET: JMPR (USE W/352.0202)	4303327-01-0300	CTC	353.0104	10
TP1	CONN: TERM PIN .025 WW (NAIL)	W98-025-560-GH-GOLD	A/S	354.0003	1
NONE	SPACER: NYL SNAP-BTN (MB1-156)	MB-1-156	P&MC	376.2109	7
NONE	WIRE: BUSS TINNED #22GA			378.0601	.3
NONE	SLVNG: PLASTIC FBRGLS #22AWG			378.5221	.2

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	MAINBOARD ASSY 753 (H-P/FB)	004.0753	D

PAGE 11

TION	DRIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
V 400MW			131.9510	1
00MA			132.0277	1
IV 200MW			132.0457	1
2N4249)			136.4249	1
FET	MPD-5566	NSC	138.5566	1
+/-10%	1641-105	DELVN	150.2100	1
DIP 1A	1503-8-1	WABSH	175.1505	1
DIP 1C	815-244-11	WABSH	175.1506	1
DIP 2A	1303-7-1	WABSH	175.1507	1
HDR 2AP ST LK	3429-1002&3305-2	3M	352.2601	1
14PIN DIP			353.1403	1

	ASSEMBLY NO.	REV
753 (H-P/FB)	004.0753	D

PAGE 10

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO • CALIFORNIA
MATERIAL	PROJENGR		TITLE
	RELEASE APPROV		PARTS LIST MAIN BOARD ASSEMBLY
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED XXX ±.010 ANGLES ± XX ±.030		
	DO NOT SCALE DWG		MODEL NO. 753 DWG NO. 004.0753 REV D
	SCALE		CODE IDENT 23338 SHEET 2 OF 2

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REV	ECN	BY	DATE	APP

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	FX MONO 0.1UF 50V Z5U	SR215E104ZAT	AVX	100.4102	1
NONE	RES.FX CFLM 150 OHM 5% 1/4W			116.1151	1
NONE	RES.FX CFLM 10K OHM 5% 1/4W			116.3101	1
NONE	U: DUAL PRPHL DRIVER (75451)	SN75451BN/P3	TI	120.4451	1
NONE	U: OPTO-ISOLATOR (TIL-112)	TIL-112	TI	120.9112	1
NONE	ASSY, PC BD PREPPED 751-752-01-0780	751-752-01-2715	WVTK	1208-00-2715	1
NONE	U: HEX INVERT DRIVER O/C			122.7406	1
NONE	U: 8 BT LATCH 3-ST (74LS373)	74LS373NP3	SIG	125.0147	1
NONE	U: PULL UP NET 10K 2% X9 SIP	110A103	AB	128.3104	1
NONE	CONN, PLUG: HDR 26P DIL RT ANG ST LK	3429-1002&3505-2	3M	352.2601	1
NONE	CONN, PLUG: HDR 50P DIL RT ANG ST LK	3433-1202	3M	352.5002	1
NONE	CONN: TERM. TEST POINT	61134-1	AMP	354.0027	1

WAVETEK PARTS LIST | TITLE: BCD INTERFACE ASSY 751/752 | ASSEMBLY NO. 004.0780 | REV B

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	SPACER: NYL SNAP-BTN (MB1-156)	MB-1-156	P&MC	376.2109	7

WAVETEK PARTS LIST | TITLE: BCD INTERFACE ASSY 751/752 | ASSEMBLY NO. 004.0780 | REV B

REMOVE ALL BURRS AND BREAK SHARP EDGES | MATERIAL | FINISH WAVETEK PROCESS | DRAWN | DATE | PROJENGR | RELEASE APPROV | TOLERANCE UNLESS OTHERWISE SPECIFIED XXX ± .010 ANGLES ± 1 XX ± .030 | DO NOT SCALE DWG | SCALE

WAVETEK SAN DIEGO, CALIFORNIA

TITLE: PARTS LIST BCD INTERFACE ASSY

751/752/753 | 004.0780 | REV B

CODE IDENT 23338 | SHEET 1 OF 1

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REV	DESCRIPTION	BY	DATE	APP

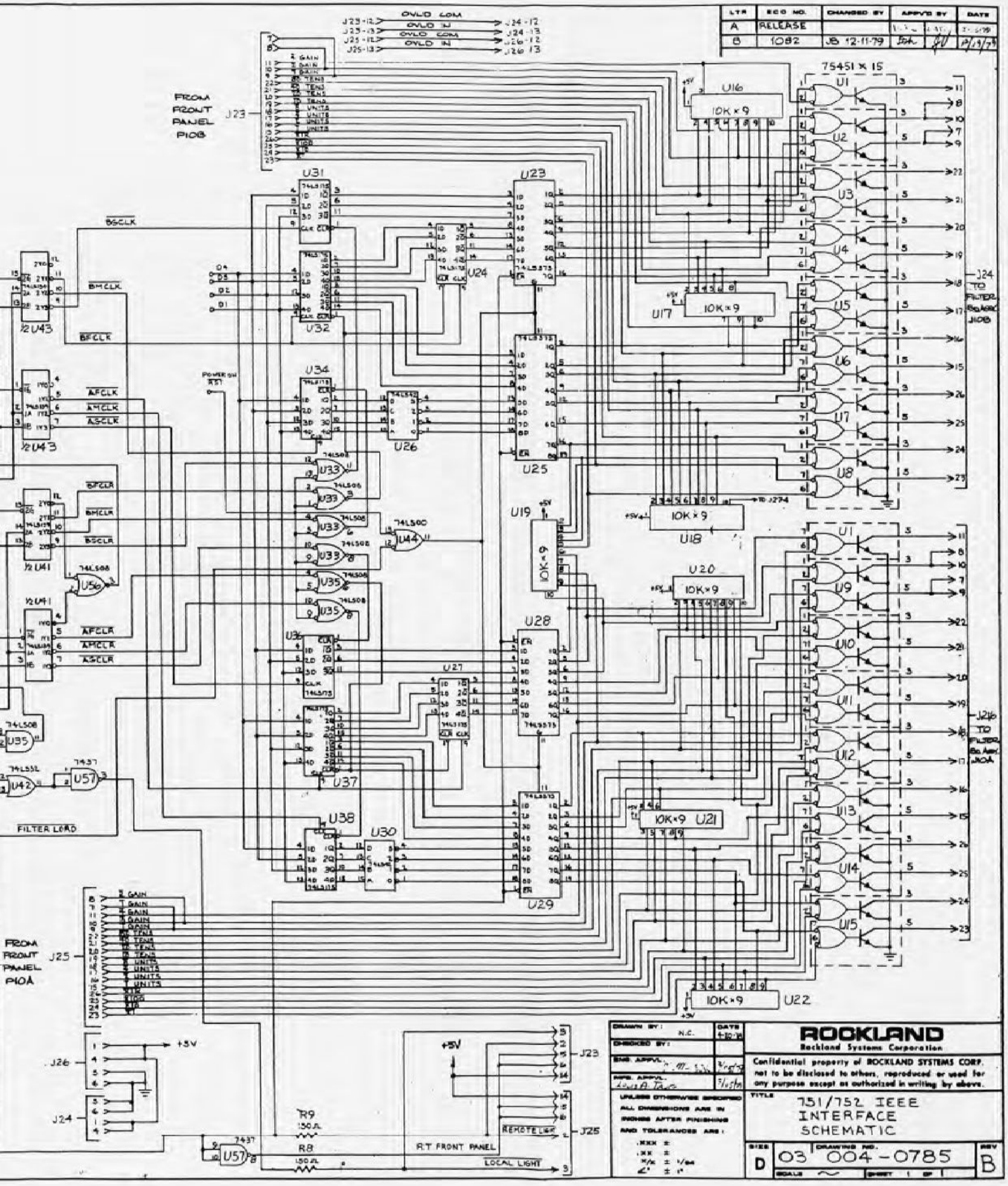
REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	IEEE INTERFACE ASSY 751/752			004.0785	1
NONE	CABLE ASSY: INT/FILT 751 (3")			009.9782	1
NONE	CABLE ASSY: IEEE INTERFACE 751			009.9783	1
NONE	CABLE ASSY: IEEE INTERFACE 751			009.9785	1

WAVETEK PARTS LIST	TITLE: IEEE INTERFACE OPT. 02 751-2-3	ASSEMBLY NO. 000.0785	REV A

PAGE 1

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJ ENGR		TITLE: PARTS LIST IEEE INTERFACE OPTION 002
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED .XXX ± .010 ANGLES ± 1 .XX ± .030		
	DO NOT SCALE DWG		MODEL NO. 751/752/753 DWG NO 000.0785 REV A
	SCALE		CAGE IDENT 23338 SHEET 1 OF 1

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LTR	ECO NO.	CHANGED BY	APPV'D BY	DATE
A	RELEASE			
B	1082	JB 12-11-79		

DRAWN BY: N.C. DATE 4-30-79
CHECKED BY:
ENG. APPVL.
MFG. APPVL.
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .XX ± X/X ± 1/64 ∠° ± 1°

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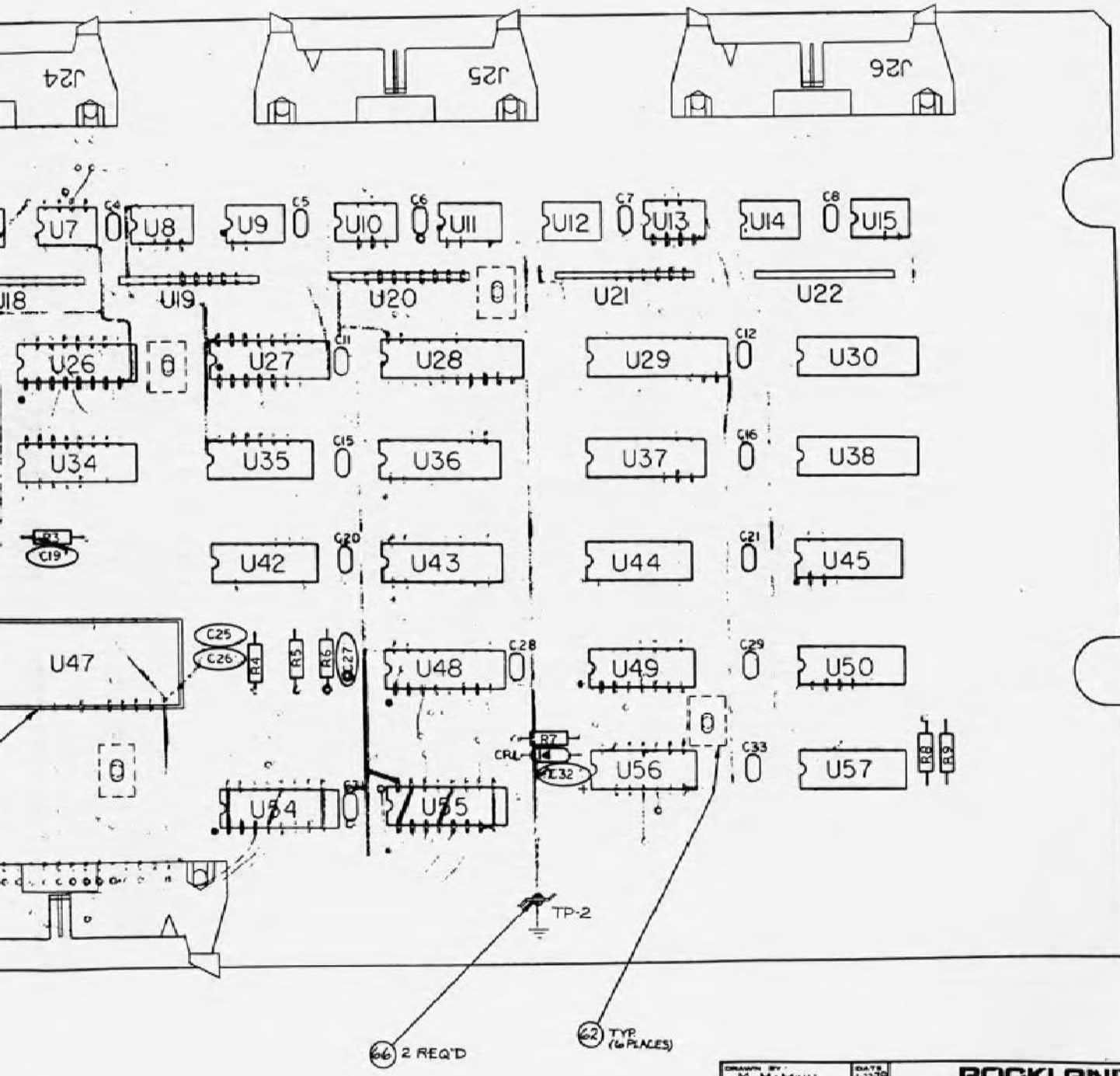
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TITLE
751/752 IEEE INTERFACE SCHEMATIC

SIZE D | DRAWING NO. 03 004-0785 | REV B
SCALE ~ | SHEET 1 OF 1

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LTR	ECO NO.	CHANGED BY	APPV'D BY		DATE
A	RELEASE		RAC	LAT.	3/15/79
B	1026	M.McMINN	RAC	LAT	3/30/79



DRAWN BY: M.McMINN	DATE: 12-79	ROCKLAND Rockland Systems Corporation
CHECKED BY:	DATE: 2/16/79	Confidential property of ROCKLAND SYSTEMS CORP. not to be disclosed to others, reproduced or used for any purpose except as authorized in writing by above.
ENG APPVL: RAC	DATE: 3/15/79	
MFG APPVL: Louis A. Tate	DATE: 3/16/79	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE: .XXX ± .005, .XX ± .01, X/X ± 1/64, ∠° ± 1°

TITLE: ASSEMBLY 751/752 IEEE INTERFACE

SIZE D | DRAWING NO 02 004 0785 | REV B | SCALE 2/1 | SHEET | OF 3

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REV	ECN	BY	DATE	APP

RIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
D 751/752			022.0004	1
.1UF 50V Z5U	SR215E104ZAT	AVX	100.4102	1
FX VAL DIP F 200 PPM	CM05CD050D0	CDE	101.0050	1
FX VAL DIP -20+100PPM/C	CM05ED470J03	CDE	101.0470	1
L, DIP MICA 0 TO+70PPM/C	CD15FD471J03	CDE	101.1470	1
.OUF 20% 35V	T368A105M035AC2513	KEMET	109.5100	1
FLM 150 OHM			116.1151	1
FLM 470 OHM			116.1471	1
FLM 4.7K OHM			116.2471	1
FLM 27K OHM			116.3271	1
BUS DRIVER	MC3448AL	MOT	120.4448	1

	ASSEMBLY NO.	REV
E ASSY 751/752	004.0785	B
	PAGE 1	

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	U: QUAD 2 IN NAND BUFFER	74LS37N/P3	TI	125.7437	1
NONE	U: BCD TO DECIMAL DECODER	74LS42PC	SIG	125.7442	1
NONE	U: DUAL TYPE D FLIP FLOP	74LS74N/P3	SIG	125.7474	1
NONE	U: PULL UP NET 10K 2% 19 SIP	116A103	AB	128.3104	1
NONE	SL LN LK 70PIV 200MW (1N457)			132.0457	1
NONE	CONN, PLUG: HDR 26P DIL RT ANG ST LK	3429-1002&3505-2	3M	352.2601	1
NONE	CONN, PLUG: HDR 34P DIL RT ANG ST LK	3431-1202	3M	352.3400	1
NONE	SOCKET: IC 28PIN DIP ST			353.2800	1
NONE	CONN: TERM. TEST POINT	61134-1	AMP	354.0027	1
NONE	SPACER: NYL SNAP-STN (MB1-156)	MB-1-156	PEMC	376.2109	6

WAVETEK PARTS LIST	TITLE	ASSEMBLY NO.	REV
	IEEE INTERFACE ASSY 751/752	004.0785	B
		PAGE 3	

CRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
PRPHL DRIVER	SN75451BN/P3	TI	120.4451	1
BD PREPPED -0785	751-2-02-2717	WVTK	1208-00-2717	1
STBL MVBRTR	SN74123N/P3	TI	122.0107	1
COMPARATOR	N9324N/S28	SIG	122.9324	1
D FLIP-FLOP	N74LS175N/S28	SIG	125.0110	1
04 LN DECOD	74LS139N/AT	NSC	125.0116	1
LATCH 3-ST	74LS373NP3	SIG	125.0147	1
2 IN NAND	74LS00N/S28	TI	125.7400	1
2IN NOR GATE	74LS02N/S	TI	125.7402	1
NVERTER	74LS04N/S28	SIG	125.7404	1
2 IN AND GATE			125.7408	1
E 3 IN NAND	74LS10N/S28	SIG	125.7410	1
2 IN OR GATE	74LS32N/S28	SIG	125.7432	1

	ASSEMBLY NO.	REV
E ASSY 751/752	004.0785	B
	PAGE 2	

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJ ENGR		TITLE: PARTS LIST IEEE INTERFACE ASSY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED .XXX ±.010 ANGLES ±1 .XX ±.030		
	DO NOT SCALE DWG	MODEL NO. 751/752/753	DWG NO. 004.0785 REV B
	SCALE	IDENT 23338	SHEET 1 OF 1

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LTR	ECO NO.	CHANGED BY	APPD BY	DATE
A	RELEASE			

DRAWN BY: M. McMINN	DATE: 1-29-79
CHECKED BY:	
ENG APPVL:	
MFG APPVL:	

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES AFTER FINISHING AND TOLERANCES ARE:
.XXX ±
.XX ±
X/X ± 1/64
∠° ± 1°

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TITLE
IEEE PADDLE BOARD
SCHEMATIC
751 / 752

SIZE	DRAWING NO.	REV
C	03 009 9785	A

SCALE: NA SHEET: OF

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LTR	ECO NO.	CHANGED BY	APPV'D BY	DATE
A	RELEASE		LAT.	
B	1082	JB 12-4-79	LAT	
C	1106	SAM 4-1-81	LAT	

SIZE, SHT N°3 IS 'A' SIZE 4/M

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TITLE: ASSEMBLY IEEE PADDLE BOARD 751/752

SIZE B | DRAWING NO. 02 009 9785 | REV C | SCALE 2/1 | SHEET 1 OF 3

LTR	ECO NO.	CHANGED BY	APPV'D BY	DATE
	SEE SHT. NO 1	SAL 2-17		

REFERENCE DESIGNATORS	PART DESCRIPTION	ORIG-MFGR-PART-NO	MFGR	WAVETEK NO.	QTY/PT
NONE	PC: PADDLE BD IEEE (751/752)			320.0773	1
DC1	S: DIP 8 POLE 2 POS	76SB08	GRAHL	342.8100	1
J28	CONN: RIB SKT CHASSIS 24 CNT	57-2024002	AMPH	351.2403	1
NONE	SOCKET: IC 16PIN DIP HOR	16-823-90	ARIES	353.1605	1
NONE	SOCKET: 24PIN DIL LOCK CLSEND	3414-7034	3M	353.3402	1
NONE	CONN: BD/CABLE 34CONT .050	3402-0000	3M	354.3400	1
NONE	CONN MTG PLATE: IEEE 752, FIN			371.1015	1
	CABLE: 34CND RIB 28GA STR .050	3365/34	3M	378.4018	13
NONE	WASHER: SPLT LK STNLS #8			388.1082	2
NONE	GUIDE PIN ASSY FEM METRIC	552633-3	AMP	389.7004	2

WAVETEK PARTS LIST | TITLE: CABLE ASSY: IEEE INTERFACE 751 | ASSEMBLY NO. 009.9785 | REV | PAGE 1

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TITLE: ASSEMBLY IEEE PADDLE BOARD 751/752

SIZE B | DRAWING NO. 02 009 9785 | REV C | SCALE 2/1 | SHEET 2 OF 3

REMOVE ALL BURRS AND BREAK SHARP EDGES	DRAWN	DATE	WAVETEK SAN DIEGO, CALIFORNIA
MATERIAL	PROJ ENGR		TITLE: IEEE PADDLE BOARD ASSEMBLY
	RELEASE APPROV		
FINISH WAVETEK PROCESS	TOLERANCE UNLESS OTHERWISE SPECIFIED XXX ± .010 ANGLES ± 1 XX ± .030		
	DO NOT SCALE DWG		MODEL NO 751/752/753 | DWG NO 009.9785 | REV
	SCALE		CODE IDENT 23338 | SHEET 1 OF 1

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ERRATA
FOR
INSTRUCTION MANUAL
MODELS 751A, 752A and 753A
BRICKWALL FILTERS
DATED 3/87

Make the following changes to the manual:

Page 1-2, Paragraph 1.4.1, Accuracy:
Change "0.3 ± 0.1 dB at F_c" to "Low Pass: -0, +2.5%
High Pass: +0, -2.5%".

Page 1-2, Paragraph 1.4.2, Accuracy:
Change "± 0.2 dB" to "± 0.25 dB" (two locations).

Page 1-2, Paragraph 1.4.3, Passband Response:
Change "Low-pass channel: 0.3 dB p-p; High-pass channel: 0.3 dB p-p (-3 dB at approximately 400 kHz)." to "Low-pass channel: 0.8 dB p-p maximum; High-pass channel (753A): 0.8 dB p-p maximum for $F_c \leq 40$ kHz; High-pass channel (751A, 752A): 0.8 dB p-p maximum for $F_c \leq 40$ kHz, 1.4 dB p-p maximum for $F_c > 40$ kHz".
Amplifier cutoff: -3 dB at approximately 400 kHz.

Page 1-2, Paragraph 1.4.3, Stopband Attenuation:
Change "Low-Pass Channel" and "High-Pass Channel" columns as shown:

Low-Pass Channel	High-Pass Channel
0.8 dB (dc to F_c)	0.8 dB at F_c
40 dB ±4 dB at 1.34 F_c	40 dB ±4 dB at 0.75 F_c
60 dB ±4 dB at 1.53 F_c	60 dB ±4 dB at 0.65 F_c
>76 dB at 1.7 F_c	>76 dB at 0.6 F_c

Page 1-2, Paragraph 1.4.3, Maximum Stopband Attenuation:
Change "Low-pass channel: 85 dB (typical); 80 dB (minimum) to 10 MHz. High-pass channel: 85 dB (typical); 80 dB (minimum)." to "Low-pass channel: 90 dB (typical); 80 dB (minimum) for $F > 2F_c$. High-pass channel: 90 dB (typical); 80 dB (minimum) for $F < .5F_c$.".

Page 1-2, Paragraph 1.4.3, Amplitude Match:
Change "±0.1 dB, dc to 0.8 F_c. ±0.2 dB, 0.8 F_c to F_c." to
"±0.25 dB, dc to 0.8 F_c. ±0.4 dB, 0.8 F_c to F_c."

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Page 1-3, Paragraph 1.4.5, Noise (1 MHz detector BW):
Change "< 80 dB below full-scale ..." to "better than 80 dB below full-scale ...".

Page 1-3, Paragraph 1.4.5, DC Offset:
Change "Adjustable to 0 Vdc; < ± 10mV" to "< ± 50mV, adjustable to 0Vdc.".

Page 1-3, Paragraph 1.4.7:
Delete "Specifications apply when most ... digits are used.".

Page 5-1, Table 5-2, Step 1:
Change "Desired Measurement" from "0 ± 0.2 dB" to "0 ± 0.25 dB".

Page 5-3, Table 5-3, Step 1:
Change "Desired Measurement" from "0 ± 0.2 dB" to "0 ± 0.25 dB".

Page 5-4, Table 5-4, Step 1:
Change "Desired Measurement" from "0 ± 0.2 dB" to "0 ± 0.25 dB".

Drawing 03-004-0753:
Change C84 from 240 pf to 300 pf.
Change C100 from 200 pf to 150 pf.

Parts List 004.0753 Sheet 1 of 2:
For row with "WAVETEK NO. 101.1150", change QTY/PT from "1" to "2".
Delete entire entry for "WAVETEK NO." shown as "101.1200".
Delete entire entry for "WAVETEK NO." shown as "101.1240".
For row with "WAVETEK NO. 101.1300", change QTY/PT from "1" to "2".

Parts List 004.0760 Sheet 2 of 2:
For row with "J28", change "57-2024002" to "57-20240-2".
For row with "WAVETEK NO. 175.1506", change ORIG-MFGR-PART-NO from "815-244-11" to "815-244-114".

Parts List 004.0750 Sheet 2 of 2:
For row with "WAVETEK NO. 175.1506", change ORIG-MFGR-PART-NO from "815-244-11" to "815-244-114".

Parts List 004.0753 Sheet 2 of 2:
For row with "WAVETEK NO. 175.1506", change ORIG-MFGR-PART-NO from "815-244-11" to "815-244-114".

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