

STABILIZED CRYSTAL OSCILLATOR

MODEL TRX-1

REV C

TITLE

USED ON
MODEL SECTION

LIST SECTIONS

1. SUPPORTING NOTES
2. SUPPORTING LISTS
3. ELECTRICAL/MECHANICAL
4. SUPP ASSY/REF DWGS
5. SPECIFICATIONS
6. LOOSE ITEMS
7. PARTS PECULIAR

SHEET NO.
SEE BELOW

1
2-23
24-25
26
27-28
NONE REQ

LAST SYMBOLS

C164	P102	XDS101	FL101
CR106	R139	XF101	
DS101	S103	XT101	
EV106	T103	XV106	
F101	V106	XY113	
J110	W102	Y113	
L118	XCR106	Z101	

COMPILED W. GENTILE
CHECKED L. GABEL JS
APPROVED L. GABEL
FNL APPR *L. Gabel*
ISS DATE 1-20-64

MISSING SYMBOLS

C124 XCR101 XCR102

SPECIAL SYMBOLS

P101-SEE AO111

NOTE 1. THE FOLLOWING
SYMBOL, #, IN THE REMARKS
COLUMN INDICATES THAT THE
PART NUMBER IMMEDIATELY
FOLLOWING IT IS THE TMC
PROPRIETARY MANUFACTURING
DRAWING FOR THE CORRES-
PONDING NUMBER IN THE PART
NUMBER COLUMN.

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 1 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION SUPPORTING LISTS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	A4449	FIL,RAD INTFER		A2668		1	FL101
1	A0111	OVEN,OSCILLATOR	NPL	A2667		1	Z101

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1		
													SHEET	2	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
1	A2440-1	MACH, TB		A2440-2		1										
1	A2440-2	MARKING, TB		A2440-3		1										
1	A2440-3	SUB-ASSY, TB		A2440-4		1										
1	A2442-1	MACH, TB		A2442-2		1										
1	A2442-2	MARKING, TB		A2442-3		1										
1	A2442-3	SUB-ASSY, TB		A2442-4		1										
1	A2443-1	MACH, TB		A2443-2		1										
1	A2443-2	MARKING, TB		A2443-3		1										
1	A2443-3	SUB-ASSY, TB		A2443-4		1										
1	A2499-1	MACH, TB		A2499-2		1										
1	A2499-2	MARKING, TB		A2499-3		1										
1	A2499-3	SUB-ASSY, TB		A2499-4		1										
1	A3120-1	MACH, TB		A3120-2		1										
1	A3120-2	MARKING, TB		A3120-3		1										
1	A3120-3	SUB-ASSY, TB		A3120-4		1										
2	BB101	BRG, PNL		A2666		2										
1	BI100-51	LAMP, NEON		A2666		1	DS100									
1	BI101-44	LAMP, INCAND.		A2666		1	DS101									

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1		
													SHEET	3	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
	BS100	SOLDER, TIN ALY		A2440-4												
				A2442-4												
				A2443-4												
				A2499-4												
				A2667												
				A2668												
				A2669												
				A2672												
				A3120-4												
				AC171												
				CA719												
				CL303												
				TR178												
				TT190												
1	BX204-1	CASE, CYL, PLSTC		TR178		1										
1	CC100-15	CAP., FXD, CER		A2667		1	C121									
10	CC100-16	CAP., FXD, CER		A2442-4		1	C102									
				A2442-4		1	C103									
				A2667		1	C109									
				A2667		1	C120									
				A2667		1	C133									
				A2443-4		1	C135									
				A2667		1	C145									
				A2667		1	C146									
				A2667		1	C147									
				A2667		1	C148									

MATERIAL LIST		REV.	A	B	C	D											MODEL	TRX-1		
																	SHEET	4	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
7	CC100-24	CAP., FXD, CER						A2667		1	C106									
								A3120-4		1	C113									
								A2443-4		1	C132									
								A2443-4		1	C134									
								A3120-4		1	C139									
								A3120-4		1	C141									
								A3120-4		1	C142									
2	CC100-28	CAP., FXD, CER						A2440-4		1	C115									
								A2440-4		1	C116									
1	CC100-29	CAP., FXD, CER						A2667		1	C119									
5	CC100-32	CAP., FXD, CER						A2667		1	C111									
								A2667		1	C149									
								A2667		1	C150									
								A2667		1	C151									
								A2667		1	C152									
1	CC100-35	CAP., FXD, CER						A2667		1	C118									
	CD101-1MW	CORD, LACING	BLK					CA717												
			BLK					CA719												
2	CE105-125-15	CAP., FXD, ELECT.						A2440-4		1	C122									
								A2440-4		1	C123									
1	CE112-4	CAP., FXD, ELECT.						A2669		1	C144									
1	CE112-5	CAP., FXD, ELECT.						A2669		1	C143									
2	CF122-1	FORM, COIL						AC171		1										
								TT190		1										
1	CI116-5	CORE, TUNING						TT190		1										

MATERIAL LIST		REV.	A	B	C	D								MODEL	TRX-1
														SHEET 5	OF 28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS								
				USED ON	USED TO MOUNT	QUAN.									
1	CI116-6	CORE , TUNING		AC171		1									
18	CI120-1	CORE , TOROID		A2667		3	L104.1, .2, .3								
				A2667		3	L105.1, .2, .3								
				A2667		3	L110.1, .2, .3								
				A2667		3	L111.1, .2, .3								
				A2667		3	L117.1, .2, .3								
				A2667		3	L118.1, .2, .3								
1	CI128-1	CORE , TOROID		TR178		1									
3	CL140-1	COIL, RF, FXD		A2443-4		1	L107								
				A3120-4		1	L108								
				A3120-4		1	L109								
1	CL140-5	COIL, RF, FXD		A3120-4		1	L103								
1	CL240-1.2	COIL, RF, FXD		A2442-4		1	L101								
2	CL240-8.2	COIL, RF, FXD, MLD		A2667		1	L115								
				A2667		1	L116								
1	CL240-47	COIL, RF, FXD		A2443-4		1	L106								
1	CL240-120	COIL, RF, FXD, MLD		A2667		1	L102								
1	CM15F101J03	CAP. , FXD, MICA		A2667		1	C108								
2	CM15C100J03YY	CAP. , FXD, MICA		A2499-4		1	C126								
				A2499-4		1	C127								
1	CM15B150K03	CAP. , FXD, MICA		A2443-4		1	C130								
1	CM15C220J03	CAP. , FXD, MICA		A2672		1	C164								
1	CM15F201J03	CAP. , FXD, MICA		TT190		1									
2	CM15C240J03	CAP. , FXD, MICA		A2442-4		1	C107								
				A2667		1	C163								
1	CM15C470J03	CAP. , FXD, MICA		A3120-4		1	C136								

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MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1		
													SHEET	6	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
1	CM100-14	CAP., FXD, MICA		A3120-4		1	C137									
1	CM15F331G03	CAP., FXD, MICA		A2443-4		1	C131									
2	CM15F471G03	CAP., FXD, MICA		A2440-4 A2440-4		1 1	C114 C117									
2	CM20F681G03	CAP., FXD, MICA		A2442-4 A2667		1 1	C104 C110									
1	CM111C101K5S	CAP., FXD, MICA		AC171		1										
2	CM111C102K1S	CAP., FXD, MICA		A2667 AC171		1 1	C105									
4	CN114R10-4J	CAP., FXD, MYLAR		A2442-4 A3120 A3120 A3120		1 1 1 1	C101 C112 C138 C140									
10	CR27/U-FREQ	XTAL UNIT, QTZ		A2667 A2667 A2667 A2667 A2667 A2667 A2667 A2667 A2667 A2667 A2667		1 1 1 1 1 1 1 1 1 1 1	Y101 Y102 Y103 Y104 Y105 Y106 Y107 Y108 Y109 Y110									

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MATERIAL LIST		REV.	MODEL TRX-1										SHEET 7 OF 28	
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS							
				USED ON	USED TO MOUNT	QUAN.								
1	CR27/U-3.500	XTAL UNIT,QTZ		A2667		1	Y113							
1	CR47A/U-.452	XTAL UNIT,QTZ		A2667		1	Y112							
1	CR47A/U-.458	XTAL UNIT,QTZ		A2667		1	Y111							
1	CU102-2	CLAMP,LOOP		CA719		1								
2	CU102-3	CLAMP,LOOP		CA719		2								
1	CU138	BLK,MTG,POL		A2673 A2673 A2673 A2673		1	XCR103 XCR104 XCR105 XCR106							
4	CU139-2B	FERRULE,HDL		A2666		4								
1	CU141-1	RETAINER,CAP.		A2669		1								
1	CU141-3	RETAINER,CAP.		A2669		1								
10	GV112-1	CAP.,VAR,CER		A2499-4 A2499-4 A2499-4 A2499-4 A2499-4 A2499-4 A2499-4 A2499-4 A2499-4 A2499-4		1 1 1 1 1 1 1 1 1 1	C153 C154 C155 C156 C157 C158 C159 C160 C161 C162							
3	CV112-2	CAP.,VAR,CER		A2499-4 A2499-4 A2499-4		1 1 1	C125 C128 C129							

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MATERIAL LIST		REV.	A B C D										MODEL	TRX-1
													SHEET	9 OF 28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS							
				USED ON	USED TO MOUNT	QUAN.								
2	HA102-11BN	HANDLE		A2666		2								
1	JJ120-2	CONN, RECP		A2667		1	J109							
1	JJ175	CONN, RECP, AC		A2668		1	J108							
1	JJ193-9P	CONN, RECP		A2667		1	J110							
15	LA101	MARKER, WIRE	NO. 1	CA717		1								
			NO. 2	CA717		1								
			NO. 3	CA717		1								
			NO. 4	CA717		1								
			NO. 5	CA717		1								
			NO. 6	CA717		2								
			NO. 7	CA717		2								
			NO. 8	CA717		2								
			NO. 9	CA717		2								
			NO. 10	CA717		2								
1	LD1050/MS2900	PANEL, FRONT		A2666		1								
1	LD1130/MS2938	CHAS, PWR SUP		A2669		1								
1	LD1132/MS2944	CHAS, MAIN		A2667		1								
1	LD1190/MS3096	PLATE, REAR		A2668		1								
1	LD1192/MS2937	BRKT, SPT, SW		A2672		1								
19	LWE04MRN	WASH., LK, EXT		A2667		15								
				A2669		4								
31	LWE06MRN	WASH., LK, EXT		A2665		7								
				A2667		16								
				A2668		4								
				A2669		4								

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MATERIAL LIST		REV.	A	B	C	D											MODEL	TRX-1		
																	SHEET	10	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
11	LWE08MRN	WASH. ,LK,EXT						A2667		2										
								A2669		9										
4	LWI08MRN	WASH. ,LK,INT						AC171		2										
								TT190		2										
24	LWS03MRN	WASH. ,LK,SPLIT						A2667		4										
								A2668		4										
								A2670		8										
								A2671		8										
12	LWS04MRN	WASH. ,LK,SPLIT						A2667		12										
2	MC102	CPLG,RIGID						A2672		2										
2	MP123-3FB	KNOB,INST.						A2665		1										
								A2666		1										
1	MP123-5FB	KNOB,INST.						A2665		1										
1	MS2900	PANEL,FRONT	MACH					LD1050		1										
1	MS2936	COV,PL,R SIDE						A2737		1										
1	MS2937	BRKT,SPT,SW	MACH					LD1192		1										
1	MS2938	CHAS,PWR SUP	MACH					LD1130		1										
1	MS2939	COV,BOT						A2665		1										
1	MS2940	COV, TOP						A2665		1										
1	MS2941	PL,L SIDE						A2671		1										
1	MS2943	PL,R SIDE						A2670		1										
1	MS2944	CHAS,MAIN	MACH					LD1132		1										
1	MS3096	PLATE,REAR	MACH					LD1190		1										
1	MS3106	COV,PL,XTAL						A2667		1										
1	MS3441	BRACKET,CAP ,STOP						A2669		1										
16	MWC22/7/U0	WIRE,ELEC	BLK					CA717		3										
			BLK					CA719		13										

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1		
													SHEET	11	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
32	MWC22/7/U1	WIRE,ELEC	BRN BRN BRN	A2440-4 A2667 CA717		2 24 6										
78	MWC22/7/U2	WIRE,ELEC	RED RED RED RED RED RED RED	A2442-4 A2443-4 A2667 A2672 A3120-4 CA717 CA719		3 11 2 1 8 32 21										
60	MWC22/7/U3	WIRE,ELEC	ORN ORN ORN ORN	A2442-4 A2443-4 A3120-4 CA719		4 4 36 16										
11	MWC22/7U4	WIRE,ELEC	YEL YEL YEL YEL	A2440-4 A2443-4 A2499-4 A3120-4		4 4 1 2										
28	MWC22/7/U5	WIRE,ELEC	GRN GRN GRN GRN GRN	A2440-4 A2442-4 A2443-4 A3120-4 CA719		4 5 4 5 10										
56	MWC22/7U6	WIRE,ELEC	BLU BLU BLU BLU BLU	A2440-4 A2442-4 A3120-4 CA717 CA719		3 3 2 24 24										
3	MWC22/7U7	WIRE,ELEC	VIO	A2440-4		3										

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MATERIAL LIST

REV.

ABCD

MODEL TRX-1

SHEET 12 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
3	MWC22/7/U8	WIRE,ELEC	GY	A2440-4		3	
12	MWC22/7/U90	WIRE,ELEC	WH/BLK	A2672		4	
			WH/BLK	CA409-90		2	
			WH/BLK	CA719		1	
				A2668		5	
17	MWC22/7/U91	WIRE,ELEC	WH/BRN	CA719		17	
40	MWC22/7/U92	WIRE,ELEC	WH/RED	A2443-4		4	
			WH/RED	A2499-4		1	
			WH/RED	A2669		4	
			WH/RED	A2672		3	
			WH/RED	A2673		3	
			WH/RED	A3120-4		2	
			WH/RED	CA409-92		2	
			WH/RED	CA717		4	
			WH/RED	CA719		17	
12	MWC22/7/U93	WIRE,ELEC	WH/ORN	A2442-4		3	
			WH/ORN	A2672		7	
			WH/ORN	CA717		2	
53	MWC22/7/U94	WIRE,ELEC	WH/YEL	A2442-4		3	
			WH/YEL	A2672		6	
			WH/YEL	A3120-4		2	
			WH/YEL	CA717		24	
			WH/YEL	CA719		18	
30	MWC22/7/U95	WIRE,ELEC	WH/GRN	A2440-4		4	
			WH/GRN	A2442-4		3	
			WH/GRN	A2672		6	
			WH/GRN	CA719		18	

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1		
													SHEET	13	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
33	MWC22/7/U96	WIRE ,ELEC	WH/BLU WH/BLU WH/BLU WH/BLU WH/BLU WH/BLU	A2442-4 A2669 A2672 A2673 CA409-91 CA719		3 5 6 2 2 15										
37	MWC22/7/U97	WIRE ,ELEC	WH/VIO WH/VIO WH/VIO WH/VIO WH/VIO WH/VIO	A2440-4 A2668 A2669 A2672 A2673 CA409-89 CA719		3 1 5 7 7 2 12										
16	MWC22/7/U98	WIRE ,ELEC	WH/GY WH/GY WH/GY	A2499-4 A2672 CA719		1 8 7										
1	NP102-61	PL, IDENT, COMM.		A2666		1										
1	NP536	PL, FREQ.		A2666		1										
5	NT101-4	RET, TUBE SOC		A2667		5										
2	NT101-5	RET, TUBE SOC		A2667		2										
15	NT129-632-4	NUT, PLN, SPLINE	RD RD	MS2938 MS2944		6 9										
2	NT129-832-4	NUT, PLN, SPLINE	RD	MS2937		2										
4	NTH0256BN6	NUT, PLN, HEX		A2667		4										

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MATERIAL LIST

REV.

A B C D

MODEL

TRX-1

SHEET

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OF

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QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
26	NTH0348BN6	NUT,PLN,HEX		A2667		4	
				A2668		4	
				A2670		8	
				A2671		8	
				AC171		1	
				TT190		1	
21	NTH0440BN6	NUT,PLN,HEX		A2499-3		13	
				A2667		8	
15	NTH0632BN8	NUT,PLN,HEX		A2667		10	
				A2668		2	
				A2669		8	
4	NTH0832BN8	NUT,PLN,HEX		AC171		2	
				TT190		2	
9	NTH0832BN10	NUT,PLN,HEX		A2669		9	
1	PL189-9S	CONN,PLUG		CA719		1	P102
2	PM691RF1. 375B	SHAFT,1/4 DIA.		A2672		2	
1	PO261-1	HEADER		TR178		1	
21	PX100-1-106	INS SLVG,SZ 10	BLK	CA719		21	
6	PX100-1-375	INS SLVG,SZ 3/8	BLK	CA719		6	
23	PX104-1-034	INS SLVG,SZ 20	BLK	A2440-4		4	
			BLK	A2442-4		3	
			BLK	A2443-4		3	
			BLK	A2667		7	
			BLK	A2668		1	
			BLK	A3120-4		5	
1	PX104-2-034	INS SLVG,SZ 22	YEL	A2667		1	

MATERIAL LIST		REV.	A	B	C	D									MODEL	TRX-1	
														SHEET	15	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS										
				USED ON	USED TO MOUNT	QUAN.											
1	PX104-3-034	INS SLVG,SZ 22	RED	A2672		1											
6	PX104-4-034	INS SLVG,SZ 22	GRN	A2667		6											
1	PX104-5-034	INS SLVG,SZ 22	BRN	A2667		1											
14	PX104-6-034	INS SLVG,SZ 22	BLU	A2667		14											
5	PX104-7-034	INS SLVG,SZ 22	GY	A2499-4		1											
			GY	A2667		4											
6	PX104-9-034	INS SLVG,SZ 22	VIO	A2667		6											
2	PX635	TERM. BOARD ,XFMR		AC171		1											
				TT190		1											
2	RC20GF101J	RES ,FXD ,COMP		A2442-4		1	R101										
				A2443-4		1	R132										
2	RC20GF101J	RES ,FXD ,COMP		A3120-4		1	R128										
				A3120-4		1	R129										
2	RC20GF102J	RES ,FXD ,COMP		A2440-4		1	R118										
				A2440-4		1	R123										
1	RC20GF103J	RES ,FXD ,COMP		A3120-4		1	R127										
3	RC20GF104J	RES ,FXD ,COMP		A2667		1	R107										
				A3120-4		1	R126										
				A2667		1	R138										
1	RC20GF120J	RES ,FXD ,COMP		A2667		1	R139										
3	RC20GF123J	RES ,FXD ,COMP		A2443-4		1	R124										
				CL303		1											
				CL303		1											

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1
													SHEET	16 OF 28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS							
				USED ON	USED TO MOUNT	QUAN.								
2	RC20GF151J	RES ,FXD ,COMP		A2440-4		1	R122							
				A2667		1	R135							
1	RC20GF221J	RES ,FXD ,COMP		A2667		1	R110							
1	RC20GF222J	RES ,FXD ,COMP		A2442-4		1	R134							
2	RC20GF333J	RES ,FXD ,COMP		A2443-4		1	R125							
				A2667		1	R109							
1	RC20GF391J	RES ,FXD ,COMP		A2667		1	R113							
2	RC20GF392J	RES ,FXD ,COMP		A2440-4		1	R114							
				A2440-4		1	R116							
1	RC20GF473J	RES ,FXD ,COMP		A2442-4		1	R105							
1	RC20GF680J	RES ,FXD ,COMP		A2667		1	R108							
2	RC20GF682J	RES ,FXD ,COMP		A2440-4		1	R117							
				A2440-4		1	R119							
3	RC32GF153J	RES ,FXD ,COMP		A2442-4		1	R102							
				A2442-4		1	R104							
				A2667		1	R112							
1	RC32GF223J	RES ,FXD ,COMP		A2667		1	R121							
1	RC32GF270J	RES ,FXD ,COMP		A2667		1	R120							
1	RC32GF392J	RES ,FXD ,COMP		A2442-4		1	R133							
1	RC32GF560J	RES ,FXD ,COMP		A2667		1	R106							
1	RC32GF561J	RES ,FXD ,COMP		A2442-4		1	R103							

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST

REV.

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MODEL TRX-1

SHEET 17 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	RC42GF100J	RES ,FXD ,COMP		A2669		1	R130
1	RC42GF683J	RES ,FXD ,COMP		A2669		1	R136
1	RE65G3481	RES ,FXD ,WW		A2667		1	R111
1	RE65G4020	RES ,FXD ,WW		A2667		1	R131
35	RG174/U	CBL,RF		A2668 A2672 CA451		8 14 13	
1	RV4LAYS102A	RES ,VAR ,COMP		A2667		1	R137
1	RV4LAYS502A	RES ,VAR ,COMP		A2667		1	R115
1	RY152	PADDING,XTAL COV		A2667		1	
4	SC106-1	BOLT,EYE-SPADE		A3029-2 A3029-2		2 2	
13	SC131-0440BN8	SCR,MACH,UNDC		A2499-3		13	
4	SC131-0632BN5	SCR,MACH,UNDC		A2669		4	
4	SCBP0256BN4	SCR,MACH		A2667		4	
4	SCBP0440BN3	SCR,MACH		A2669		4	
21	SCBP0440BN4	SCR,MACH		A2667		21	
2	SCBP0440BN5	SCR,MACH		A2667		2	
5	SCBP0632BN4	SCR,MACH		A2668 A2669		4 1	

MATERIAL LIST		REV.											MODEL	TRX-1	
													SHEET	18	OF 28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS								
				USED ON	USED TO MOUNT	QUAN.									
18	SCBP0632BN5	SCR, MACH		A2665		7									
				A2667		8									
				A2737		3									
1	SCBP0632BN6	SCR, MACH		A2669		1									
6	SCBP0632BN7	SCR, MACH		A2665		6									
5	SCBP0832BN4	SCR, MACH		A2669		5									
2	SCBP0832BN5	SCR, MACH		A2667		2									
24	SCFP0348BN4	SCR, MACH		A2667		4									
				A2668		4									
				A2670		8									
				A2671		8									
6	SCFP0440BN6	SCR, MACH		A2667		6									
17	SCFP0632BN5	SCR, MACH		A2665		1									
				A2667		2									
				A2736		3									
				A2737		11									
4	SCFP0632BN6	SCR, MACH		A2669		2									
				A2673		2									
4	SCFP1032BN8	SCR, MACH		A2666		4									
8	SFB0256SN3	SCR, TAP., THD CTG		A2666		8									
8	SLHC0632SP2	SETScrew, HDLS		A2672		8									

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1	
													SHEET	19	OF 28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS								
				USED ON	USED TO MOUNT	QUAN.									
4	SM140-2	BUSH, COIL, MTG		AC171		2									
				TT190		2									
1	SW119	SW, ROTARY		A2666		1	S103								
1	SW314	SW, ROTARY, BFO		A2672		1	S102								
1	SW315	SW, ROTARY, HFO		A2672		1	S101								
11	TE102-2	TERM. ,STUD, INS		A2667		7									
				A2669		4									
2	TE104-2	TERM. ,LUG		A2668		2									
8	TE108-2	SPACER, CLINCH		A2440-3		2									
				A2442-3		2									
				A2443-3		2									
				A3120-3		2									
2	TE108-25	SPACER, CLINCH		A2499-3		2									
4	TE111-2	TERM. ,LUG		A2668		4									
8	TE116-3	TERM. ,LUG		A2440-3		2									
				A2442-3		2									
				A2443-3		2									
				A3120-3		2									
1	TE135-2	SPACER, THD		A2669		1									
3	TE149-120	TERM. ,LUG		A2667		3									
4	TE149-144	TERM. ,LUG		A2667		2									
				A2668		2									

MATERIAL LIST

REV.

ABCD

MODEL

TRX-1

SHEET

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OF

28

QUAN.
PER UNIT

PART NO.

DESCRIPTION
ELECTRICAL/MECHANICAL

REF.

ITEM LOCATION

USED ON

USED TO
MOUNT

QUAN.

REF. SYMBOLS
AND/OR REMARKS

4

TE156-32949

TERM., LUG

CA409-89
CA409-90
CA409-91
CA409-92

1
1
1
1

116

TE168-4B

TERM., STUD

A2440-3
~~A2442-3~~
A2443-3
A3120-3
PX635
PX635

28
28
20
32
4
4

1

TF238

XFMR, PWR

A2669

1

T103

5

TS102P01

SOC, EL TUBE, 7/C

A2667
A2667
A2667
A2667
A2667

1
1
1
1
1

XV101
XV102
XV103
XV105
XV106

1

TS102U01

SHLD, EL TUBE

A2667

1

EV103

4

TS102U02

SHLD, EL TUBE

A2667
A2667
A2667
A2667

1
1
1
1

EV101
EV102
EV105
EV106

1

TS103P01

SOC, EL TUBE, 9/C

A2667

1

XV104

1

TS103U02

SHLD, EL TUBE

A2667

1

EV104

MATERIAL LIST		REV.	A B C D										MODEL	TRX-1		
													SHEET	21	OF	28
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
13	TS104-1	SOCKET,XTAL		A2499-3		1	XY101									
				A2499-3		1	XY102									
				A2499-3		1	XY103									
				A2499-3		1	XY104									
				A2499-3		1	XY105									
				A2499-3		1	XY106									
				A2499-3		1	XY107									
				A2499-3		1	XY108									
				A2499-3		1	XY109									
				A2499-3		1	XY110									
				A2499-3		1	XY111									
				A2499-3		1	XY112									
				A2499-3		1	XY113									
1	TS106-1	LIGHT,IND		A2666		1	XDS101									
1	TS106-2	LIGHT,IND		A2666		1	XDS100									
1	TS130MPW	SOC,EL TUBE 7/C		A2667		1	XT101									
7	UG625*/U	CONN,RECP,RF,BNC		A2668		1	J101									
				A2668		1	J102									
				A2668		1	J103									
				A2668		1	J104									
				A2668		1	J105									
				A2668		1	J106									
				A2668		1	J107									
13	WA109-17	WASH.,NM		A2499-3		13										
	WI104-541SNQS	WIRE,ELEC		AC171												
				TT190												
	WI107-19	WIRE,ELEC,MAG	SZ 38	TT190												
30	WI122-31	WIRE,ELEC,MAG	SZ 31	CL303		15										
			SZ 31	CL303		15										

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 22 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
10	WI141-31-2	WIRE ,ELEC ,MAG	RED	TR178		10	
15	WI141-31-5	WIRE ,ELEC ,MAG	GRN	TR178		15	
15	WI141-31-9	WIRE ,ELEC ,MAG	NAT	TR178		15	
4	WL100-6	WIRE ,ELEC ,BUSS	SZ 20	A2668		4	
56	WL100-7	WIRE ,ELEC ,BUSS	SZ 22	A2440-4		5	
				A2442-4		5	
				A2443-4		8	
				A2499-4		14	
				A2667		11	
				A2672		1	
				A3120-4		12	

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 23

OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION		QUAN.	REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT		
1	1N34A	SCOND DEV,DIO		A2440-4		1	CR102
4	1N1084A	SCOND DEV,DIO		A2673		1	CR103
				A2673		1	CR104
				A2673		1	CR105
				A2673		1	CR106
1	6AF4	ELECN TUBE		A2667		1	V103
2	6AU6	ELECN TUBE		A2667		1	V105
				A2667		1	V106
2	6EW6	ELECN TUBE		A2667		1	V101
				A2667		1	V102
1	7645	ELECN TUBE		A2667		1	V104

MATERIAL LIST		REV.	A B C D										MODEL TRX-1	
													SHEET 24 OF 28	
QUAN. PER UNIT	PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS							
				USED ON	USED TO MOUNT	QUAN.								
1	A2440-4	FNL ASSY,TERM,BD		A2667		1								
1	A2442-4	FNL ASSY,TERM,BD		A2667		1								
1	A2443-4	FNL ASSY,TERM,BD		A2667		1								
1	A2499-4	FNL ASSY,TERM,BD		A2667		1								
1	A2665	TRX-1 FNL ASSY		TRX-1		1								
1	A2666	PNL ASSY,FR		A2665		1								
1	A2667	CHAS ASSY,MN		A2736		1								
1	A2668	PL ASSY,REAR		A2665		1								
1	A2669	CHAS ASSY,PS		A2737		1								
1	A2670	PL ASSY,R SIDE		A2737		1								
1	A2671	PL ASSY,L SIDE		A2736		1								
1	A2672	SW ASSY,BFO/PWR		A2667		1								
1	A2673	BD ASSY,RECT		A2669		1								
1	A2736	CHAS/FRAME ASSY		A2665		1								
1	A2737	PS/SD PL ASSY		A2665		1								
2	A3029-2	CAN ASSY		AC171 TT190		1 1								

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 25 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	A3120-4	FNL ASSY, TERM. BD		A2667		1	
1	AC171	COIL, RF, ADJ	#A3049	A2667		1	L114
1	CA409-89-2.00	LEAD, ELEC		A2669		1	
1	CA409-90-2.00	LEAD, ELEC		A2669		1	
1	CA409-91-2.00	LEAD, ELEC		A2669		1	
1	CA409-92-2.00	LEAD, ELEC		A2669		1	
1	CA351-13.50	CBL ASSY, RF		CA717		1	
1	CA717	WRG HARN, MN		A2667		1	W101
1	CA719	WRG HARN, PWR SUP		A2669		1	W102
2	CL303	COIL, RF, ADJ	#A3050	A2667		1	L112
				A2667		1	L113
1	CH256	CHART, UNIT BRKDN		TRX-1		1	
1	CK589	DIAG, SCHEM		TRX-1		1	
1	CK629	DIAG, BLOCK		TRX-1		1	
1	TR178	XFMR, RF	#A3129	A2667		1	T101
1	TT190	XFMR, RF, ADJ	#A3048	A2667		1	T102

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 26 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION SPECIFICATIONS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	S799	TEST PROC		TRX-1		1	
1	S114	ZN CHROMATE PRM		TRX-1		1	
1	S115	ENAM SMOOTH GY		TRX-1		1	
1	S404	IRIDITE YEL		TRX-1		1	

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 27 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION LOOSE ITEMS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	CA555-3	SHIP THE FOLLOWING LOOSE ITEMS WHEN THE TRX-1 IS SHIPPED BY ITSELF. CBL ASSY,PWR CONSISTS OF		TRX-1		1	
1	PL176	CONN,PL,TWLCK,FM		CA555-3		1	
1	PL218	CONN,PL,ML,AC	3/C	CA555-3		1	
1	WI134-6-7	CABLE,PWR		CA555-3		1	

MATERIAL LIST

REV.

A B C D

MODEL TRX-1

SHEET 28 OF 28

QUAN. PER UNIT	PART NO.	DESCRIPTION LOOSE ITEMS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
		WHEN THE TRX-1 IS USED WITH THE DDR-7A AND DDR-9A, NO LOOSE ITEMS SHALL BE SUPPLIED.					

