

MATERIAL LIST		REV.	A B C D E F G H I J K L M N													MODEL	HFR-1/C		
																SHEET	1	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION SUPPORTING LISTS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
1	ML-PO-240	Control, Temperature, Oven		A-3077		1	A1301												

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	12	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
1	A-2281-1	Machining, Terminal Board, #1		A-2281-4		1														
1	A-2281-2	Lettering, Terminal Board, #1		A-2281-4		1														
1	A-2281-3	Sub-Assembly, Terminal Board, #1		A-2281-4		1														
1	A-2290-1	Machining, Terminal Board, #2		A-2290-4		1														
1	A-2290-2	Lettering, Terminal Board, #2		A-2290-4		1														
	A-2290-3	Sub-Assembly, Terminal Board, #2		A-2290-4		1														
1	A-2434-1	Machining, Terminal Board		A-2434-4		1														
1	A-2434-2	Lettering, Terminal Board		A-2434-4		1														
1	A-2434-3	Sub-Assembly, Terminal Board		A-2434-4		1														
1	A-2435-1	Machining, Terminal Board		A-2435-4		1														
1	A-2435-2	Lettering, Terminal Board		A-2435-4		1														
1	A-2435-3	Sub-Assembly, Terminal Board		A-2435-4		1														
1	CG21SL470J	Capacitor, Fixed, Ceramic		A-3077		1	C1301													
18	CC-100-16	Capacitor, Fixed, Ceramic, Disc, .01 uf		A-3077		3	C1207, 1208, 1210													
				A-3077		1	C1211													
				A-2290-4		1	C1213													
				A-3077		3	C1214, 1215, 1216													
				A-3077		3	C1219, 1220, 1221													
				A-2281-4		2	C1222, 1228													
				A-3077		3	C1304, 1305, 1306													
				A-3077		2	C1307, 1308													

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	3	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
8	CC-100-24	Capacitor, Fixed, Ceramic, Disc, .02 uf		A-3077		3	C1202, 1204, 1224													
				A-3077		2	C1310, 1318													
				A-2435-4		3	C1321, 1322, 1327													
2	CC-100-29	Capacitor, Fixed, Ceramic, Disc, .001 uf		A-2434-4		1	C1313													
				A-3077		1	C1340													
20	CC-100-37	Capacitor, Fixed, Ceramic, Disc, .01 uf		A-3077		3	C1218, 1232, 1233													
				A-2434-4		1	C1312													
				A-2435-4		3	C1319, 1320, 1323													
				A-2435-4		3	C1324, 1325, 1326													
				A-2435-4		3	C1328, 1329, 1330													
				A-2435-4		3	C1331, 1332, 1333													
				A-2435-4		2	C1334, 1335													
				A-3077		2	C1337, 1338													
1	CC100-32	Capacitor, Fixed, Ceramic, Disc, 0.1UF		A3077		1	C1341													
10	CC-100-35	Capacitor, Fixed, Ceramic, Disc, .02 uf		A-3077		2	C1201, 1203													
				A-2281-4		1	C1227													
				A-3077		3	C1234, 1235, 1236													
				A-3077		2	C1237, 1238													
				A-3077		2	C1302, 1336													
2	CE-105-125-15	Capacitor, Electrolytic, Tantalum		A-3077		2	C1206, 1209													
1	CE-112-2	Capacitor, Fixed, Electrolytic, 1700 uf		A-3077		1	C1314													
3	CE-112-3	Capacitor, Fixed, Electrolytic, 2600 uf		A-3077		3	C1315, 1316, 1317													
7	CF-122-1.93	Form, Coil, .250 OD		AC-145		1														
				AC-146		1														
				AC-147		1														
				TT-164		1														
				TT-165		1														
				TT-166		1														
				TT-174		1														

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	4	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
4	CI-11201-2ROF	Core, Ferramic		CL-291		2														
				CL-292		2														
2	CI-116-5	Core, Tuning	Red	AC-146		1														
				AC-147		1														
1	CI-116-6	Core, Tuning	Yellow	AC-145		1														
2	CI-116-18	Core, Tuning	Red	TT-174		2														
4	CI-126-1	Core, Tuning		TT-164		2														
				TT-165		1														
				TT-166		1														
4	CK70AW102M	Capacitor, Feed-thru		A-3077		3	C1239, 1240, 1241													
				A-3077		1	C1242													
1	CL-140-1	Coil, Fixed, RF, Molded, 2.5 mh		A-2435-4		1	L1310													
1	CL-140-5	Coil, Fixed, RF, Molded, .560 mh		A-3077		1	L1205													
3	CL-226-5	Coil, Fixed, RF, 50 uh		A-2435-4		3	L1302, 1303, 1304													
1	CL-240-120	Coil, Fixed, RF, Molded, 120 uh		A-3077		1	L1301													
1	CL-275-473	Coil, Fixed, RF, 56 uh, 56 uh		A-2290-4		1	L1204													
1	CM15B100K	Capacitor, Fixed, Mica		A-2281-4		1	C1226													

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	5	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
2	CM15B101K	Capacitor, Fixed, Mica		A-3077		2	C1223,1225													
1	CM15B121K	Capacitor, Fixed, Mica		AC-147		1														
1	CM15B150K	Capacitor, Fixed, Mica		A-3077		1	C1205													
1	CM15B151K	Capacitor, Fixed, Mica		A-3077		1	C1303													
1	CM15B221K	Capacitor, Fixed, Mica		A-2281-4		1	C1230													
1	CM15B431K	Capacitor, Fixed, Mica		TT-174		1														
1	CM15B470K	Capacitor, Fixed, Mica		A-2281-4		1	C1229													
1	CM15B511K	Capacitor, Fixed, Mica		TT-174		1														
1	CM15C201J	Capacitor, Fixed, Mica		A-3077		1	C1217													
1	CM15C471J	Capacitor, Fixed, Mica		A-3077		1	C1212													
1	CM20B152K	Capacitor, Fixed, Mica		A-3077		1	C1311													
1	CM111D102H1S	Capacitor, Fixed, Mica, 1000 uuf		A-3077		1	C1309													
2	CM111E201H5C	Capacitor, Fixed, Mica, 200 uuf		AC-146 AC-147		1 1														
1	CM111E470H5C	Capacitor, Fixed, Mica, 47 uuf		AC-145		1														
1	CM112E102D3C	Capacitor, Fixed, Mica, 1000 uuf		TT-164		1														
2	CM112E152D3C	Capacitor, Fixed, Mica, 1500 uuf		TT-165		2														

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A B C D E F G H I J K L M N													MODEL	HFR-1/C		
																SHEET	6	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
3	GM112E202D3C-	Capacitor, Fixed, Mica, 2000 uuf		TT-164		2													
				TT-166		1													
1	CV-109-6	Capacitor, Variable		A-3077		1	CI231												
3	DL-100-4	Dummy Load, Electrical		A-3077		3	AT1301,1302,1303												
3	EY-102-2	Grommet, Elastic		MS-2815		2													
1	EY-102-13	Grommet, Elastic		A-3077		1													
1	EY-102-14	Grommet, Elastic		A-3077		1													
3	FC-101-7	Clip, Fuse		A-3077-1		3													
7	FP-182-7	Can, Machining		A-3029-1		7													
7	JJ-172	Connector, Receptacle, Male		CA-702		3	J1302,1303,1304												
				CA-702		3	J1307,1309,1310												
3	JJ-211-2	Connector, Receptacle, RF		CA-702		1	J1313												
1	JJ-200-2	Connector, Receptacle, Male		A-3077		3	J1301,1308,1311												
1	JJ-256-2S	Connector, Receptacle, Female		CA-702		1	J1305												
				A-3077		1	J1306												
1	MS-2814	Chassis, Main	LD-1044	A-3077		1													
1	MS-2815	Bracket, Mtg., RF Shield, #4		A-3077		1													
1	MS-2816	Bracket, Mtg., RF Shield, #1		A-3077		1													
1	MS-2817	Bracket, Mtg., RF Shield, #2		A-3077		1													

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL	HFR-1/C
SHEET 7 OF 21																	
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS										
				USED ON	USED TO MOUNT	QUAN.											
		ELECTRICAL/MECHANICAL															
1	MS-2818	Bracket, Mtg., RF Shield, #3		A-3077			1										
1	MS-2916	Plate, Side, Right		A-3077			1										
1	MS-2917	Plate, Side, Left		A-3077			1										
1	MS-2920	Plate, Mounting, Capacitor		A-3077			1										
1	MS-2945	Plate, Diode	LD-1108	A-3077			1										
1	MS-2957	Plate, Rear		A-3077			1										
1	MS-3076	Bracket, Support		A-3077			1										
1	PL-169	Connector, Plug, RF		CA-480			1 P1303										
1	PL-189-9S	Connector, Plug		A-3077			1 P1301										
2	PL-204	Connector, Plug, Miniature		A-3077			1 P1201										
				CA-480			1 P1302										
1	PO-240	Control, Temperature, Oven NOTE: <u>This item must be purchased as a matched set with RR-131, Heater (See HFR-1/T ML)</u>		A-3077			1 A1301										
3	PX-610-1	Terminal Board, Mtg., Transformer		TT-164			1										
				TT-165			1										
				TT-174			1										

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	8	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
4	PX-635-1	Terminal Board, Mtg., Transformer		AC-145		1														
				AC-146		1														
				AC-147		1														
				TT-166		1														
2	RC20GF101K	Resistor, Fixed, Composition		A-3077		1	R1208, 1209													
1	RC20GF102K	Resistor, Fixed, Composition		A-2434-4		1	R1337													
1	RC20GF103K	Resistor, Fixed, Composition		A-2434-4		1	R1312													
3	RC20GF104K	Resistor, Fixed, Composition		A-3077		2	R1201, 1226													
				A-2435-4		1	R1335													
2	RC20GF105K	Resistor, Fixed, Composition		A-3077		1	R1205													
				A-2281-4		1	R1233													
2	RC20GF122K	Resistor, Fixed, Composition		A-3077-4		2	R1204, 1303													
				A-3077		1	R1303													
2	RC20GF151K	Resistor, Fixed, Composition		A-3077		2	R1219, 1225													
3	RC20GF153K	Resistor, Fixed, Composition		A-3077		1	R1308													
				A-2435-4		1	R1336													
				TT-166		1														
1	RC20GF181K	Resistor, Fixed, Composition		A-3077		1	R1329													
1	RC20GF182J	Resistor, Fixed, Composition		A-3077		1	R1321													
3	RC20GF222K	Resistor, Fixed, Composition		A-3077		2	R1220, 1223													
				A-3077		1	R1322													

MATERIAL LIST		REV.	A B C D E F G H I J K L M N													MODEL	HFR-1/C	
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS											
				USED ON	USED TO MOUNT	QUAN.												
4	RC20GF223K	Resistor, Fixed, Composition		A-3077		3	R1203,1221,1222											
				A-2434-4		1	R1305											
1	RC20GF224K	Resistor, Fixed, Composition		A-3077		1	R1314											
1	RC20GF273K	Resistor, Fixed, Composition		A-2281-4		1	R1231											
2	RC20GF332K	Resistor, Fixed, Composition		A-3077		2	R1323,1324											
2	RC20GF333K	Resistor, Fixed, Composition		A-3077		1	R1229											
				A-2281-4		1	R1232											
1	RC20GF334K	Resistor, Fixed, Composition		A-3077		1	R1302											
1	RC20GF335K	Resistor, Fixed, Composition		A-3077		1	R1227											
2	RC20GF391K	Resistor, Fixed, Composition		A-3077		2	R1326,1329											
1	RC20GF393K	Resistor, Fixed, Composition		A-2434-4		1	R1316											
9	RC20GF470K	Resistor, Fixed, Composition		A-3077		3	R1206,1207,1211,											
				A-3077		3	R1212,1217,1224											
				A-3077		3	R1304,1327,1328											
				A-3077		1												
1	RC20GF471K	Resistor, Fixed, Composition		A-3077		1	R1313											
3	RC20GF472K	Resistor, Fixed, Composition		A-2434-4		3	R1307,1317,1319											

TMC FORM ML-1, OGILVIE PRESS, INC. NO. 459M TYPMASTER

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL	HFR-1/C		
																SHEET	10	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
1	RC20GF473K	Resistor, Fixed, Composition		A-2434-4		1	R1310												
4	RC20GF474K	Resistor, Fixed, Composition		A-2290-4 A-3077		1 3	R1213 R1216, 1218, 1228												
1	RC20GF563K	Resistor, Fixed, Composition		A-2434-4		1	R1306												
2	RC20GF680K	Resistor, Fixed, Composition		A-3077 A-3077		1 1	R1202 R1318												
1	RC20GF683K	Resistor, Fixed, Composition		A-3077		1	R1315												
1	RC20GF684K	Resistor, Fixed, Composition		A-2281-4		1	R1234												
1	RC32GF103K	Resistor, Fixed, Composition		A-2434-4		1	R1311												
1	RC32GF122K	Resistor, Fixed, Composition		A-2290-4		1	R1215												
1	RC42GF332K	Resistor, Fixed, Composition		A-3077		1	R1334												
1	RC42GF682K	Resistor, Fixed, Composition		A-3077		1	R1214												
1	RE70G1R00	Resistor, Fixed, Wirewound		A-3077		1	R1330												
1	RE70G80R0	Resistor, Fixed, Wirewound		A-3077		1	R1333												
2	RE75G15R0	Resistor, Fixed, Wirewound		A-3077		2	R1331, 1332												
1	RL-145	Relay, Miniature		A-3077		1	K1201												
1	RV106UX10B101A	Resistor, Variable, Composition		A-3077		1	R1210												
1	RV106UX10B103A	Resistor, Variable, Composition		A-3077		1	R1230												
2	RV106UX10B502A	Resistor, Variable, Composition		A-3077		2	R1309, 1320												

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	ABCDEFGHIJKLMN													MODEL	HFR-1/C		
																SHEET	11	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
14	SM-140-2	Bushing, Coil, Mounting		AC-145		2													
				AC-146		2													
				AC-147		2													
				TT-164		2													
				TT-165		2													
				TT-166		2													
				TT-174		2													
16	TE0632BN56R	Spacer, Standoff, Threaded		A-3077	MS-2920	16													
1	TF-244	Transformer, Power		A-3077		1	T1302												
5	TS-102-P01	Socket, Tube, 7 Pin		A-3077		3	XV1201, 1202, 1203												
				A-3077		2	XV1302, 1303												
6	TS-102-U02	Shield, Tube		A-3077		2	For XV1201, 1202												
				A-3077		3	XV1203, 1204, 1205												
				A-3077		1	XV1302												
2	TS-102-U03	Shield, Tube		A-3077		1	For XV1303												
2	TS-103-P01	Socket, Tube, 9 Pin		A-3077		2	XV1301, 1304												
1	TS-103-U02	Shield, Tube		A-3077		1	For XV1304												
1	TS-103-U03	Shield, Tube		A-3077		1	For XV1301												
2	TS-155-P01	Socket, Tube		A-3077		2	XV1204, 1205												
1	UG-657/U	Connector, Recp, RF		A-3077		1	J1312, 1302, 1311												
				A-3077		1	1312												

MATERIAL LIST		REV.	A B C D E F G H J K L M N													MODEL	HFR-1/C		
																SHEET	12	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
2	1N34A	Semicon. Device, Diode, Germanium		A-3077		1	CR1205												
				A-2281-4		1	CR1206												
5	1N463	Semicon. Device, Diode, Silicon		A-2290-4		1	CR1201												
				A-3077		1	CR1202												
				A-2281-4		3	CR1203, 1204, 1207												
2	1N1582	Semiconductor Device, Diode		A-3077		2	CR1303, 1304												
2	1N1582R	Semiconductor Device, Diode		A-3077		2	CR1301, 1302												
1	1N3323B	Semicon. Device, Diode, Zener		A-3077		1	CR1305												
1	0A2	Tube, Electron, Voltage Regulator		A-3077		1	V1303												
2	6AH6	Tube, Electron, Gate Ampl.		A-3077		2	V1204, 1205												
1	6BA6	Tube, Electron, I.F. Ampl.		A-3077		1	V1201												
2	6BE6	Tube, Electron, I.F. Ampl. & Gate		A-3077		2	V1202, 1203												
1	6EW6	Tube, Electron, Ampl.		A-3077		1	V1302												
1	7360	Tube, Electron, Mixer-Ampl.		A-3077		1	V1301												
1	12AU7	Tube, Electron, Meter Ampl.		A-3077		1	V1304												
1	VR101-6.5S5	Semicon. Device, Diode, Zener		A-3077		1	CR1306												

MATERIAL LIST		REV.	A B C D E F G H I J K L M N													MODEL	HFR-1/C	
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS											
				USED ON	USED TO MOUNT	QUAN.												
14	EY-100-1	Eyelet, Flat Flange		A-3029-1		14												
12	FS-102-1	Spring, "S" Type		A-3077		12												
10																		
10																		
1	FW03HBN	Washer, Flat		A-3077		1												
2	FW06HBN	Washer, Flat		A-3077		2												
2	LWE03MRN	Washer, Lock, External		A-3077		2												
45	LWE04MRN	Washer, Lock, External		A-3077		45												
25	LWE06MRN	Washer, Lock, External		A-3077		25												
6	LWE08MRN	Washer, Lock, External		A-3077		6												
4	LWE10MRN	Washer, Lock, External		A-3077		4												
2	LWI04MRN	Washer, Lock, Internal		A-3077		2												
22	LWI06MRN	Washer, Lock, Internal		A-3077		22												
14	LWI08MRN	Washer, Lock, Internal		AC-145		2												
				AC-146		2												
				AC-147		2												
				TT-164		2												
				TT-165		2												
				TT-166		2												
				TT-174		2												

THE TECHNICAL MATERIEL CORPORATION

TMC FORM ML-1, OGILVIE PRESS, INC. NO. 459M TYPEMASTER

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	14	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
24	LWS03MRN	Washer, Lock, Split		A-3077		24														
2	LWS04MRN	Washer, Lock, Split		A-3077		2														
10	LWS06MRN	Washer, Lock, Split		A-3077		10														
1	NT-101-6	Retainer, Tube Socket		A-3077		1														
3	NT-129-440-3	Nut, Swage		MS-2929		3														
15	NT-129-440-4	Nut, Swage		MS-2814		3														
				MS-2815		6														
4	NT-129-632-4	Nut, Swage		MS-2816		6														
19	NT-129-832-4	Nut, Swage		MS-2916		4														
				MS-2916		5														
				MS-2917		5														
35	NTH0348BN6	Nut, Hex		MS-2814		9														
				A-2252		1														
				A-2253		1														
				A-2257		2														
				A-2258		1														
				A-2259		1														
				A-2260		1														
				A-2433		2														
				A-3077		26														
39	NTH0440BN6	Nut, Hexagon		A-3077		39														
14	NTH0632BN8	Nut, Hexagon		A-3077		14														
20	NTH0832BN10	Nut, Hexagon		A-3077		6														
				AC-145		2														
				AC-146		2														
				AC-147		2														
				TT-164		2														
				TT-165		2														
				TT-166		2														
				TT-174		2														

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	MODEL	HFR-1/C		
																	SHEET	15	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS													
				USED ON	USED TO MOUNT	QUAN.														
4	NTH1032BN12	Nut, Hexagon		A-3077		4														
14	SC-106-1	Bolt, Spade		A-3029-1		14														
2	SCBP0348BN8	Screw, Machine		A-3077		2														
4	SCBP0440BN3	Screw, Machine		A-3077		4														
38	SCBP0440BN4	Screw, Machine		A-3077		38														
26	SCBP0440BN5	Screw, Machine		A-3077		26														
2	SCBP0440BN7	Screw, Machine		A-3077		2														
2	SCBP0440BN10	Screw, Machine		A-3077		2														
41	SCBP0632BN5	Screw, Machine		A-3077		41														
6	SCBP0632BN7	Screw, Machine		A-3077		6														
13	SCBP0832BN5	Screw, Machine		A-3077		13														
3	SCBP0832BN6	Screw, Machine		A-3077		3														
3	SCBP0832BN8	Screw, Machine		A-3077		3														
24	SCFP0348BN4	Screw, Machine		A-3077		24														
2	SCFP0440BN5	Screw, Machine		A-3077		2														
5	SCFP0632BN5	Screw, Machine		A-3077		5														
9	TE-102-2	Turret, Terminal		A-3077		9														
17	TE-104-1	Terminal, Lug, Locking		A-3077		17														
6	TE-104-2	Terminal, Lug, Locking		A-3077		1														

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST		REV.	ABCDEFGHIJKLMN	MODEL	HFR-1/C		
				SHEET	16	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION HARDWARE	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
8	TE-104-4	Terminal, Lug, Locking		A-3077		8	
2	TE-108-19	Spacer, Standoff, Rivet Type		A-2434-3		2	
54	TE-109-3	Terminal, Lug, Split		A-2435-3		54	
1	TE-111-2	Terminal, Lug		A-3077		1	
5	TE-149-136	Terminal, Lug		A-3077		5	
8	TE-153-2	Terminal, Ring Clip		CL-291		4	
				CL-292		4	
2	TE-164-1	Standoff, Rivet Type		A-2281-3		2	
90	TE-168-4B	Terminal, Miniature		A-2281-3		28	
				A-2290-3		10	
				A-2434-3		24	
				PX-610-1		12	
2	TE-184-3	Standoff, Rivet Type		PX-635-1		16	
1	TE-192-A4-R9	Terminal Stud, Teflon, Insulated		A-2290-3		2	
7	TE-193-B7-S9	Terminal Feed-thru, Teflon, Insulated		A-3077		1	
				A-3077		7	
2	WA-102-9	Washer, Fiber Shoulder		A-3077		2	

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL	HFR-1/C		
																SHEET	17	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION RAW MATERIALS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
	BS-100	Solder, Soft																	
	CD-101-1MW	Cord, Lacing	Black	CA-702															
	GL-102	Lacquer, Q-Dope		Coils															
	GL-103	Cement, Duco		Coils															
	GL-104-2	Resin, Synthetic		CL-291 CL-292															
55	LA-101	Marker, Wire		CA-702		55	1 thru 5 7 thru 56												
1-6	MWC20(7)SJ9	Cable, Insulated, W/Shield	White	CA-702		18													
0-9	MWC20(7)U0	Wire, Electrical	Black	CA-702		9													
2-1	MWC20(7)U1	Wire, Electrical	Brown	CA-702		25													
2-10	MWC20(7)U2	Wire, Electrical	Red	CA-702		34													
5-0	MWC20(7)U3	Wire, Electrical	Orange	CA-702		60													
5-0	MWC20(7)U5	Wire, Electrical	Green	CA-702		60													
3-8	MWC20(7)U6	Wire, Electrical	Blue	CA-702		44													
6-4	MWC20(7)U7	Wire, Electrical	Violet	CA-702		76													
3-5	MWC20(7)U8	Wire, Electrical	Gray	CA-702		41													
1-6	MWC20(7)U91	Wire, Electrical	Wh/Brn	CA-702		18													
2-1	MWC22(7)U1	Wire, Electrical	Brown	CA-702		25													
	MWC22(7)U2	Wire, Electrical	Red	A-3077															
	MWC22(7)U6	Wire, Electrical	Blue	A-3077															
3-11	MWC22(7)U91	Wire, Electrical	Wh/Brn.	CA-702		47													

MATERIAL LIST

REV.

A B C D E F G H I J K L M N

MODEL HFR-1/C

SHEET 18 OF 21

QUAN. PER UNIT	PART NO.	DESCRIPTION RAW MATERIALS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
0-6	MWC24(7)U0	Wire, Electrical	Black	A-2435-4		6	
5-2	MWC24(7)U2	Wire, Electrical	Red	CA-702		62	
3-8	MWC24(7)U6	Wire, Electrical	Blue	CA-702		44	
2-5	MWC24(7)U90	Wire, Electrical	Wh/Blk	CA-702		29	
2-10	MWC24(7)U92	Wire, Electrical	Wh/Red	CA-702		34	*
1-8	MWC24(7)U95	Wire, Electrical	Wh/Green	CA-702		20	
2-4	LWC26(7)U0	Wire, Electrical	Black	CA-702		28	*
6-6	LWC26(7)U2	Wire, Electrical	Red	CA-702		78	*
2-0	LWC26(7)U90	Wire, Electrical	Wh/Blk	CA-702		24	*
2-4	LWC26(7)U92	Wire, Electrical	Wh/Red	CA-702		28	*
4-8	LWC26(7)U95	Wire, Electrical	Wh/Green	CA-702		56	*
0-11	PX-100-1-.053	Sleeving, Size 16	Black	CA-702		11	
0-6	PX-104-1-.034	Sleeving, Size 20	Black	A-2281-4		1	
				A-2290-4		2	
				A-2434-4		3	
0-4	PX-104-2-.034	Sleeving, Size 20	Yellow	A-2281-4		4	
0-7	PX-104-3-.034	Sleeving, Size 20	Red	A-2281-4		5	
				A-2290-4		1	
				A-2434-4		1	
0-3	PX104-4-034	Sleeving, Size 20	Green	A2290-4		2	
0-1	PX-104-4-.034	Sleeving, Size 20	Green	A2281-4		1	
	PX-104-5-.034	Sleeving, Size 20	Brown	A-3077			
1-4	PX-104-6-.034	Sleeving, Size 20	Blue	A-2281-4		6	
				A-2290-4		2	
				A-2434-4		5	
1-11	PX-104-7-.034	Sleeving, Size 20	Gray	A-2281-4		3	
				A-2435-4		20	

MATERIAL LIST		REV.	A B C D E F G H I J K L M N													MODEL	HFR-1/C	
QUAN. PER UNIT	PART NO.	DESCRIPTION RAW MATERIALS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS											
				USED ON	USED TO MOUNT	QUAN.												
0-4	PX-104-8-.034 PX-104-9-.034	Sleeving, Size 20 Sleeving, Size 20	Orange Violet	A-2434-4 A-3077		4												
13-1	RG-174/U	Cable, Coaxial, RF	Black	CA-480 CA-702		13 144												
	WI-104-1243-SCQS	Wire, Litz, Size 12/43		AC-147 TT-164 TT-174														
	WI-104-4044-SSPQS	Wire, Litz, Size 40/44		TT-165 TT-166														
	WI-107-11	Wire, Magnet, Size 30		TT-166														
	WI-107-19	Wire, Magnet, Size 38		AC-145 AC-146														
	WI-122-27	Wire, Magnet, Size 27		TT-165														
	WI-123-18	Wire, Magnet, Size 18		CL-292														
	WI-123-22	Wire, Magnet, Size 22		CL-291														
3-13	WL-100-6	Wire, Buss, #20		A-2281-4 A-2434-4		20 19												
3-3	WL-100-7	Wire, Buss, #22		A-2435-4 CA-702 A2290-4		28 3 8												

MATERIAL LIST		REV.	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL	HFR-1/C		
																SHEET	20	OF	21
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS												
				USED ON	USED TO MOUNT	QUAN.													
		SUPPORTING DRAWINGS																	
1	A-2281-4	Final Assembly, Terminal Board		A-3077		1	TB1201												
1	A-2290-4	Final Assembly, Terminal Board		A-3077		1	TB1202												
1	A-2434-4	Final Assembly, Terminal Board		A-3077		1	TB1302												
1	A-2435-4	Final Assembly, Terminal Board		A-3077		1	TB1301												
7	A-3029-1	Can Assembly		AC-145		1													
				AC-146		1													
				AC-147		1													
				TT-164		1													
				TT-165		1													
				TT-166		1													
				TT-174		1													
1	A-3077	Main Chassis Assembly																	
1	AC-145 (2A-2252)	Coil, Tuned, RF, 790 KC		A-3077		1	L1203												
1	AC-146 (2A-2253)	Coil, Tuned, RF, 2.5 MC		A-3077		1	L1202												
1	AC-147 (2A-2260)	Coil, Tuned, RF, 2.5 MC		A-3077		1	L1201												
1	CA-480-84-13	Cable Assembly, RF					W1301												
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-701-11.25	Cable Assembly, RF		CA-702		1													
1	CA-702	Wiring, Harness, Main		A-3077		1	W1302												

MATERIAL LIST

REV.

ABCDEFGHIJKLMN

MODEL HFR-1/C

SHEET 21 OF 21

QUAN. PER UNIT	PART NO.	DESCRIPTION SUPPORTING DRAWINGS	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS
				USED ON	USED TO MOUNT	QUAN.	
1	CH-228	Chart, Voltage					
1	CH-229	Chart, Voltage					
1	CH-230	Chart, Resistance					
1	CH-231	Chart, Resistance					
1	CK-592	Diagram, Block					
2	CL-291(1A-2425)	Coil, Fixed, RF		A-2435-4		2	L1307,1308
2	CL-292(1A-2429)	Coil, Fixed, RF		A-2435-4		2	L1305,1309
1	LD-1108	Lettering, Diode Plate	MS-2945	A-3077		1	
1	LD-1044	Lettering, Main Chassis	MS-2814	A-3077		1	
1	TT-164 (2A-2257)	Transformer, Tuned, RF		A-3077		1	T1202
1	TT-165 (2A-2258)	Transformer, Output, RF		A-3077		1	T1203
1	TT-166 (2A-2259)	Transformer, Input, RF		A-3077		1	T1201
1	TT-174 (2A-2433)	Transformer, Tuned, RF		A-3077		1	T1301

THE TECHNICAL MATERIEL CORPORATION

TMC FORM ML-1, OGILVIE PRESS, INC. NO. 459M TYPEMASTER

MAMARONECK, NEW YORK

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

HER-1/C

MODEL _____ PROJECT NO. _____

DATE	REV.	PAGE	EMN #	DESCRIPTION	CHK.	APP.
1/3/63	1	2		Chg. CE-112-5N to CE-112-3N, Syms. C1315,1316,1317		
1/9/63	2	2		Chg. CE-112-2N to CE-112-2, Sym. C1314		
				Chg. CE-112-3N to CE-112-3, Syms. C1315,1316,1317		
		15		On TE-109-3, Chg. Quan. from 53 to 54		
		16		On LA-101, Chg. Quan. from 52 to 55, Chg. Sym. from 7 thru 53 to 7 thru 56		
				On MWC20(7)U2, Chg. Quan. from 2-9 to 2-10		
				On MWC20(7)U6, Chg. Quan. from 3-7 to 3-8		
				On MWC20(7)U7, Chg. Quan. from 6-2 to 6-4		
				On MWC20(7)U91, Chg. Quan. from 1-7 to 1-6		
				On MWC22(7)U1, Chg. Quan. from 2-0 to 2-1		
		17		On MWC24(7)U0, Add Quan. 0-6		
				On MWC24(7)U90, Chg. Quan. from 2-4 to 2-5		
				On MWC26(7)U90, Chg. Quan. from 1-11 to 2-0		
				On PX-100-1-.053, Add Quan. 0-11		
				On PX-104-1-.034, Add Quan. 0-3		
				On PX-104-3-.034, Add Quan. 0-7		
				On PX-104-4-.034, Chg. Quan. from 0-4 to 0-1		
				On PX-104-6-.034, Add Quan. 1-4		
				On PX-104-7-.034, Add Quan. 1-11		
		18		On PX-104-8-.034, Add Quan. 0-4		
				On RG-174/U, Chg. Quan. from 13-8 to 12		
				On WL-100-6, Add Quan. 3-11		
				On WL-100-7, Add Quan. 2-7		
1/21/63	3	title		Chg. Last Symbol W1301 to W1302		
				Add Missing Symbol R1204		
		1		Chg. A-2281-4 to A-2281-2		
		3		On CI-116-18 Chg. Quan. from 1 to 2		
		6		Add 1 ea. PL-169, (P1303)		
				On PL-204, Chg. Quan. from 1 to 2 (P1301,1302)		
		7		On RC20GF122K, Chg. Quan. from 2 to 1 (R1303)		
		14		On SC-106-1, Chg. Quan. from 12 to 14		
		18		On RG-174/U, Chg. Quan. from 12 to 13-1		
				Chg. WI-104-4044-SPQS to WI-104-4044-SSPOS		
		19		Add 1 ea. CA-480-84-13		

