

C sh 1, 16, 17, 20, 21, 23, 27
28, 29, 37-44, 64.
SMAY 66

REV. H

7/4/66

MODEL RFE-1

D sh 7, 8, 13, 16, 17, 19, 20, 21, 22, 23
24, 25, 26, 27, 28, 29, 31, 32, 33
34, 35, 36, 37, 38, 39, 40, 41, 42,
43, 44, 45, 46, 47, 64.
20 MAY 66

A sh 1, 13, 27, 38, 46, 48
18/4/66

TITLE LINEAR POWER AMPLIFIER

E sh 8, 13, 14-15, 17-37, 22, 23-26, 30, 38, 45, 47, 48
60, 61, 63
MODEL 13/6/66 SECTION 1
PAL-500 QTY. 1

B sh 7, 16, 27, 28, 29, 30, 37, 38, 39
25/4/66

F sh 3, 4, 8, 16, 17, 23, 24, 27, 28, 32, 40, 43,
46, 47, 56-57, 62-66, 67, 68
14/6/66

SHEET NO.
SEE BELOW

LIST SECTIONS

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

G 12-7-66
SH. 7, 8, 11, 14, 16, 18, 21, 28,
29, 33, 34, 35, 36, 37, 40, 41,
43, 46, 49, 55, 58, 63, 64.

LAST SYMBOLS

RL19	B201	M202	XV204	IL04
SL03	C285	PS204	CL10	JL02
TL02	CR205	R234	CB102	KL03
VL07	J205	T210	FL02	PL03
E201	L241	V204		

COMPILED
CHECKED
APPROVED
FNL APPR
ISS DATE

H. J. Jacobs
RY
11/4/66

H. 3-10-67
SH. 28 & 29

MISSING SYMBOLS

L238	C242
C241	C214

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
CORRESPONDING NUMBER IN THE PART
NUMBER COLUMN.

page 45 missing 4/18/72
SR

LIST/NUMERICAL PARTS LIST

74/62

TOTAL SHEET 1 OF 68

AC

USED ON MODEL: PAL 500

USED ON SECTION:

ASSY SHEET 1 OF 2

PAL 500

QTY PER NEXT ASSY: 1

ASSY LEVEL: 0

ASSY DESC: LINEAR PWR AMPL

ASSY PART NO: RFE-1

LIS	PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
4	A10412	FNL ASSY	RFE-1			1		
4	CH10124	CHART, UNIT, BKDN	RFE-1			1		
4	CK10480	DIAG, SCHEM	RFE-1			1		
5	S10101	TEST, PROCEDURE	RFE-1			1		
	FS109-3	RING, STUD, RET	RFE-1	FS110-1	2x6	12		
	FS110-1	STUD, SLOT, HD	RFE-1	MS10412	6			
				MS10413	6	12		
	FWO6MRN	WASH, FLAT	RFE-1	MS10397		3		
	LD10098/MS10412	COV, TOP	RFE-1			1		
	MS10412	COV, TOP		LD10098		1		
	LWEO4MRN	LK, WASH, EXT	RFE-1	SN10003		12		
	LWEO6MRN	LK, WASH, EXT	RFE-1	MS10397		3		
	MS10411	COV, RF SECT	RFE-1			1		
	MS10413	COV, BOT	RFE-1			1		
	MS10426	COV, DRIVER CHAS	RFE-1			1		
	MS10429-1	STRAP, SCREEN, RET	RFE-1			2		
	MS10429-2	STRAP, SCREEN, RET	RFE-1			2		
	NP10082-20	NAMEPLATE	RFE-1			1		
	NP10082-21	NAMEPLATE	RFE-1			1		

MATERIAL LIST/NUMERICAL PARTS LIST /14/66

SHEET 2 OF 68

LIST SECTION

REV 0 USED ON MODEL: PAL 500 USED ON SECTION: ASSY SHEET 2 OF 2

NEXT ASSY: PAL 500 QTY PER NEXT ASSY: 1 ASSY LEVEL: 0 ASSY DESC: LINEAR PWR AMPL ASSY PART NO: RFE-1

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
NTH0440BN6	NUT, HEX	RFE-1	SN10003		12		
SC131-0440BN4	SCR, UNDC	RFE-1	MS10552-1 MS10552-2	2x2	4		
SCBPO256BN3	SCR, MACH	RFE-1	NP10082-20	4			
			NP10082-21	4	8		
SCBPO440BN4	SCR, MACH	RFE-1	SN10003		12		
SCBPO632BN5	SCR, MACH	RFE-1	MS10397		3		
SN10003	SCREEN, TOP COV	RFE-1			1		
S404	IRIDITE, YEL		MS10411		X		
			MS10412		X		
			MS10413		X		
			MS10426		X		
			MS10426-1		X		
			MS10429-2		X	X	

MATERIAL LIST/NUMERICAL PARTS LIST

7/4/66

TOTAL SHEET 3 OF 68

REV 0 F H

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY SHEET 1 OF 2

NEXT ASSY: RFE-1

QTY PER NEXT ASSY: 1

ASSY LEVEL: 1

ASSY DESC: FNL ASSY

ASSY PART NO: A10412

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10413	MN WRG ASSY	A10412			1		
A10309	FR PNL	A10412			1		
AN565D6H2	SCR, ALLEN	A10412	MC104-2	4	4		
CUL39-2B	FRL, HDL	A10412			4		
EY100-1	EYELET, FLAT	MS10415			3		
FU102-1	FUSE	A10412			2	F201, SPARE	
HA102-2BN	HDL	A10412			2		
LWEO6MRN	LK, WASH, EXT	A10412	MS10415	3	3		
LWEO8MRN	LK, WASH, EXT	A10412	MS202-5-2.00 MS202-5-4.50 MS202-5-2.37	2 2 2			
LWS10MRN	LK, WASH, SPG	A10412	A10309	2	6		
MC104-2	COUPLING	A10412			1		
MP108-2	KNOB	A10412			2		
MS202-5-2.00	LEAD, CONNTG	A10412			1		
MS202-5-4.25	LEAD, CONNTG	A10412			1		
MS10415	PL, AIR BAF	A10412			1		
NTH0832BN10	NUT, HEX	A10412	C217 A10309	1 2	3		
NTH1032BN12	NUT, HEX	A10412	L212		1		

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MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 4 OF 68

LIST SECTION

REV QF USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 2

NEXT ASSY: RFE-1 QTY PER NEXT ASSY: 1 ASSY LEVEL: 1 ASSY DESC: FNL ASSY ASSY PART NO: A10412

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
PO151	CHIMNEY, TUBE	A10412			2		
PX370-0-7	TEF	A10412			10		
SCBP0632BN5 ✓	SCR, MACH	A10412	MS10415	3	3		
SCBP0832BN8	SCR, MACH	A10412	MS202-5-4.50 MS202-5-2.00	1			
SC10003	SCR, MACH	A10412	MS202-5-2.37	1	2		
SCFP0832BN8	SCR, MACH	A10412	A10309		4		
			A10309		2		
S404	IRIDITE, YEL	MS10415			X		
TE167	LUG, AND, THD	MS10415			3		
TS128-6	TUBE, SHLD	A10412			1		
WA109-56	WASH, FBR	A10412	NS3W0308		2		
4CX350A	TUBE, PA	A10412			2	V203, 204	
6CL6	TUBE	A10412			1	V201	
6146	TUBE, DRIVER	A10412			1	V202	

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 5 OF 68

REV 0 USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 2

NEXT ASSY: A10412 QTY PER NEXT ASSY: 1 ASSY LEVEL: 2 ASSY DESC: PNL ASSY, FR ASSY PART NO: A10309

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LD10089/MS10396	FR, PNL	A10309			1		
MS10396	FR, PNL	A10309			1		
BB101	BRG, PNL	A10309			1		
CM35C103J	CAP, FXD	A10309			2	C267, 271	
DT101R30-4-2	DETENT, ASSY	A10309			1		
FWO4LBN	WASH, FLAT	A10309	PX10006	3x3	9		
FW37LBN	WASH, FLAT	A10309	SW201D		1		
LWEO4MRN	LK, WASH, EXT.	A10309	PX10006	3x3	9		
LWEO6MRN	LK, WASH, EXT	A10309	P0102		12		
LWI37LRN	WASH, INT	A10309	SW201D		1		
MP108-1	KNOB, SKIRT	A10309			3		
MP108-2	KNOB, SKIRT	A10309			1		
MR10002	MULTR	A10309			1		
MR10003	MTR	A10309			1		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST/NUMERICAL PARTS LIST

7/4/66

TOTAL SHEET 6 OF 68

REV 0 USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 2

NEXT ASSY: A10412 QTY PER NEXT ASSY: 1 ASSY LEVEL: 2 ASSY DESC: PNL ASSY, FR ASSY PART NO: A10309

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
PM691RF1.31B	SFT	A10309			2		
PM691RF1.50P	SFT, PHEN	A10309			1		
PO102	DVR, DIAL	A10309			3		
PX10006	POINTERS	A10309			3		
SCBPO440BN8	SCR, MACH	A10309	PX10006		9		
SCBPO632BN8	SCR, MACH	A10309	PO102		12		
5 S114	ZN, CHROMATE, PRM	MS10396		X			
5 S115	ENAM, SMOOTH GY	MS10396		X			
5 S404	IRIDITE, YEL	MS10396		X	X		
TE104-1	TERM, LKG	A10309	C267 to GND		1		
TE104-3	TERM, LKG	A10309	C271, 267	2x2	4		
TE117-28	SPR	A10309	PX10006	3x3	9		
TE117-30	SPR	A10309	PO102	3x4	12		
WL100-7	WIRE, BUSS	A10309			3		

MATERIAL LIST/NUMERICAL PARTS LIST

7/4/66

TOTAL SHEET 7 OF 68

ASSY SHEET 1 OF 2

REV G USED ON MODEL: RFE-1 USED ON SECTION: ASSY PART NO: A10413

NEXT ASSY: A10412 QTY PER NEXT ASSY: 1 ASSY LEVEL: 2 ASSY DESC: MN WIRING ASSY

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10305	FIL, XFMR WRAP	A10413			1		
A10415	MN MECH ASSY	A10413			1		
CA10110-1	CBL, RF	A10413			1		
CA10110-2	CBL, RF	A10413			1		
CA10110-3	CBL, RF	A10413			1		
CA10112	CBL, BLO	A10413			1		
CC109-5	CAP, FXD, CER	A10413			1	C277	
CU102-5	CLAMP, CBL	A10413			1		
CU104-5	CLAMP, MTL	A10413			2		
FWO4MRN	WASH, FLAT	A10413	JJ158P	2			
			CU102-5	1	3		
FWO6MRN	WASH, FLAT	A10413	CU104-5	1			
			MS10418 to MS10401	2			
			MS10417 to MS10399	2	5		
LWEO4MRN	LK, WASH, EXT	A10413	SW219	2x3			
			MS10552-2	2			
			JJ158P	3	11		
LWEO6MRN	LK, WASH, EXT	A10413	MS10418 to MS10401	2			
			MS10417 to MS10399	2			
			CU104-5	1	5		

Ottawa, Ontario

MATERIAL LIST/NUMERICAL PARTS LIST

7/4/66

TOTAL SHEET 8 OF 68

ASSY SHEET 2 OF 2

REV J

USED ON MODEL: RFE-1

USED ON SECTION:

NEXT ASSY: A10412

QTY PER NEXT ASSY: 1

ASSY LEVEL: 2

ASSY DESC: MN WIRING ASSY

ASSY PART NO: A10413

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
MS783-2-32S	STRAP, CONNTG	A10413			8		
MS10552-1	BRKT, COV MTG	A10413			1		
MWC22(7)U0	WIRE, INS	A10413		4			
				6	10		
MWC22(7)U1	WIRE, INS	A10413			8		
NT129-440-4	NUT, RD	MS10552-1			2		
NTH0632BN8	NUT, HEX	A10413	MS10418 to MS10401	2			
			MS10417 to MS10399	2			
			CU104-5	1	5		
PX370-8-7	SLVG, TEF	A10413			6		
RC20GF332J	RES, FXD	A10413			1	R232	
RC42GF181J	RES, FXD	A10413			1	R206	
RV4LAYS503A	RES, VAR	A10413			1	R228	
RY121-6-3.00	RUB, STRIP, ADH	A10413			2		
SCBPO44OBN5	SCR, MACH	A10413	CU104-5		1		
SCBPO44OBN6	SCR, MACH	A10413	CU102-5		1		
SCBPO44OBN8	SCR, MACH	A10413	JJ158P		2		
ST22K	SW, TEL, DPST	A10413			1	S206	
SW219	SW, MICRO	A10413			2	S204, 205	
5 S404	IRIDITE, YEL	MS10552-1			X		
TE104-1	TERM, LUG	A10413	JJ158P		1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 9 OF 68

LIST SECTION

REV ① USED ON MODEL: RFE-1 USED ON SECTION:

ASSY SHEET 1 OF 1

NEXT ASSY: A10413

QTY PER NEXT ASSY: 1

ASSY LEVEL: 3

ASSY DESC: CBL, RF, COAX

ASSY PART NO: CA10110-1

PART NO.

DESCRIPTION

ITEM LOCATION

USED ON ASSEMBLY

USED TO MOUNT

QTY PER U/T/M

QTY. PER ASSY.

REFERENCE SYMBOLS

REMARKS

RG-188/U

CBL, RF, COAX

CA10110-1

C214 to C209

11

CU101-9

FRL, INNER

CA10110-1

2

CU101-10

FRL, OUTER

CA10110-1

2

WL103-1

SHLD, FLEX

CA10110-1

2 2

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

REV	Φ	USED ON MODEL:	RFE-1	USED ON SECTION:	ASSY SHEET 1 OF 1
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NEXT ASSY:	A10413	QTY PER NEXT ASSY:	1	ASSY LEVEL:	3	ASSY DESC:	CBL, RF, COAX	ASSY PART NO:	CAL0110-2
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LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
RG 188/U	CBL, RF, COAX	CAL0110-2	C216 to C220		15		
CUL01-9	FRL, INNER	CAL0110-2			2		
CUL01-10	FRL, OUTER	CAL0110-2			2		
WL103-1	SHLD, FLEX	CAL0110-2		2	2		

TMC FORM PML-4 (9-64)

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 11 OF 68

REV G

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY SHEET OF

NEXT ASSY: A10413

QTY PER NEXT ASSY: 1

ASSY LEVEL: 3

ASSY DESC: CBL, RF, COAX

ASSY PART NO: CA10110-3

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
RG140/U	CBL, RF, COAX	CA10110-3	C276 to J205		11		
CU101-9	FRL, INNER	CA10110-3			2		
CU101-10	FRL, OUTER	CA10110-3			2		
WL103-1	SHLD, FLEX	CA10110-3		2	2		

MATERIAL LIST/NUMERICAL PARTS LIST *7/4/66*

LIST SECTION

<small>REV</small> Φ	<small>USED ON MODEL:</small> RFE-1	<small>USED ON SECTION:</small>	<small>ASSY SHEET</small> 1 OF 1
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<small>NEXT ASSY:</small> A10413	<small>QTY PER NEXT ASSY:</small> 1	<small>ASSY LEVEL:</small> 3	<small>ASSY DESC:</small> CBL, ASSY, BLO, CAP	<small>ASSY PART NO.:</small> CA10112
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PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		<small>USED ON ASSEMBLY</small>	<small>USED TO MOUNT</small>	<small>QTY PER U/T/M</small>			
C101-1	FRL, INNER	CA10112			2		
C101-2	FRL, OUTER	CA10112			2		
PX100-1-118	INS, SLVG	CA10112			21		
WL103-2	SHLD, FLEX	CA10112			3		
WI101-3	CBL, SHLD	CA10112			25		

TMC FORM PML-4 (9-64)

MATERIAL LIST/NUMERICAL PARTS LIST *7/4/66*

TOTAL SHEET 13 OF 68
 ASSY SHEET 1 OF 2

LIST SECTION

REV	<i>QDE</i>	USED ON MODEL:	<i>RFE-1</i>	USED ON SECTION:	
NEXT ASSY:	<i>A10413</i>	QTY PER NEXT ASSY:	<i>1</i>	ASSY LEVEL:	<i>3</i>
		ASSY DESC:	<i>FIL, XFMR, WRAP</i>		
		ASSY PART NO:	<i>A10305</i>		

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CB21QW102K	CAP, FXD, MICA	A10305		2		C218, 245	
CB21QW151K	CAP, FXD, MICA	A10305		2	4	C246, 248	
				2		C219, 278	
CK70AW202M	CAP, FDTHRU	A10305		2		C258, 262	
				2	4	C263, 264	
CL10006-6	INDUCTOR	A10305		2		L205, 234	
				2	4	L235, 237	
CL10006-7	INDUCTOR	A10305		2		L206, 211	
				1	3	L213	
CM20F102J	CAP, FXD, MICA	A10305		1		C220	
				1			
FWO6MRN	WASH, FLAT	A10305	MS10417	2			
LD10101/MS10417	SHLD, FIL XFMR	A10305		1			
MS10417	SHLD, FIL XFMR	LD10101		1			
LD10102/MS10418	SHLD, SD, FIL XFMR	A10305		1			
MS10418	SHLD, SD, FIL XFMR	LD10102		1			
LWEO4MRN	LK, WASH, EXT	A10305	T102-2	1			
			C246,245,218	3			
			C248,278,219	3	7		
LWEO6MRN	LK, WASH, EXT	A10305	MS10417	2			
NTHO44OBN6	NUT, HEX	A10305	TE104-1	1			

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 14 OF 68

REV G

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY SHEET 2 OF 2

NEXT ASSY: A10413

QTY PER NEXT ASSY: 1

ASSY LEVEL: 3

ASSY DESC: FIL, XFMR, WRAP

ASSY PART NO: A10305

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
NTH0632BN8	NUT, HEX	A10305	MS10417		1		
SCBPO348BN3	SCR, MACH	A10305	C246,245,218	3			
			C248,278,219	3	6		
SCBPO44OBN3	SCR, MACH	A10305	TE102-2		1		
SCBPO44OBN4	SCR, MACH	A10305	TE104-1		1		
SCBPO632BN6	SCR, MACH	A10305	MS10417 to MS10418		2		
SM11D2-061N	NUT, SLF-LKG, CLIN		MS10418		1		
S404	IRIDITE, YEL		MS10417		X		
			MS10418		X	X	
TE102-2	TERM, TUR	A10305	C220, L211, CR202		1		
TE104-1	TERM, LKG	A10305	L206,213		2		
LN303	DIO, SI	A10305			2	CR201, 202	
					1	3	CR203

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 15 OF 68

REV DE USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 3

NEXT ASSY: A10413 QTY PER NEXT ASSY: 1 ASSY LEVEL: 3 ASSY DESC: MN MECH ASSY ASSY PART NO: A10415

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10310	FIL XFMR CHAS	A10415			1		
A10460	BLO CAP MTG	A10415			1		
A10471	RF SECT, CHAS	A10415			1		
A10463	PI NET, CHAS	A10415			1		
A10461	WRAPAROUND ASSY	A10415			1		
A10414	DRIVER, CHAS FNL	A10415			1		
FWO6MRN	WASH, FLAT	A10415	MS10397 to MS10401	8			
			MS10397 to MS10671	1			
			MS10397 to MS 10398	6			
			MS10672 to MS10401	2			
			MS10671 to MS10398	2			
			MS10671 to MS10399	2			
			MS10399 to MS10401	3			
			MS10418 to MS10401	2			
			MS10399 to MS10398	2			
			MS10398 to MS10401	6	34		
LWEO6MRN	LK WASH, EXT	A10415	MS10397 to MS10401	8			
			MS10397 to MS10671	1			
			MS10397 to MS10398	6			
			MS10672 to MS10401	2			
			MS10671 to MS10398	2			
			MS10671 to MS10399	2			
			MS10399 to MS10401	3			
			MS10399 to MS10398	2			
			MS10398 to MS10401	6	32		
CE105-25-100	CAP. ELECT. MIN.	A10415			1	C286	

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

LIST SECTION

REV Φ C D E F G USED ON MODEL: RFE-1 USED ON SECTION: ASSEY SHEET 2 OF 3

NEXT ASSY: A10413 QTY PER NEXT ASSY: 1 ASSY LEVEL: 3 ASSY DESC: MN MECH ASSY ASSY PART NO: A10415

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
MS10552-2	BRKT, COV MTG	A10415			1		
NTH0632BN8	NUT, HEX	A10415	MS10397 to MS10401	8			
			MS10397 to MS10671	1			
			MS10397 to MS10398	6			
			MS10672 to MS10401	2			
			MS10671 to MS10398	2			
			MS10671 to MS10399	2			
			MS10399 to MS10401	3			
			MS10399 to MS10398	2			
			MS10398 to MS10401	6	32		
NT129-440-4	NUT, RD	MS10552-2			4		
RA75AXA1R0AK25	RES, VAR	A10415			1	R216	
RV4LAYS503A	RES, VAR	A10415			2	R213, 221	
SCBP0632BN6	SCR, MACH	A10415	MS10397 to MS10401	5			
			MS10397 to MS10671	1			
			MS10397 to MS10398	6			
			MS10672 to MS10401	2			
			MS10671 to MS10398	2			
			MS10671 to MS10399	2			
			MS10399 to MS10401	3			
			MS10399 to MS10398	2			
			MS10398 to MS10401	6	29		

TMC FORM PML-4 (9-64)

MATERIAL LIST/NUMERICAL PARTS LIST *7/4/66*

TOTAL SHEET *17* OF *68*

LIST SECTION

REV *DEF* USED ON MODEL: *RFE-1* USED ON SECTION: ASSY SHEET *3* OF *3*

NEXT ASSY: *A10413* QTY PER NEXT ASSY: *1* ASSY LEVEL: *3* ASSY DESC: *MN MECH ASSY* ASSY PART NO: *A10415*

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
<i>SCFP0632BN6</i>	<i>SCR, MACH</i>	<i>A10415</i>	<i>MS10397 to MS10401</i>		<i>3</i>		
<i>SCFP0832BN6</i>	<i>SCR, MACH</i>	<i>A10415</i>	<i>MS10399 to MS10401</i>		<i>1</i>		
<i>S404</i>	<i>IRIDITE, YEL</i>				<i>X</i>		
<i>IN5369A</i>	<i>DIODE ZENER</i>	<i>A10415</i>			<i>1</i>	<i>CR206</i>	

MATERIAL LIST/NUMERICAL PARTS LIST *7/4/66*

TOTAL SHEET 18 OF 68

ASSY SHEET 1 OF 1

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY PART NO: A10471

REV *G*
NEXT ASSY: A10415

QTY PER NEXT ASSY: 1

ASSY LEVEL: 4

ASSY DESC: FNL ASSY, RF SECT

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
AX162	SUPP, PARAS	A10471			2		
A1546-1	SUPP, PARAS	A10471			0		
A10480	MECH ASSY, RF SECT	A10471			1		
CA10442	CBL, RF	A10471			1		
CG21SL030C	CAP, FXD	A10471			1	C235	
CL10006-2	INDUCTOR, RF	A10471			1	L210	
CL10006-3	INDUCTOR, RF	A10471			1	L226	
CL10006-6	INDUCTOR, RF	A10471		1		L209	
				4	5	L228-231	
CL10006-7	INDUCTOR, RF	A10471			1	L227	
CL10023-1	INDUCTOR, RF	A10471			2	L232, 233	
GM20F102J	CAP, MICA	A10471			2	C240, 243	
CM35C103J03	CAP, MICA	A10471			1	C251	
CUL02-1	CLAMP, LOOP	A10471			1		
FWO6MRN	WASH, FLAT	A10471			1		
LWE06MRN	WASH, LK, EXT	A10471			1		
NTH0632BN8	NUT, HEX	A10471			1	R231	
RC20GF222J	RES, FXD, COMP	A10471			1	R215	
RC32GF153J	RES, FXD, COMP	A10471			1	R214	
RC32GF223J	RES, FXD, COMP	A10471			1	R217	
RC32GF823J	RES, FXD, COMP	A10471			1		
RY121-6-4-2.00	STR SPONGE, RUB	A10471		3x2	3		
SCBP0632BN6	SCR, MACH	A10471			1		
1N67	DIO, GERM	A10471			1	CR204	
1N645A	DIO, SI	A10471			1	CR205	

Ottawa, Ontario

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 19 OF 68

ASSY SHEET 1 OF 4

REV E
 USED ON MODEL: RFE-1
 USED ON SECTION:
 NEXT ASSY: A10471
 QTY PER NEXT ASSY: 1
 ASSY LEVEL: 5
 ASSY DESC: MECH ASSY, RF SECT
 ASSY PART NO: A10480

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS	
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
LD10204/MS10671	CHAS, RF SECT	A10480			1			
MS10671	CHAS, RF SECT	LD10204			1			
BB119	BUSH, MACH THD	A10480			1			
CB21QW102K	CAP, FXD, MICA	A10480			2	C244, 239		
					2	C250, 238		
					1	5	C237	
CB21QW151K	CAP, FXD, MICA	A10480			1	C236		
					2	C257, 259		
CK70AW202M	CAP, FXD, CER	A10480			2	C260, 261		
					2	6	C284, 285	
CU102-4	CLAMP, CBL	A10480	CA10110-1					
			CA10110-2					
			CA10112		1			
CU118-2C	CLAMP, TUBE	A10480			2			
FWO4MRN	WASH, FLAT	A10480	CU102-4		1			
FWO6MRN	WASH, FLAT	A10480	CU118-2C	2x1	2			
LWEO4MRN	WASH, LK, EXT	A10480			2	C238, 239,		
					2	C250, 236,		
					2	C237, 244		
					6	TE102-2		
					2	14	PM10069	
LWEO6MRN	WASH, LK, EXT	A10480	CU118-2C		2			

Ottawa, Ontario

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 20 OF 68

REV E USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 4

NEXT ASSY: A10471 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: MECH ASSY, RF SECT ASSY PART NO: A10480

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LWEO8MRN	WASH, LK, EXT	A10480	NS3W0212	3			
			NS3W0216	3	6		
LWI37LRN	WASH, LK, INT	A10480	BB119		1		
LWSO4MRN	WASH, LK, SPLIT	A10480	TS132	2x3	6		
MS10423	BRKT, NEUT, CAP	A10480			1		
MS10427	PL, TUBE, MTG	A10480			1		
NS3W0106	INS, PLR	A10480			3		
NS3W0212	INS, PLR	A10480			2		
NS3W0216	INS, PLR	A10480			2		
NS1000-3-1	INS, FDTHRU	A10480			1		
NT102	NUT, HEX	A10480	PM10071		1		
NTH044OBN6	NUT, HEX	A10480	TS132	2x3	6		
NTH3732BN16	NUT, PLN, HEX	A10480	BB119		1		
PM10069	NUT, BAR, CONN	A10480			1		
PM10071	ROT, NEUT, CAP	A10480			1		
PN105	PIN, CROSS	A10480	PM10071		1		
SCBPO348BN3	SCR, MACH	A10480	C238,239	2			
			C250,236	2			
			C237,244	2	6		
SCBPO44OBN3	SCR, MACH	A10480	TE102-2		5		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 21 OF 68

REV EG

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY SHEET 3 OF 4

NEXT ASSY: A10471

QTY PER NEXT ASSY: 1

ASSY LEVEL: 5

ASSY DESC: MECH ASSY, RF

ASSY PART NO: A10480

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
SCBPO44OBN6	SCR, MACH	A10480	TS132	2x3			
			CU102-4	1			
			PM10069	2	9		
SCBPO632BN5	SCR, MACH	A10480	NS3W0106		6		
SCBPO632BN7	SCR, MACH	A10480	CU118-2C		2		
SCBPO832BN8	SCR, MACH	A10480	NS3W0212	3			
			NS3W0216	4	7		
SC131-0832BN4	SCR, MACH, UNDC	A10480	NS3W0212		1		
SM11D2-06	NUT, SLF-LKG, CLIN	MS10427			2		
S404	IRIDITE, YEL	MS10671			X		
		MS10423			X		
		MS10427			X	X	
TE102-2	TERM, TUR	A10480	R214	1			
			R215	1			
			C225,L226	1			
			L232	1			
			L210	1			
			L233	1	6		
TE104-1	TERM, LUG	A10480	CA10110-2				
			to GND		1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 22 OF 68

ASSY SHEET 4 OF 4

REV E USED ON MODEL: RFE-1 USED ON SECTION: ASSY PART NO: A10480

NEXT ASSY: A10471 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: MECH ASSY, RF

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TE104-2	TERM, LUG	A10480	Strap to				
			S201B	1			
			C240, L230	1			
			PS203	1			
			C240, L226	1			
			C243	1			
			C243, L231	1			
			PS204	1			
			XV203, 204	2	6		
TE104-3	TERM, LUG	A10480	R206		1		
TE114-2	TERM, FDTHRU	A10480	C251		1		
TS132	SOC	A10480			2	XV203, 204	
WA101-11	WASH, FBR	A10480	NS3W0212	4			
			NS3W0216	4	8		
WA109-36	WASH, FBR	A10480	NS3W0106	3x2	6		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 23 OF 68

ASSY SHEET . 1 OF 1

REV DEF

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY PART NO: A1546-1

NEXT ASSY: A10471

QTY PER NEXT ASSY: 1

ASSY LEVEL: 5

ASSY DESC: SUPP, PARAS

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
AX162	SUPP PARAS	A1546-1			1	PS203	
A1546-1	SUPP PARAS	AX162			0		
BS100	SOLDER, SOFT	A1546-1			X		
RC32GF470J	RES, FXD, COMP	A1546-1			1		
WL100-7	WIRE, BUSS, BAR	A1546-1			1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 26 OF 68

REV E USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 4

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: PI NET CHAS ASSY PART NO: A10463

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
AX10014	PA ASSY, COIL & SW	A10463			1		
A10298	PA ASSY, COIL & SW	A10463			0		
A10478	TERM, BD, ASSY	A10463			1		
CL178	COIL, RF	A10463			1		
A1126	COIL, RF	A10463			0		
CL10012	COIL, RF	A10463			1		
CL10013	COIL, RF	A10463			1		
AN565D6H2	SCR, ALLEN	A10463	MC104-2	2x4	8		
CB125A950X	CAP, VAR	A10463			1	C276A-B	
CB138-3AN	CAP, VAR	A10463			1	C213	
CC109-2	CAP, FXD, CER	A10463			1	C216	
CC109-6	CAP, FXD, CER	A10463			1	C215	
CU102-3	CLAMP, CBL	A10463			2		
CU102-5	CLAMP, CBL	A10463			2		
CX102J202M	CAP, FXD, PLSTC	A10463			2	C217, 247	
					1	C249	
EY102-13	GROM, RUB	A10463			1		
FWO6HBN	WASH, FLAT	A10463	CA10443		4		
LD10092/MS10398	CHAS, PI NET	A10463			1		
MS10398	CHAS, PI NET	LD10092			1		
LD10103/MS10424	PL, CAP, MTG	A10463			1		
MS10424	PL, CAP, MTG	LD10103			1		
LWEO4MRN	WASH, EXT	A10463	C216,215		2		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 27 OF 68

REV A B C D E F USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 4

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: PI NET CHAS ASSY PART NO: A10463

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LWEO6MRN	LK, WASH, EXT	A10463	C276	10			
			C213	2			
			CA10443	4			
			A10262	2	18		
LWEO8MRN	LK, WASH, EXT	A10463	SW218D C247,249,217	7			
LWE10MRN	LK, WASH, EXT	A10463	L207	2			
			L212	1			
			AX10014	2	5		
LW137LRN	LK, WASH, INT	A10463	SW217	1			
LWSO2MRN	WASH, SPLIT	A10463	C216,215	4			
MC104-2	SFT, CPLG	A10463		2			
MS10403	BRKT, CAP, MTG	A10463		2			
MS10419	SPR, CAP, MTG	A10463		2			
MS202-5-1.37	LEAD, CONNTG	A10463		2			
MS202-5-2.56	LEAD, CONNTG	A10463		1			
NTH0632BN10	NUT, HEX	A10463	LD10103	2			
NTH0832BN10	NUT, HEX	A10463	C247	4			
			C249	4			
			C217	1	9		
NTH1032BN12	NUT, HEX	A10463	L207	2			

MATERIAL LIST/NUMERICAL PARTS LIST

7/4/66

TOTAL SHEET 28 OF 68

ASSY SHEET 3 OF 4

REV GK

USED ON MODEL: RFE-1

USED ON SECTION:

NEXT ASSY: A10415

QTY PER NEXT ASSY: 1

ASSY LEVEL: 4

ASSY DESC: PI NET CHAS

ASSY PART NO: A10463

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
PN52-.062-10	PIN, ROLL	A10463	SW218D		1		
SCBPO256BN3	SCR, MACH	A10463	C216,215		4		
SCBPO632BN4	SCR, MACH	A10463	C276		4		
SCBPO632BN5	SCR, MACH	A10463	A10262	2	2		
SCBPO632BN8	SCR, MACH	A10463	CA10443		4		
SCBPO832BN24	SCR, MACH	A10463	TE117-9		2		
SCBP1032BN6	SCR, MACH	A10463	AX10014		2		
SCBP1032BN10	SCR, MACH	A10463	L212		1		
SCFPO632BN7	SCR, MACH	A10463	C276	4			
			AX10014	4	8		
SC131-0632BN6	SCR, MACH, UNDC	A10463	AX10014		4		
SC131-0632BN10	SCR, MACH, UNDC	A10463	C213		2		
SM111D2-06	NUT, SLF-LKG, CLIN	MS10403			2		
		MS10398			16	18	
SW217	SW, MTR	A10463			1		
SW218D	SW, DETENT	A10463			1		
5 S404	IRIDITE, YEL	MS10398			X		
		MS10424			X		
		MS10403			X		
		MS10419			X	X	
TE104-1	TERM, LKG	A10463	C216,215		2		
TE104-2	TERM, LKG	A10463	CA10110-3 to GND		1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 29 OF 68

REV GK USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 4 OF 4

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: PI NET CHAS ASSY PART NO: A10463

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TE104-3	TERM, LKG	A10463	L236		2		
TE111-2	SOLDER, LUG	A10463	S203 to Gnd		1		
TE117-9	SPACER, SLVG	A10463	SW218D		2		
TU10001	SHIELD, MN, CBL	MS10398			1		
WL100-4	WIRE, BUSS	A10463			2		
WL100-6	WIRE, BUSS	A10463			5		

REV QDE USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10463 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: COIL, RF, FXD ASSY PART NO: A1126

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
BS100	SOLDER, SOFT	A1126			X		
CI112Q1-2ROF	CORE, FXD, ROD	A1126			1		
GL104-2	INS, VARN	A1126			X		
TE153-2	TERM, LUG, RING	A1126			2		
WI107-7	WIRE, ELECL, MAG	A1126			X		

REV	Q D E	USED ON MODEL:	RFE-1	USED ON SECTION:
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NEXT ASSY: A10463	QTY PER NEXT ASSY: 1	ASSY LEVEL: 5	ASSY DESC: COIL, RF, PA PL	ASSY PART NO: CL10012
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PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
BS100	SOLDER, SOFT	CL10012			X		
FW10HBN	WASH, FLAT	CL10012			1		
GL102	CEM, Q-MAX	CL10012			X		
GL104-2	INSULEX, U-85	CL10012			X		
NS3W0316	INS, PLR, ROUND	CL10012			2		
NTH1032BN10	NUT, HEX	CL10012			1		
SC127-3	STUD, THD	CL10012			2		
TE104-4	TERM, LKG	CL10012			2		
WA109-56	WASH, FBR	CL10012			3		
WI125-12	WIRE, MAG	CL10012			X		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 32 OF 68

LIST SECTION

REV Q D E F USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1
 NEXT ASSY: A10463 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: COIL, RF, PA, OUT ASSY PART NO: CL10013

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
BS100	SOLDER, SOFT	CL10013			X		
FW10HBN	WASH, FLAT	CL10013			2		
GL102	CEM, Q-MAX	CL10013			X		
GL104-2	INSULEX, U-85	CL10013			X		
NS3W0316	INS, PLR, ROUND	CL10013			1		
NTH1032BN10	NUT, HEX	CL10013			2		
SC127-1	STUD, THD	CL10013			1		
SC127-3	STUD, THD	CL10013			1		
TE104-4	TERM, LKG	CL10013			2		
WA109-56	WASH, FBR	CL10013			2		
WI125-12	WIRE, MAG	CL10013			X		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 33 OF 68

REV D E L

USED ON MODEL: RFE-1

USED ON SECTION:

ASSY SHEET 1 OF 1

NEXT ASSY: A10463

QTY PER NEXT ASSY: 1

ASSY LEVEL: 3

ASSY DESC: TM BD ASSY

ASSY PART NO: A10478

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
PP10078/LD10139	TM, BD	A10478			1		
4 CA10443	CBL ASSY, MN	A10478			1		
CL10006-2	COIL, RF	A10478		2		L239, 240	
				1	3	L241	
CN108C1003J	CAP, MYLAR	A10478		1		C269,	
				2	3	C270, 272	
PX104-1-.022	INS, SLVNG	A10478			3		
RC20GF100J	RES, FXD, COMP	A10478			1	R226	
RC20GF104J	RES, FXD, COMP	A10478			1	R220	
RC20GF125J	RES, FXD, COMP	A10478			1	R225	
RC20GF133J	RES, FXD, COMP	A10478			1	R223	
RC20GF156J	RES, FXD, COMP	A10478			1	R222	
RC20GF222J	RES, FXD, COMP	A10478			1	R227	
RC20GF473J	RES, FXD, COMP	A10478			1	R229	
RC20GF754J	RES, FXD, COMP	A10478			1	R230	
RC20GF822J	RES, FXD, COMP	A10478			1	R224	
TE108-13	STANDOFF, RIV, TYPE	A10478			2		
TE10003	TERM	A10478			30		
WL-100-8	WIRE, BUSS	A10478			X		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 34 OF 68

LIST SECTION

REV	0 DEG	USED ON MODEL:	RFE-1	USED ON SECTION:		ASSY SHEET	1 OF 3
NEXT ASSY:	A10478	QTY PER NEXT ASSY:	1	ASSY LEVEL:	4	ASSY DESC:	CBL, MN
						ASSY PART NO:	CA10443

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
BS100	SOLDER, SOFT	CA10443			X		
CD101-1MW	CD, LACG	CA10443			X		
CUI01-9	FRL, OUTER	CA10443			2		
CUI01-10	FRL, OUTER	CA10443			2		
JJ158-P	CONN, RECP, ML	CA10443			1		
MWC22(7)U0	WIRE, ELECL, INS	CA10443		19			
				4			
				19	42		
MWC22(7)U1	WIRE, ELECL, INS	CA10443		17			
				22	39		
MWC22(7)U2	WIRE, ELECL, INS	CA10443		27			
				19	46		
MWC22(7)U3	WIRE, ELECL, INS	CA10443		21			
				23	44		
MWC22(7)U4	WIRE, ELECL, INS	CA10443		11			
				33			
				18			
				16	78		
MWC22(7)U5	WIRE, ELECL, INS	CA10443			17		
MWC22(7)U6	WIRE, ELECL, INS	CA10443			20		
MWC22(7)U7	WIRE, ELECL, INS	CA10443			19		
MWC22(7)U8	WIRE, ELECL, INS	CA10443		19			
				17	36		
MWC22(7)U9	WIRE, ELECL, INS	CA10443			10		
MWC22(7)U90	WIRE, ELECL, INS	CA10443			13		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST/NUMERICAL PARTS LIST 714/66

TOTAL SHEET 35 OF 68

LIST SECTION

REV	QDEG	USED ON MODEL:	RFE-1	USED ON SECTION:		TOTAL SHEET	35	OF	68
NEXT ASSY:	A10478	QTY PER NEXT ASSY:	1	ASSY LEVEL:	4	ASSY DESC:	CBL, MN	ASSY PART NO.:	CA10443
						ASSY SHEET	2	OF	3

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
MWC22(7)U91	WIRE, ELECL, INS	CA10443		18			
				34			
				23	75		
MWC22(7)U92	WIRE, ELECL, INS	CA10443		33			
				23			
				10	66		
MWC22(7)U93	WIRE, ELECL, INS	CA10443			19		
MWC22(7)U94	WIRE, ELECL, INS	CA10443		11			
				8			
				19	38		
MWC22(7)U95	WIRE, ELECL, INS	CA10443		23			
				12	35		
MWC22(7)U96	WIRE, ELECL, INS	CA10443		20			
				8			
				17	45		
MWC22(7)U97	WIRE, ELECL, INS	CA10443		21			
				10	31		
MWC22(7)U98	WIRE, ELECL, INS	CA10443		31			
				18	49		
PX100-9-.294	INS, SLVNG	CA10443			1		
PX830-8-1	SLVG, SHRINK	CA10443			2		
PX830-16-1	SLVG, SHRINK	CA10443			X		
RG188/U	CBL, MINAT, COAX	CA10443			33		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 36 OF 68

REV EG | USED ON MODEL: RFE-1 | USED ON SECTION: | ASSY SHEET 3 OF 3

NEXT ASSY: A10478 | QTY PER NEXT ASSY: 1 | ASSY LEVEL: 4 | ASSY DESC: CBL, MN | ASSY PART NO: CA10443

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
WI126-1	WIRE, I/C, HV	CA10443			6		
WL100-5	WIRE, BUSS	CA10443			2		
WL103-1	SHLD, FLEX	CA10443			X		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 37 OF 68

LIST SECTION

REV 6
 USED ON MODEL: RFE-1
 USED ON SECTION:
 NEXT ASSY: A10463
 QTY PER NEXT ASSY: 1
 ASSY LEVEL: 5
 ASSY DESC: COIL & SW ASSY
 ASSY PART NO: A10298

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
AN565D6H3	SCR, ALLEN	A10298	SW218R	2			
			MC104-1	4	6		
BS101-1	BRZG ALY, SILVER	TF10020			X		
CC109-28	CAP, FXD, CER	A10298			1	C273	
CL133-1-R24CW	COIL RF	TF10019			1		
FWO6HBN	WASH, FLAT	A10298	MS10409	4			
			PX10011-1/2/3	6			
			SW218(rear)	2			
			C273	1	13		
FWO8HBN	WASH, FLAT	A10298	SW218(FR)		2		
LWEO6MRN	WASH, LK, EXT	A10298	MS10409	4			
			PX10011-1/2/3	6			
			SW218(rear)	2			
			SW218W	2			
			C273	3	17		
MC104-1	CPLG	A10298			1		
MS202-4-7.00	LEAD, ELEC	TF10020			1		
MS203-1-0.62	LEAD, ELEC	A10298			10		
MS203-1-2.00	LEAD, ELEC	TF10020			2		
MS203-1-3.50	LEAD, ELEC	TF10019			1		
MS203-1-4.25	LEAD, ELEC	TF10019			1		
MS203-1-4.50	LEAD, ELEC	TF10019			1		
MS203-1-5.00	LEAD, ELEC	TF10019			1		
MS203-1-5.50	LEAD, ELEC	TF10019			1		
MS203-1-6.00	LEAD, ELEC	TF10019			1		
MS203-1-7.00	LEAD, ELEC	TF10019			1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 38 OF 68

REV 8 USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 3

NEXT ASSY: A10463 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: COIL & SW ASSY ASSY PART NO: A10298

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
MS203-1-7.50	LEAD, ELEC		TF10019		1		
MS203-2-1.87	LEAD, ELEC		A10298		2		
MS203-2-3.50	LEAD, ELEC		A10298		1		
MS10409	BASE, PL		A10298		1		
NS3W0104	INS, STANDOFF		A10298		2		
NS3W0308	INS, STANDOFF		A10298		2		
NTH0832BN10	NUT, HEX		A10298	SW218(FR)	2		
PM691RF7.25B	SHAFT, SW		A10298		1		
PM10070	BUSHING, XFMR		TF10020		2		
PX370-4-7	SLVG, TEF		A10298		28		
PX10005-1	PL, FR TANK, COIL		A10298		1		
PX10005-2	PL, REAR TANK, COIL		A10298		1		
PX10011-1	SPT, L TANK, COIL		A10298		1		
PX10011-2	SPT, TOP TANK, COIL		A10298		1		
PX10011-3	SPT, R TANK, COIL		A10298		1		
SCBPO632BN4	SCR, MACH		A10298	C273	1		
SCBPO632BN6	SCR, MACH		A10298	C273	1		
SCBPO632BN7	SCR, MACH		A10298	SW218W	2		
SCBPO632BN8	SCR, MACH		A10298	MS10409	4		
				PX10011-1/2/3	6	10	
SCBPO632BN10	SCR, MACH		A10298	SW218(rear)	2		
SCBPO832BN10	SCR, MACH		A10298	SW219(FR)	2		
SM111D2-06	NUT, SLF-LKG, CLIN		MS10409		8		
SW218B	SW MTG BAR		A10298		2		
SW218R	SW ROT		A10298		1		
SW218W	SW WAF		A10298		1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 40 OF 68

REV G USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 4

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: WRAPAROUND ASSY ASSY PART NO: A10461

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10261	AIR, FIL	A10461			1		
CA10444	CBL, ASSY, BLO	A10461			1		
AD102-4	FIL, AIR	A10461			1		
BB117-9	BUSH	A10461			1		
BL100	BLO, AIR	A10461			1		
CB21QW102K	CAP, FXD, MICA	A10461			1	G274	
CC109-1	CAP, FXD, CER	A10461			1	G275	
CM100-11	CAP, FXD, MICA	A10461			1	G212	
FC102-LXN	CLIP, FUSE	A10461			2		
FH103	HLDR, FUSE	A10461			1		
FS102-1	SPG, S, TYPE	A10461			13		
FWO4MRN	WASH, FLAT	A10461	MS10406		4		
FW25HBN	WASH, FLAT	A10461	NT110-2520BN		1		
GAL43-1	GSKT, BLO	A10461			1		
LD10234/MS10728	WRAPAROUND	A10461			1		
MS10728	WRAPAROUND	LD10234			1		
LWE04MRN	LK, WASH, EXT	A10461	MS10420	2x6			
			MS10421	8			
LWE04MSS	WASHER, LOCK EXT	A10461	FC102-LXN	2x1			
			UG568/U	3	5		
RI100-125-42	RIVET	A10461	MS10420	2x6	12		
RI100-125-42	RIVET	A10461	MS10421	8	8		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 41 OF 68

LIST SECTION

REV	G	USED ON MODEL:	RFE-1	USED ON SECTION:		ASSY SHEET	2	OF	4		
NEXT ASSY:	A10415	QTY PER NEXT ASSY:	1	ASSY LEVEL:	4	ASSY DESC:	WRAPAROUND ASSY			ASSY PART NO:	A10461

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
			C274	1			
			MS10406	2	28		
LWEO6MRN	LK, WASH, EXT	A10461	A10261	2	2		
LWEO8MRN	LK, WASH, EXT	A10461	BL100	4			
			NS3W0216	2x2	8		
LWE10MRN	LK, WASH, EXT	A10461	MS10425		1		
LWSO3MRN	LK, WASH, SPG	A10461	FS102-1	2x13	26		
LWS25MRN	LK, WASH, SPLIT	A10461	NT110-2520BN		2		
MS202-5-2.37	LEAD, CONNTG	A10461			1		
MS10406	BRKT, CONN, MTG	A10461			1		
MS10420	VENT, LT SD	A10461			2		
MS10421	VENT, R SD	A10461			1		
MS10425	PL, CONN, LKG	A10461			1		
MS10428	PL, NEUT, CAP	A10461			1		
MWC22(7)U92	CBL, INS	A10461			6		
MWC22(7)U94	CBL, INS	A10461			6		
MWC22(7)U95	CBL, INS	A10461			6		
MWC22(7)U98	CBL, INS	A10461			6		
NS3W0216	INS	A10461			2		
NTHO348BN6	NUT, HEX	A10461	FS102-1	2x13	26		
NT129-1224-4	NUT RD. SWAGE TYPE	MS10728			6		

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 42 OF 68

REV J USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 3 OF 4

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: WRAPAROUND ASSY ASSY PART NO: A10461

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
NTH0440BN6	NUT, HEX	A10461	MS10460	2x6			
			MS10421	8			
NTH0440SS6	NUT, HEX	A10461	UG568/U	4	8		
			MS10406	2			
			TE104-1	2x1	28		
NTH0632BN8	NUT, HEX	A10461	A10261	2	2		
NTH1032BN10	NUT, HEX	A10461	MS10425		1		
NTH1032BN12	NUT, HEX	A10461	MS10425		1		
NTH2520BN14	NUT, HEX	A10461	NT110-2520BN		1		
NT110-2520BN	NUT, WING	A10461	SCHH2520BN16		1		
PX100-1-.085	INS, SLVG, BLK	A10461		4x1	4		
PX100-1-.166	INS, SLVG, BLK	A10461			4		
RC42GF101J	RES, FXD	A10461			1	R219	
RC42GF221J	RES, FXD	A10461			1	R218	
SCBPO348BN3	SCR, MACH	A10461	G274		1		
SCBPO440BN4	SCR, MACH	A10461	TE102-2	1			
			TE104-1	2x1			
			MS10420	2x6			
			MS10421	8			
			FC102-1XC	2x1	25		
SCBPO440BN5	SCR, MACH	A10461	UG568/U	4			
			MS10406	2	6		

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 43 OF 68

REV G USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 4 OF 4

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: WRAPAROUND ASSY ASSY PART NO: A10461

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
SCBPO632BN5	SCR, MACH	A10461	A10261		2		
SCBPO832BN8	SCR, MACH	A10461	BL100	4			
			NS3W0216	2x2	8		
SCBP1032BN16	SCR, MACH	A10461	MS10425		1		
SCFPO348BN4	SCR, MACH	A10461	FS102-1	2x13	26		
SCHH2520BN16	SCR, MACH	A10461	NT110-2520BN		1		
SML13	NUT, KNRLD	A10461	MS10425		1		
S404	IRIDITE, YEL	MS10728			X		
		MS10406			X		
		MS10420			X		
		MS10421			X		
		MS10425			X		
		MS10428			X	X	
TE102-2	TERM, TUR	A10461	C212		1		
TE104-1	SOLDER, LUG	A10461	R219		1		
			R206		1		
			RG40/U to Gnd		1	3	
UG568/U	CONN, RECP	A10461			1	J205	
UG625/U	CONN, RF	A10461			3	J202-4	
WA109-46	WASH, FBR	A10461	NS3W0216	2x2	4		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

REV QAD USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10461 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: AIR, FIL, COV, ASSY ASSY PART NO: A10261

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PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
MS10410	COV, AIR, FIL	A10261			1		
EY100-2	EYELET, FLAT, FIG	A10261			3		
FS109-3	RING, STUD, RET	A10261			1		
FS110-1	STUD	A10261			1		
HI 10001	HNG	A10261			1		

TMC FORM 211-1 (9-64)

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 46 OF 68

REV G USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: BLO, CAP, MTG ASSY PART NO: A10460

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CM35C103J03	CAP, MICA	A10460			2	C265, 266	
CP69BLEF105K	CAP, PAPER	A10460			1	C268	
LD10205/MS10672	BRKT, TERM	A10460			1		
MS10672	BRKT, TERM	LD10205			1		
LWEO6MRN	LK, WASH, EXT	A10460	C268	2			
			TB201	4	6		
MS154-1	PL, STRDL	A10460			2		
NTH0632BN8	NUT, HEX	A10460	C268	2			
			TB201	4	6		
PX104-1-.034	INS, SLVNG	A10460		1	2		
PX336-3	INS, FISH, PAPER	A10460			1		
SCBPO632BN5	SCR, MACH	A10460	C268		2		
SCBPO632BN9	SCR, MACH	A10460	TB201		4		
TE104-2	TERM, LKG	A10460	TB201		5		
TM102-3	TERM, STRIP	A10460	CA10112				
			CA10444		1	TB201	
WL100-7	WIRE, ELEC, BUSS	A10460			2		

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 47 OF 68

REV ΦDE USED ON MODEL: RFE-1 USED ON SECTION: ASSEMBLY SHEET 1 OF 1

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: FIL, XFMR, CHAS ASSY PART NO: A10310

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LD10093/MS10399	CHAS, FIL, XFMR	A10310			1		
MS10399	CHAS, FIL, XFMR	LD10093			1		
EY102-15	GROM, RUB	A10310			1		
LWEO8MRN	LK, WASH, EXT	A10310	TF180		2		
NTH0832BN11	NUT, HEX	A10310	TF180		4		
S404	IRIDITE, YEL	MS10399			X		
TE104-3	TERM, LKG	A10310	TF180 to GND	1			
			CA10112	1	2		
TF180	XFMR, PWR	A10310			1	T210	
WL100-4	WIRE, BUSS	A10310			X		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 48 OF 68

REV E USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 5

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: DRIVER, CHAS, FNL ASSY ASSY PART NO: A10414

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS	
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
AX164	SUPP, PARAS	A10414			1	PS202		
A1453	SUPP, PARAS	A10414			0	PS202		
AX161	SUPP, PARAS	A10414			1	PS201		
A1543-2	SUPP, PARAS	A10414			0	PS201		
A10302	DRIVER, CHAS MECH	A10414			1			
A10416	WAF, ASSY	A10414			1			
A10417	WAF, ASSY	A10414			1			
CA10111	CBL, ASSY, RF	A10414			1			
CL10006-2	INDUCTOR, RF	A10414			2	L214, 218		
					2	4	C221, 225	
					2		L215, 216	
					2		L217, 201	
					2		L202, 203	
CL10006-6	INDUCTOR, RF	A10414			1	7	L204	
CL10006-7	INDUCTOR	A10414			1	L222		
CL10020	COIL	A10414			2	T204, 201		
CL10021	COIL	A10414			2	T202, 205		
CL10022	COIL	A10414			2	T203, 206		
CL10023-2	INDUCTOR, RF	A10414			2		L219, 220	
					2	4	L223, 224	
CL10029-1	COIL	A10414			1	L208		
CL10029-2	COIL	A10414			1	T207		
CM20C102J	CAP, FXD, MICA	A10414			2		C221, 232	
					1	3	C282	
CM15F101G03	CAP, FXD, MICA	A10414			1	C281		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 49 OF 68

REV QIG USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 5

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: DRIVER CHAS, FNL ASSY ASSY PART NO: A10414

NUMERICAL PARTS LIST

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CM35C103J03	CAP, FXD, MICA	A10414			1	C228	
CN108C1003J	CAP, MYLAR	A10414			1	C227	
FWO4MRN	WASH, FLAT	A10414	SW101		6		
HBL02-2	CAP, TUBE	A10414			1		
LWSO4MRN	LK, WASH, SPG	A10414	SW101		4		
MC102	SFT, COUPLER	A10414			1		
MC104-2	SFT, COUPLER	A10414			1		
MC111	SFT, COUPLER	A10414			1		
MWC22(7)U Pink	WIRE, INS.	A10414			7		
MWC22(7)U4	WIRE, INS	A10414			6		
MWC22(7)U5	WIRE, INS	A10414			5		
NTHO44OBN6	NUT, HEX	A10414	SW101		4		
PM691FF8.00P	SFT, FLATTED	A10414			1		
PM691RF2.00B	SFT	A10414			1		
PX100-1-.118	INS SLVG	A10414			2		
PX104-1-.034	INS SLVG	A10414			9x1		
					3		
					4		
					4	20	
PX104-2-.034	INS SLVG	A10414			1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 50 OF 68

REV ϕ USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 3 OF 5

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: DRIVER, CHAS, FNL, ASSY ASSY PART NO: A10414

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
PX104-2-.034	INS, SLVNG	A10414		1			
				1	2		
PX104-2-.034	INS, SLVNG	A10414		1			
				1	2		
PX104-2-.034	INS, SLVNG	A10414			2		
PX104-2-.034	INS, SLVNG	A10414		2			
				2			
				2	6		
PX104-2-.034	INS, SLVNG	A10414			2		
PX104-2-.034	INS, SLVNG	A10414			3		
PX104-3-.034	INS, SLVNG	A10414			1		
PX104-3-.034	INS, SLVNG	A10414		1			
				1	2		
PX104-4-.034	INS, SLVNG	A10414			1		
PX104-4-.034	INS, SLVNG	A10414			1		
PX104-4-.034	INS, SLVNG	A10414			1		
PX104-4-.034	INS, SLVNG	A10414		2			
				2			
				2	6		
PX104-4-.034	INS, SLVNG	A10414			2		
PX104-4-.034	INS, SLVNG	A10414			2		
PX104-4-.034	INS, SLVNG	A10414		2			
				2	4		
PX104-5-.034	INS, SLVNG	A10414		1			
				1	2		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 51 OF 68

REV ϕ USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 4 OF 5

NEXT ASSY: A10415 QTY PER NEXT ASSY: 1 ASSY LEVEL: 4 ASSY DESC: DRIVER, CHAS, FNL, ASSY ASSY PART NO: A10414

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
PX104-5-.034	INS, SLVNG	A10414			1		
PX104-5-.034	INS, SLVNG	A10414			1		
PX104-5-.034	INS, SLVNG	A10414			2		
PX104-5-.034	INS, SLVNG	A10414			4		
PX104-6-.034	INS, SLVNG	A10414			4		
PX104-7-.034	INS, SLVNG	A10414			1		
PX104-7-.034	INS, SLVNG	A10414			1		
					1		
					1		
					1	3	
PX104-7-.034	INS, SLVNG	A10414			1		
					1	2	
PX104-7-.034	INS, SLVNG	A10414			2		
RC20GF120J	RES, FXD	A10414			1	R211	
RC20GF222J	RES, FXD	A10414			2	R202, 205	
RC20GF224J	RES, FXD	A10414			1	R210	
RC20GF272J	RES, FXD	A10414			1	R204	
RC20GF333J	RES, FXD	A10414			1	R209	
RC20GF470J	RES, FXD	A10414			2	R207, 208	
RC20GF562J	RES, FXD	A10414			1	R201	
RC20GF822J	RES, FXD	A10414			2	R203, 234	
RC32GF153J	RES, FXD	A10414			1	R233	
RC42GF561J	RES, FXD	A10414			1	R212	
SCRPO44OBN28	SCR, MACH	A10414	SW101		4		

TMC FORM PML-1 (8-54)

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 54 OF 68

REV \emptyset USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10414 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: WAF, ASSY ASSY PART NO: A10417

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
WS101	SW, WAF	A10417			1	S201B	
MS783-2-32S	STRAP CONNTG	A10417	S201B		3		
WL100-7	WIRE, BUSS	A10417			2		
					5x3		
					3x3		
					4	30	

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 56 OF 68

LIST SECTION

REV QF USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 4

NEXT ASSY: A10414 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: DRIVER, CHAS, MECH ASSY ASSY PART NO: A10302

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10418	CAP, MTG ASSY	A10302			1		
A10419	CAP, MTG ASSY	A10302			1		
A10420	SHLD, RF DRIVER	A10302			1		
A10421	BRKT, SD DRIVER	A10302			1		
A10307	DRIVER, PL	A10302			1		
A10308	TRIMMER, BRKT	A10302			2		
CB21QW102K	CAP, FXD, MICA	A10302		2		C224, 230	
				1	3	C209	
CB21QW471K	CAP, FXD, MICA	A10302			1	C222	
CE63C500G	CAP, FXD, ELECT	A10302			1	C231	
CK70AW202M	CAP, FXD, CER	A10302		2		C225, 226	
				2		C279, 280	
				1	5	C206	
CV11A070	CAP, VAR	A10302			1	C223	
CV11C300	CAP, VAR	A10302			2	C201, 207	
EY102-2	GROM, RUB	A10302			1		
FW06MRN	WASH, FLAT	A10302	MS10416 to MS10402	2			
			MS10402 to MS10397	5	7		
LD10091/MS10397	CHAS, DRIVER	A10302			1		
MS10397	CHAS, DRIVER	LD10091			1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 57 OF 68

REV ΦF USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 2 OF 4

NEXT ASSY: A10414 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: DRIVER, CHAS, MECH ASSY ASSY PART NO: A10302

LIST SECTION	PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
	LD10100/MS10416	SHLD, CAP	A10302			1		
	MS10416	SHLD, CAP	LD10100			1		
	LWEO4MRN	LK WASH, EXT	A10302	MS10404	2x2			
				TE102-2	6x1			
				C224, 230, C209, 222	4x1			
				NT101-5	2	16		
	LWEO6MRN	LK WASH, EXT	A10302	MS10416 to MS10402	2			
				MS10407 to MS10397	2			
				MS10402 to MS10397	2			
				MS10414 to MS10397	3			
				PX10004 to MS10397	2x3			
				C231	1	16		
	LWSO3MRN	WASH, SPLIT	A10302	C223, 207, 201	3x2	6		
	NS10003-1	INS FDTHRU	A10302			3		
	NTHO44OBN6	NUT, HEX	A10302	MS10404	2x2	4		
	NTHO632BN8	NUT, HEX	A10302	MS10416 to MS10412	2			
				MS10407 to MS10397	1			
				MS10402 to MS10397	5			
				PX10004 to MS10397	2x4			
				C231	1	17		
	NT101-5	NUT, STRAP	A10302			1		

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 58 OF 68

REV G USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 3 OF 4

NEXT ASSY: A10414 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: DRIVER CHAS, MECH ASSY ASSY PART NO: A10302

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
SCBPO348BN3	SCR, MACH	A10302	C222, 224 C230, 209	1	4		
SCBPO440BN3	SCR, MACH	A10302	TE102-2	1	7		
SCBPO440BN4	SCR, MACH	A10302	NT101-5	2	2		
SCBPO440BN5	SCR, MACH	A10302	MS10404	2x2	4		
SCBPO632BN4	SCR, MACH	A10302	MS10414 to MS10397	3			
			MS10402 to MS10397	1			
			C231	1	5		
SCBPO632BN5	SCR, MACH	A10302	MS10416 to MS10402	2			
			MS10407 to MS10397	1			
			MS10402 to MS10397	4	7		
SCBPO632BN6	SCR, MACH	A10302	PX10004 (A10419)	4			
			PX10004 (A10418)	3	7		
SCBPO632BN7	SCR, MACH	A10302	PX10004 (A10418)		1		
SCRPO440BN7	SCR, MACH	A10302	C223, 207, 201	3x2	6		
SML23	NUT, PLN, CLINCH	MS10397			6		
S404	IRIDITE, YEL	MS10397		X			
		MS10416		X	X		
TE102-2	TERM, TUR	A10302	L219	1			
			L220, C228	1			
			R207	1			
			L214	1			
			L225	1			
			PS201	1			
			C232, PS202, L204	1	7		
TE104-1	TERM, LKG	A10302	TE102-2 at R207		1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 59 OF 68

REV PF USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 4 OF 4

NEXT ASSY: A10414 QTY PER NEXT ASSY: 1 ASSY LEVEL: 5 ASSY DESC: DRIVER CHAS, MECH ASSY ASSY PART NO: A10302

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TE104-2	TERM, LKG	A10302	R210,C228	1			
			CA10110-1/GND	1			
			R205	1	3		
TE104-5	TERM, LKG	A10302	R202		1		
TS103-P01	TUBE, SOC	A10302			1		
WA109-17	WASH, FBR	A10302	C223,207,201	3x4	12		

MATERIAL LIST/NUMERICAL PARTS LIST

REV		USED ON MODEL: RFE-1	USED ON SECTION:	ASSY SHEET 1 OF 1
NEXT ASSY: A10302	QTY PER NEXT ASSY: 1	ASSY LEVEL: 6	ASSY DESC: CAP, MTG, ASSY	ASSY PART NO: A10418

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CB139-1	CAP, VAR, AIR	A10418			1	C205A	
FWO6MRN	WASH, FLAT	A10418	C205A		4		
LWEO6MRN	LK, WASH, EXT	A10418	C205A		4		
MS783-2-32S	STRAP, CONNTG	A10418	C205A		4		
NTH0632BN8	NUT, HEX	A10418	C205A		4		
PX370-10-7	SLVG	A10418			6		
PX10004	BASE, CAP, MTG	A10418	C205A		1		
TE154-.169	TERM, DUAL	A10418	C202,204,203	1			
			L208,T203	1			
			T201,202,S201A				
			R201,202,203	1	3		

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 61 OF 68

REV EF USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10302 QTY PER NEXT ASSY: 1 ASSY LEVEL: 6 ASSY DESC: CAP, MTG, ASSY ASSY PART NO: A10419

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CBL39-2	CAP, VAR, AIR	A10419			1	C205B	
FWO6MRN	WASH, FLAT	A10419	C205B		4		
LWEO6MRN	LK, WASH, EXT	A10419	C205B		3		
MS783-2-32S	STRAP, CONNTG	A10419	C205B		4		
NTHO632BN8	NUT, HEX	A10419	C205B		4		
PX370-10-7	SLVG	A10419			6		
PX10004	BASE, CAP, MTG	A10419	C205B		1		
TE104-2	TERM, LKG	A10419	C232		1		
TE154-169	TERM, DUAL	A10419	C208,211,210	1			
			T206,207	1			
			T204,205,S201B R234,R204	1	3		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 62 OF 68

LIST SECTION

REV	Q/F	USED ON MODEL:	RFE-1	USED ON SECTION:	ASSY SHEET	1 OF 1			
NEXT ASSY:	A10302	QTY PER NEXT ASSY:	1	ASSY LEVEL:	6	ASSY DESC:	SHLD, R.F. DRIVER	ASSY PART NO:	A10420

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CK70AW202M	CAP, FDTHRU	A10420			1	G229	
LD10096/MS10407	BRKT, SW, MTG	A10420			1		
MS10407	BRKT, SW, MTG	LD10096			1		
NS10003-1	FDTHRU	A10420			2		
S404	IRIDITE, YEL	MS10407			X		

MATERIAL LIST/NUMERICAL PARTS LIST

7/4/66

TOTAL SHEET 63 OF 68

REV 6 USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10302 QTY PER NEXT ASSY: 1 ASSY LEVEL: 6 ASSY DESC: BRKT, SD DRIVER, CHAS ASSY PART NO: A10421

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CK70AW202M	CAP, FXD, FDTHRU	A10421		2		C252, 253,	
				2		C254, 255,	
				1	5	C256	
EY102-2	GROM, RUB	A10421			2		
EY102-3	GROM, RUB	A10421			1		
LD10095/MS10402	BRKT, SD DRIVER	A10421			1		
MS10402	BRKT, SD DRIVER	LD10095			1		
LWE04MRN	LK WASH, EXT	A10421	TE102-2		2		
NTH0632BN8	NUT, HEX	A10421	TE104-2		1		
SCBP0440BN3	SCR, MACH	A10421	TE102-2		2		
SCBP0632BN4	SCR, MACH	A10421	TE104-2		1		
5 S404	IRIDITE, YEL	MS10402			X		
TE102-2	TERM, TUR	A10421	C227, L218	1			
			HB102-2 PS202	1	2		
TE104-2	TERM, LKG	A10421	CA10110-2 to Gnd	1	1		

MATERIAL LIST/NUMERICAL PARTS LIST 7/4/66

TOTAL SHEET 64 OF 68

REV 8 USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10302 QTY PER NEXT ASSY: 1 ASSY LEVEL: 6 ASSY DESC: DRIVER, PL SUB ASSY ASSY PART NO: A10307

LIST SECTION

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LD10099/MS10414	PL, DRIVER, MTG	A10307			1		
MS10414	PL, DRIVER, MTG	LD10099			1		
CB21QW102K	CAP, MICA	A10307			2	G233, 283	
CM35C103J03	CAP, MICA	A10307			1	G234	
LWE04MRN	LK WASH, EXT	A10307	G233, 283	2			
			TE102-2	1	3		
LWE06MRN	LK WASH, EXT	A10307	TS101P01		1		
NTH0632BN8	NUT, HEX	A10307	TS101P01		2		
PX104-6-.034	INS, SLVG, BLU	A10307			2		
SCBPO348BN3	SCR, MACH	A10307	G233, 283		2		
SCBPO440BN3	SCR, MACH	A10307	TE102-2		1		
SCBPO632BN5	SCR, MACH	A10307	TS101P01		2		
S404	IRIDITE, YEL	MS10414			X		
TE108-18	STANDOFF, THREADED	MS10414			3		
TE102-2	TERM, TUR	A10307	L224		1		
TE104-2	TERM, LKG	A10307	CA10111 to Gnd		1		
TS101P01	TUBE, SOC	A10307			1	XV202	

MATERIAL LIST/NUMERICAL PARTS LIST *7/4/66*

TOTAL SHEET **65** OF **68**

REV <i>Q/F</i>	USED ON MODEL: RFE-1	USED ON SECTION:	ASSY SHEET 1 OF 1
NEXT ASSY: A10302	QTY PER NEXT ASSY: 1	ASSY LEVEL: 6	ASSY PART NO: A10308
		ASSY DESC: TRIMMER, BRKT, SUB ASSY	

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
CV11C300	CAP, TRIMMER	A10308		2		C202, 204	
				1	3	C203	
LWEO4MRN	LK, WASH, EXT	A10308	CV11C300	2	6		
MS10404	BRKT	A10308			1		
NTHO44OBN6	NUT, HEX	A10308	CV11C300	2	6		
PX100-1-.125	INS, SLVG, BLK	A10308			3		
PX104-1-.034	INS, SLVG, BLK	A10308			4		
SCBPO44OBN7	SCR, MACH	A10308	CV11C300	2	6		
S404	IRIDITE, YEL	MS10404			X		
WA109-17	WASH, FBR		CV11C300	4	12		
WL100-7	WIRE, BUSS	A10308			8		

TMC FORM PML-1 (8-64)

MATERIAL LIST/NUMERICAL PARTS LIST

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TOTAL SHEET 66 OF 68

REV Q/F USED ON MODEL: RFE-1 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: A10302 QTY PER NEXT ASSY: 1 ASSY LEVEL: 6 ASSY DESC: TRIMMER BRKT, SUB ASSY ASSY PART NO: A10308

LIST SECTION	PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
	CV11C300	CAP, TRIMMER	A10308		2	3	C208, 211	
					1	3	C210	
	LWEO4MRN	LK, WASH, EXT	A10308	CV11C300	2	6		
	MS10404	BRKT				1		
	NTHO44OBN6	NUT, HEX	A10308	CV11C300	2	6		
	PX100-1-.125	INS, SLVG, BLK	A10308			3		
	PX104-1-.034	INS, SLVG, BLK	A10308			4		
	SCBPO44OBN7	SCR, MACH	A10308	CV11C300	2	6		
5	S404	IRIDITE, YEL	MS10404			X		
	WA109-17	WASH, FBR	A10308	CV11C300	4	12		
	WL100-7	WIRE, BUSS	A10308			8		

MODEL RFE-1

PROJECT NO

028/66

DATE	REV.	PAGE	ITEM	DESCRIPTION	MOD. CHK. NO.	APP.
7 APR 66	Φ	ALL	ALL	RELEASED TO PRODUCTION		
18 APR 66	A	1	16	WAS QUANT. 1		
		1	15	WAS MS10426-1 QTY 1		
		13	2	DELETED		
		27	3	CL178 ADDED		
		27	4	QTY CHANGED 1 TO Φ		
		38	1	WAS PM691RF7.25B		
		46	ASSY PART NO	WAS A10361		
		48	6,7	ADDED		
25 APR 66	B			REVISED BY CEMN 001		
5 MAY 66	C			REVISED BY CEMN 003		
20 MAY 66	D			REVISED BY CEMN 017		
7 JUN 66	E			REVISED BY CEMN 030		
14 JUN 66	F			REVISED BY CEMN 037		
17 JUL 66	G			REVISED BY CEMN 063		
30 OCT 66	H			REVISED BY CEMN 088		
20 OCT 66	J			REVISED BY CEMN 100		
5 APR 67	K			REVISED BY CEMN 204		
12 APR 67	L			REVISED BY CEMN 208		
23/6/71	M	16		REVISED BY CEMN 1017		
10/9/71	N	41		REVISED BY CEMN 1057		
20/1/72	P	15, 17		REVISED BY CEMN 1120		
14/3/72	Q	17		REVISED BY CEMN 1149		
24/3/72	R	40, 42		REVISED BY CEMN 1153		