

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY	REQ. PER UNIT	USED ON			A3814	\emptyset
					MODEL	ASS'Y. NO.	DATE		
				1	AZ102	AZ102	4/6/65		

4	A3699	2
5	A3699	2
	MS3922	3
7	A3699	2
	MS3922	3

5	7	SCBP0632BN5	SCR, MACH
1	6	MS3922	COVER, WRPAD
5	5	LWE06MRN	WASH., LK, EXT
2	4	FW06HBN	WASH., FLAT
	3	BS100	SOLDER, TIN ALY
1	2	A3815	CHAS ASSY
1	1	A3699	PC BD ASSY

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL		
			<i>POSE</i>			
			THE TECHNICAL MATERIEL CORP.			
			MAMARONECK. NEW YORK			
			AZ102 FINAL ASSEMBLY			
<p>ORIGINAL RELEASE FOR PRODUCTION 6/29/65</p>						
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED		SCALE				
DIMENSIONS ARE IN INCHES AND INCLUDE						
CHEMICALLY APPLIED OR PLATED FINISHES						
DECIMALS	FRACTIONS	CODE				
.X ± .05	± 1/64					
.XX ± .01	ANGLES					
.XXX ± .005	± 0° 30'					
TOLERANCES						
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPR VAL	
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	A3814		\emptyset

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY	REQ. PER UNIT	USED ON			A3818	B
					MODEL	ASS'Y. NO.	DATE		
				1	BSP-4		7-9-65		
ARI	1								
DS1	2								
	4	HA102	4						
XF1	5								
F1	6								
F1	7								
LS1	10								
	11	HA102	4						
	12	FOR RV4	1						
	13	LS107	1						
	14	TS175 & RV4 WRG	2						
R1 - S1	16								
	17	AZ102, LS107, MS3920	4	1	20	TS175-1	LIGHT, IND-WHT		
	18	HA102	4	4	19	SFB0256SN3	SCR TAP., THD CTG		
	19	NP102	4	4	18	SCBP1032BN8	SCR, MACH		
XDS1	20		4	4	17	SCBP0632BN8	SCR, MACH		
				1	16	RV4NBYS503C	RES, VAR-COMP		
				1	15	NP102-77	PLATE, IDENT		
				2	14	MWC22/7/U1	WIRE, ELEC, INS		
				1	13	MS3920	GRILLE, SPKR		
				1	12	MP123-3FB	KNOB		
				4	11	LWS10MRN	WASH., LK, SPLIT		
				1	10	LS107-2	LDSPKR, PM		
				1	9	LD1564/MS3882	PNL, FRONT		
				2	8	HA102-11BN	HDL, BOW		
				1	7	FU102-.1	FUSE, CTG., 1A-115VAC		
				1	6	FU102-.062	FUSE, CTG., 062A-230VAC		
				1	5	FH100-1	FUSEHOLDER		
				4	4	CU139-2B	FRL, HDL		
					3	BS100	SOLDER, TIN ALY		
				1	2	BI111-2	LAMP, GLOW		
				1	1	AZ102	AMPL, AF		

SEE NOTE 1

NOTES:

1. USE ITEM 6 OR 7 AS REQUIRED.

REQ.	ITEM	PART NO.	POSE	DESCRIPTION	SYMBOL	
B	17.6 WAS FU102-.032 17.7 WAS FU102-.062	37L-LL 15964		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
A	17.6 WAS FU102-.062 17.7 WAS FU102-.1	1/27/66 15641		BSP-4 FNL ASSY		
	ORIGINAL RELEASE FOR PRODUCTION	7/12/65				
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'		TOLERANCES		
TYPE & TEMPER		HEAT TREAT. SPEC.		FINISH & SPEC. NO.		
ENG COORD 7-9-65		DRAWN x.gable 7-9-65		CHECKED FINAL APPROVAL 7/12/65		
				A3818		
				B		

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY	REQ. PER UNIT	USED ON				
					MODEL	ASS'Y. NO.	DATE		
				1	RTRS-1/1B		4/15/65	A3865	
DS6001-6004	1								
	4	CA967	1						
	5	HA102-1BN	4						
	6	CU102-1	1						
	8	MS4101	6						
	9	TM102-20	4	1	26	TM102-20	TERM. BD-BARR		
	10	CU102-1	1	1	25	SW336-1-15-1AD	SW,PUSH		
	11	TM102-20	2	4	24	SFB0256SN3	SCR,TAP.,THD CTG		
	16	TM102-20	4	4	23	SCBP1032BN8	SCR,MACH		
	17	CU102-1	1	2	22	SCBP0832BN8	SCR,MACH		
	18	TM102-20	1	1	21	SCBP0632BN6	SCR,MACH		
	19	MS4101	6	4	20	SCBP0440BN11	SCR,MACH		
	20	TM102-20	4	6	19	SCBP0256BN3	SCR,MACH		
	21	CU102-1	1	1	18	PX337-20	INS,TERM. BD		
	22	SW366	2	1	17	NTH0632BN8	NUT,PLN,HEX		
	23	HA102-1BN	4	4	16	NTH0440BN8	NUT,PLN,HEX		
	24	NP102-69	4	2	15	HA102-1BN	HDL,BOW		
S6001,A,B,C,D25				1	14	NP102-69	PLATE,IDENT-COML		
XDS6001-6004				1	13	MS4101-2	COV,CUTOUT-NOTE 2		
TB6001	26			1	12	MS4101-1	COV,CUTOUT-NOTE 1		
				2	11	MS154-1	PL,MTG,TERM. BD		
				1	10	LWE06MRN	WASH.,LK,EXT		
				4	9	LWE04MRN	WASH.,LK,EXT		
				6	8	LWE02MRN	WASH.,LK,EXT		
				1	7	LD1599/MS4020	PNL,FR		
				1	6	FW06HBN	WASH.,FLAT		
				4	5	CU139-2B	FRL,HDL		
				1	4	CU102-1	CLAMP,LOOP-1/8		
				1	3	CA967	WRG HARN,BRCHD		
				2	2	BS100	SOLDER,TIN ALY		
				4	1	BI110-7	LAMP,INCAND		

NOTE 2 →

NOTE 1 →

NOTE 1. MS4101-1 TO BE USED ONLY FOR RTRS-1.

NOTE 2. MS4101-2 TO BE USED ONLY FOR RTRS-1B.

REQ.	ITEM	PART NO.	EATON				DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP.					
			MAMARONECK. NEW YORK					
			STOCK SIZE					
			MATERIAL					
			RTRS-1 FINAL ASSEMBLY					
SYM	DESCRIPTION		DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES			SCALE					
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005			FRACTIONS ± 1/64 ANGLES ± 0° 30'		TOLERANCES			
TYPE & TEMPER			HEAT TREAT. SPEC.		ENG COORD		DRAWN	
FINISH & SPEC. NO.			ELEC. DES. APP.		MECH. DES. APP.		FINAL APPROVAL	
					A3865			

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY
	4	A3894	2
		A3895	2
	5	A3894	2
		A3895	2

REQ. PER UNIT	USED ON			A3892	Ø
	MODEL	ASS'Y. NO.	DATE		
1	LPCA-1	A2897	4/15/65		

4	5	SCBP0632BN6	SCR, MACH
4	4	LWE06MRN	WASH., LK, EXT
1	3	A3895	CAP./REL ASSY
1	2	A3894	XFMR ASSY
1	1	A3893	CHAS ASSY, AF

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	POSE	DESCRIPTION	SYMBOL
Ø	ORIGINAL RELEASE FOR	4-24-65		030							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES							THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK POWER SUPPLY/AF ASSEMBLY				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005							STOCK SIZE MATERIAL TYPE & TEMPER HEAT TREAT. SPEC. DRAWN CHECKED FINAL APPROVAL 4-27-65 ENG COORD 2. gabil 4-27-65 A. H. May 5/11/65 A3892 Ø				
FRACTIONS ± 1/64 ANGLES ± 0° 30'							FINISH & SPEC. NO. ELEC. DES. APP. MECH. DES. APP.				

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY
	2	TF272	4
	3	TX103	4
		2N2143	2
	4	TS166-1	6
	5	TS166-1	6
	6	TS166-1	6
	7	TF272	4
	8	TX103	4
		2N2143	2
T102	9		
XQ101-103	10		
Q102,103	11		
Q101	12		

REQ. PER UNIT	USED ON			A3893	Ø
	MODEL	ASS'Y. NO.	DATE		
1	LFCA-1	A3892	4/15/65		

1	12	2N2143	TRANSISTOR
1	11	TX103	TRANSISTOR
3	10	TS166-1	SOC,SCOND DEV
1	9	TF272	XFMR,AF
6	8	SCBP0632BN8	SCR,MACH
4	7	SCBP0440BN4	SCR,MACH
6	6	SCBP0256BN6	SCR,MACH
6	5	NTH0256BN6	NUT,PLN,HEX
6	4	LWS02MRN	WASH.,LK,SPLIT
6	3	LWE06MRN	WASH.,LK,EXT
4	2	LWE04MRN	WASH.,LK,EXT
1	1	LD1571/MS3937	CHAS.,AF

Ø	ORIGINAL RELEASE FOR	4-29-65					
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE					
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE				

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		POSE	
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		CHASSIS ASSEMBLY,AF	
MATERIAL			
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN
			CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.
			A3893
			Ø

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY
T101	4		

REQ. PER UNIT	USED ON			A3894	Ø
	MODEL	ASS'Y. NO.	DATE		
1	LFCA-1	A3892	4/15/65		

1	4	TF269	XFMR, PWR, SD
4	3	NTH0632BN8	NUT, PLN, HEX
4	2	LWE06MRN	WASH., LK, EXT
1	1	LD1572/MS3934	PL, MTG, XFMR

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL		
			<i>POSE</i>			
			THE TECHNICAL MATERIEL CORP.			
			MAMARONECK. NEW YORK			
			XFMR ASSEMBLY			
Ø						
SYMBOL	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
		4-29-65			RJL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		TOLERANCES		FRACTIONS ± 1/64 ANGLES ± 0° 30'		
		CODE				
		TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
				4-27-65 ENG COORD	<i>L. Goble</i> 4-27-65	<i>AMM</i> 5/4/65
		FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	
						A3894
						Ø

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY
C104	1		
	2	CE112-2N	1
	3	RW107-18	2
	5	CUI45A1	3
		RW107-18	2
	6	CUI45A1	3
		RW107-18	2
K101	7		
R101,107	8		
	9	CUI45A1	3
	10	RW107-18	2
	11	CUI45A1	2
XK101	12		
CR101	13		
	14	RW107-18	4
CR104	15		
CR102	16		
CR103	17		

REQ. PER UNIT	USED ON			A3895	Ø
	MODEL	ASS'Y. NO.	DATE		
1	LFCA-1	A3892	4/15/65		

1	17	1N2978RB	SCOND DEV,DIO
1	16	1N2976B	SCOND DEV,DIO
1	15	1N2484	SCOND DEV,DIO
4	14	WA102-4	WASH.,NM
1	13	VR101-24S51	SCOND DEV,DIO-ZNR
1	12	TS171-1	SOC,RELAY-W/RET.
2	11	TE149-144	TERM.,LUG-NO.6
2	10	SCBP0632BN22	SCR,MACH
3	9	SCBP0632BN5	SCR,MACH
2	8	RW107-18	RES,FXD,WW-5W-50 OHMS
1	7	RL156-1	REL,ARM.-DPDT
5	6	NTH0632BN8	NUT,PLN,HEX
5	5	LWE06MRN	WASH.,LK,EXT
1	4	LD1575/MS3933	PL,MTG,CAP./REL
2	3	FW06HBN	WASH.,FLAT
1	2	CUI45A1	RET.,CAP.
1	1	CE112-2N	CAP.,FXD,ELECT.

Ø	ORIGINAL RELEASE FOR PRODUCTION	4-30-65					
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE					
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE				

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		POSE	
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		CAPACITOR/RELAY ASSEMBLY	
MATERIAL			
		4-27-65 ENG COORD	L. Sobel 4-27-65
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.
		A3895	Ø

SYMBOL(S)	ITEM NO.	USED TO MOUNT	QTY
DS101-103	1		
J101	4		
M101	7		
M102	8		
R104,105	10		
R106	11		
	12	HA102	4
	13	NP102	4
S104	14		
S101	15		
S103	16		
S102	17		
	18	MR180 WRG	2
		MR186 WRG	2
	19	RV4	2
		RV110	1
XDS102,103	20		
XDS101	21		

REQ. PER UNIT	USED ON			A3897	Ø
	MODEL	ASS'Y. NO.	DATE		
1	LFCA-1	A2897	4/19/65		

1	21	TS106-3	LIGHT, IND-GRN
2	20	TS106-1	LIGHT, IND-RED
3	19	TE111-2	TERM. ,LUG-3/8D
4	18	TE104-5	TERM. ,LUG-LKG-NO. 1/4
1	17	SW296-1	SW,PUSH-RED
1	16	SW112	SW,ROTARY
1	15	ST22K	SW,TOGGLE-DPST
1	14	ST12D	SW,TOGGLE-SPDT
4	13	SFB0256SN3	SCR,TAP. ,THD CTG
4	12	SCFP1032BN8	SCR,MACH
1	11	RV110-1	RES,VAR-COMP-TAPPED
2	10	RV4NAYSJIOIA	RES,VAR-COMP
1	9	NP102-78	PLATE,IDENT
1	8	MR186	METER,AUDIO LVL
1	7	MR180	METER
4	6	MP123-3FB	KNOB
1	5	LD1574/MS3952	PNL,FRONT
1	4	JJ034	JACK,TEL
2	3	HA102-11BN	HDL,BOW
4	2	CU139-2B	FRL,HDL
3	1	BI101-1819	LAMP,INCAND

Ø	ORIGINAL RELEASE FOR REVISION	4-29-65	WJL			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE			

REQ. ITEM	PART NO.	POSE	DESCRIPTION	SYMBOL
STOCK SIZE		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
MATERIAL		PANEL ASSEMBLY, FRONT		
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	A3897