



# MATERIAL LIST

REV

A B C D E

MODEL CSS-1B

SHEET 1 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	A-2352-1			Machining, Terminal Board				
1	A-2352-2			Lettering, Terminal Board				
1	A-2352-3			Sub-Assembly, Terminal Board				
2	BI-101-1820			Lamp, Incandescent	Standby Power			I601 I602
6	CC-100-16			Capacitor, Fixed, Ceramic, Disc, .01 uf		A-2352	4	C603, 604, 605, 607
						A-2352	1	C609,
							1	C612
4	CC-100-28			Capacitor, Fixed, Ceramic, Disc, .1 uf		A-2352	3	C601, 602, 606, C610
2	CE51C301G			Capacitor, Electrolytic, Octal Base				C608, 611
2	CF-117-2.0			Form, Coil		AC-122	1	
						NF-106	1	
2	CI-109-7			Core, Tuning, Powdered Iron		AC-122	1	
						NF-106	1	
2	CL-140-1			Coil, R.F., Fixed, 2.5 mhy		A-2352	2	L601, 602
2	CM15C471J			Capacitor, Fixed, Mica		NF-106	2	
1	CM20D102J			Capacitor, Fixed, Mica		AC-122	1	

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	CM35C822J			Capacitor, Fixed, Mica		AC-122	1	
2	CU-118-7S			Retainer, Capacitor		CB51 Mtg.	2	
4	CU-133-1			Clip, Electrical, Transistor		ZN1224 Mtg.	4	
4	CU-139-2B			Ferrule, Handle		HA-102 Mtg.	4	
4	FC-102-1-XX-N			Clip, Fuse		Fuse Mtg.	4	
1	PH-104-3			Fuseholder, Indicating, Neon				XF601(c/o I603, R628)
1	FH-104-13			Fuseholder, Indicating, Incandescent				XF602(c/o I604, R629)
2	FP-161			Can		A-1513	1	
				<u>FOR 115 VOLT OPERATION</u>				
4	FU-102-1			Fuse, Cartridge, Slo-Blo, 1 Amp.	B+			F601 & 1 Spare F602 & 1 Spare
				<u>FOR 230 VOLT OPERATION</u>				
2	FU-102-.500			Fuse, Cartridge, Slo-Blo, .5 Amp	B+			F601 & 1 Spare F602 & 1 Spare
2	FU-102-1			Fuse, Cartridge, Slo-Blo, 1 Amp.				

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MODEL CSS-1B  
SHEET 3 OF 15

REV A B C D E

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	HA-102-2BN			Handle, Bow				
1	JJ-175			Connector, Receptacle, Twist Lock, Male	Power In			J605
1	MP-100-4			Knob, Instrument, W/Pointer	Sensitivity			
1	MR-142			Meter, DC Milliamps, Phase Comparator				M601
1	MS-2070			Cover, Bottom				
1	MS-2182			Plate, Side, Left	LD-730			
1	MS-2184			Plate, Rear				
1	MS-2185			Front, Panel, Machining	LD-722			
2	MS-2203			Bracket, Rectifier Mount				
1	MS-2367			Cover, Top				
1	MS-2829			Bracket, Mounting, Frequency Standard	LD-999			
1	MS-2830			Plate, Mounting, Frequency Standard				
1	MS-2831			Plate, Side, Right	LD-1051			
1	MS-2833			Chassis, Main				
1	MS-2842			Retainer, Frequency Standard				
1	MS-2843			Base, Frequency Standard				

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THE TECHNICAL MATERIEL CORPORATION

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MODEL CSS-1B

SHEET 4 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	NF-105-1 Or NF-105-2 Or NF-109-1 Or NF-109-2			Frequency Standard, Plug in Type				Z602
1	NP-103-61			Nameplate, Identification	Comm.			
1	NP-442			Nameplate, Identification	Navy			
1	PL-218			Connector, Plug, AC, 3 Prong, Male	CA-555			P602
1	PL-176			Connector, Plug, AC, 3 Prong, Female	CA-555			P601
1	PX-403			Terminal Board, 5 Lug		NF-106	1	
1	PX-547			Terminal Board, 4 Lug		AC-122	1	
3	RC20GF102K			Resistor, Fixed, Composition		A-2352	3	R605,606,612
1	RC20GF103K			Resistor, Fixed, Composition		A-2352	1	R615
1	RC20GF181K			Resistor, Fixed, Composition		A-2352	1	R625
1	RC20GF183K			Resistor, Fixed, Composition		A-2352	1	R626
3	SEE NOTE			NOTE: Not Supplied By TMC		A-2352	3	R621,622,623
1	RC20GF222K			Resistor, Fixed, Composition		A-2352	1	R609
4	RC20GF223K			Resistor, Fixed, Composition		A-2352	4	R603,608,610,627

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SHEET 5 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	RC20GF271K			Resistor, Fixed, Composition		A-2352	2	R604,607
2	RC20GF561K			Resistor, Fixed, Composition		A-2352	2	R601,602
1	RC20GF562K			Resistor, Fixed, Composition		A-2352	1	R613
1	RC20GF681K			Resistor, Fixed, Composition		A-2352	1	R611
1	RC <del>32</del> GF102K			Resistor, Fixed, Composition, 1 Watt				R619
2	RC42GF181K			Resistor, Fixed, Composition, 2 Watt				R620,624
1	RV4ATRD105A			Resistor, Variable, 2 Watt	Sensitivity			R616
1	RV106UX8B252A			Resistor, Variable, 2.5K, 1/2 Watt	Output Adj.			R617
1	RV106UX8B502A			Resistor, Variable, 5K, 1/2 Watt	Ph.Det.Bal.			R614
1	RW-111-6			Resistor, Fixed, Wire Wound, 25 Ohms, 25 Watts				R618
1	RX-105-17			Rectifier, Full Wave Bridge				CR602
1	RY-123-2			Rubber Sheet, 1/16 Thick		MS-2843	1	
1	RY-123-3			Rubber Sheet, 1/16 Thick		MS-2842	1	
2	RY-123-4			Rubber Sheet, 1/16 Thick		MS-2842	2	
4	SM-145			Bushing, Coil Mounting		AC-122	2	
						NF-106	2	
1	ST22N			Switch, Toggle, DPDT	On-Standy			S601

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MODEL CSS-1B  
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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	TF-221			Reactor, 30MH				L603
1	TF-274			Transformer, Power, Step-Down				T601
1	TF-228K15			Transformer, pulse, Step-Up		A-2352	1	T602
2	TS-165-P01			Socket, Tube, Octal, Low Crown				XC608, 611
1	TS-101-P01			Socket, Tube, Octal, High Crown				XZ602
1	TS-106-1			Light, Indicator, W/Red Lens	Power			XI602
1	TS-106-2			Light, Indicator, W/Clear Lens	Standby			XI601
4	TS-147			Socket, Transistor				XQ601, 602, 603, XQ604
5	UG-625*/U			Connector, Coaxial, Female				J601, 602, 603, J604, 606

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MODEL CSS-1B  
SHEET 7 OF 15

REV A B C D E

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION TUBES & DIODES	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	1N67			Semiconductor Device, Diode, Germanium		NF-106	1	Q601, 602, 603, Q604
4	2N1224			Transistor				CR601
1	VR-100-27-S-10			Semiconductor Device, Diode, Zener, 27volt				

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REV **A B C D E**

MODEL **CSS-1B**

SHEET **8** OF

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	CU-102-2			Clamp, Cable		CA-671 MTG.	1	
2	CU-102-4			Clamp, Cable		For CA-671		
4	EY-100-1			Eyelet, Flanged		A-1513	2	
1	EY-102-3			Grommet, Elastic		CA-671	1	
1	EY-102-14			Grommet, Elastic		For MS-2829	1	
8	FS-102-1			Spring, "S" Type		For MS-2182	4	
8	FS-109-3			Ring, Stud Retaining		For MS-2831	4	
8	FS-110-1			Stud, Fastener		MS-2070	4	
10	LWE04MRN			Washer, Lock, External		MS-2367	4	
45	LWE06MRN			Washer, Lock, External				
12	LWE08MRN			Washer, Lock, External				
4	LWE10MRN			Washer, Lock, External				
4	LWI25MRN			Washer, Split, Internal		AC-122	2	
						NF-106	2	
4	LWS02MRN			Washer, Lock, Split		CU-133 Mtg.	4	
24	LWS03MRN			Washer, Lock, Split				
4	NT102			NUT, PLN, HEX		AC122	2	
4	NT-129-256-4			Nut, Round, Swage Type		NF106	2	
						MS-2833	4	

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MODEL CSS-1B

SHEET 9 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
11	NT-129-632-4			Nut, Round, Swage Type		MS-2829 MS-2830 MS-2833 MS-2843	6 1 2 2	
6	NT-136-1032-4			Nut, Round, Swage Type, Self Locking		MS-2182 MS-2831	3 3	
24	NTH0348BN6			Nut, Hexagon				
14	NTH0632BN8			Nut, Hexagon		AC-122 NF-106	1 1	
19	NTH0832BN10			Nut, Hexagon				
4	SCBP0256BN3			Screw, Machine		CU-133 Mtg.	4	
8	SCBP0348BN7			Screw, Machine				
14	SCBP0632BN5			Screw, Machine		MS-2842 Mtg.	2	
2	SCBP0632BN10			Screw, Machine				
24	SCFP0348BN4			Screw, Machine				
11	SCFP0832BN5			Screw, Machine				
4	SCHH1032BN10			Screw, Machine				
2	TE-102-2			Terminal, Insulated, Turret Type				
6	TE-104-2			Terminal, Lug, No. 6				

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SHEET 10 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION HARDWARE	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	TE-104-5			Terminal, Lug, No. 1/4		AC-122	1	
						NF-106	1	
4	TE-108-13			Spacer, Sleeve, Thread, Rivet Type		A-2352	4	
64	TE-109-3			Terminal, Stud, Rivet Type		A-2352	64	
4	TE-111-2			Terminal, Lug		J601 Mtg.	1	
						J602 Mtg.	1	
						J604 Mtg.	1	
						J606 Mtg.	1	
4	TE-116-3			Terminal, Lug		A-2352	4	
5	TE-149-144			Terminal, Lug				
2	TE-153-2			Terminal, Lug, Ring Type, 3/8 I.D.		AC-122	2	
2	TE-156-32945			Terminal, Lug, Solderless				
4	TE-167			Bracket, Angle, Threaded		A-1513	2	
9	TE-168-4B			Terminal, Stud, Miniature, Rivet Type		PX-403	5	
						PX-547	4	
1	TE-170-2			Terminal, Lug, Collar Type, 3/8 I.D.		NF-106	1	
1	TE-170-4			Terminal, Lug, Collar Type, 3/8 I.D.		NF-106	1	

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MODEL CSS-1B

SHEET 11 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				RAW MATERIALS				
X	BS-100			Solder, Soft				
X	CD-101-1-MW			Cord, Lacing		CA-671	X	
X	GL-101-1			Cement, Pliobond		MS-2843	X	
X	GL-103			Cement, Duco		AC-122, NF-106	X	
X	GL-104-2			Insulex, U85		AC-122	X	
						NF-106	X	
5	LA-101			Marker, Wire, No's. 1,2,3,4,5		CA-671	5	
1-4	MWC20(7)U0			Cable, Insulated	Black	CA-671		
3-3	MWC20(7)U1			Cable, Insulated	Brown	CA-671		
1-3	MWC20(7)U2			Cable, Insulated	Red	CA-671		
1-7	MWC20(7)U3			Cable, Insulated	Orange	CA-671		
1-10	MWC20(7)U4			Cable, Insulated	Yellow	CA-671		
2-0	MWC20(7)U6			Cable, Insulated	Blue	CA-671		
2-4	MWC20(7)U8			Cable, Insulated	Gray	CA-671		
1-0	MWC20(7)U91			Cable, Insulated	Wh/Brown	CA-671		
2-0	MWC20(7)U92			Cable, Insulated	Wh/Red	CA-671		
1-7	MWC20(7)U93			Cable, Insulated	Wh/Orange	CA-671		
4-6	MWC20(7)U95			Cable, Insulated	Wh/Green	CA-671		
2-3	MWC20(7)U98			Cable, Insulated	Wh/Gray	CA-671		
1-1	PX-104-1- 022			Insulation, Sleeving	Black	A-2352	13	
0-9	PX-104-2- 022			Insulation, Sleeving	Yellow	A-2352	9	
0-8	PX-104-3- 022			Insulation, Sleeving	Red	A-2352	3	
0-10	PX-104-4- 022			Insulation, Sleeving		Wiring	5	
1-10	PX-104-6- 022			Insulation, Sleeving	Green	A-2352	10	
					Blue	A-2352	11	
0-7	PX-104-7- .022			Insulation, Sleeving		Wiring	5	
						AC-122	3	
						NF-106	3	
					Gray	A-2352	4	
						AC-122	3	

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MODEL **CSS-1B**  
SHEET 12 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
				RAW MATERIALS				
11-5	RG-174/U			Cable, R.F., Miniature		A-2352 CA-671	5 132	
X	WL-104-541-DSQS			Wire, Litz, Size 5-41		AC-122 NF-106	X X	
1-0	WI-134-6-12			Cable, AC, Power, 3 Cond., Coiled		CA-555		
6-0	WI140EE20E5			Wire, Elec, Tef		CA671	6-0	
2-6	WI140EE20E94			Wire, Elec, Tef		CA671	2-6	
10-5	WL-100-8			Wire, Electrical, Size 24		A-2352 Wiring AC-122 NF-106	108 8 4 5	

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MATERIAL LIST

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SHEET 13 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SUPPORTING DRAWINGS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
2	A-1513			Can Assembly		AC-122 NP-106	1 1	
1	A-2352-4			Final Assembly, Terminal Board				T603
1	AC-122 (2A-1893)			I.F. Transformer Assembly				
1	CA-671			Cable, Main				
1	CK-710			Schematic Diagram				
1	LD-722 (Sheet 1)			Engraving, Front Panel	MS-2185			
1	LD-722 (Sheet 2)			Lettering, Front Panel, Rear	MS-2185			
1	LD-730			Lettering, Rear Plate	MS-2184			
1	LD-999			Lettering, Frequency Standard Mtg. Plate	MS-2830			
1	LD-1051			Lettering, Main Chassis	MS-2833			
1	NF-106 (2A-1895)			I.F. Transformer Assembly				Z601

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QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION SPECIFICATIONS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
	S-798			Test Procedure				

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MODEL CSS-1B

SHEET 15 OF 15

QUAN. PER UNIT	PART NO.	DWG. REV.	DWG. SIZE	DESCRIPTION LOOSE ITEMS	REF.	LOCATION		SYMBOLS
						USED ON	QUAN.	
1	CA-555-4			Cable, AC, Coiled				W601(P601,602)

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