

SOLID STATE POWER SUPPLY
TITLE

MODEL HVRC-1

MODEL	USED ON SECTION	QTY
GPT-10K		1

LIST SECTIONS

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

SHEET NO.

SEE BELOW

NONE
1-7
8-9
9
NONE
NONE

LAST SYMBOLS

B1501 SS1501
C1501 TB1501
CR1503 XF1501
E1509 XI1502
F1501
DS1502
R1503

COMPILED H. SCHUCKER 2-1-65
CHECKED L. GABEL 6-5-65
APPROVED F. BUDETTI
FNL APPR *L. Gabel 6-5*
ISS DATE 6-5-65

MISSING SYMBOLS

NONE

OBSOLETE

REPL BY

HVRC-2

L. Gabel 10-17-65

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.

MATERIAL LIST / NUMERICAL PARTS LIST		REV.													MODEL: HVRC-1		SHEET 1 OF 9	
			PART NO.			DESCRIPTION ELECTRICAL/MECHANICAL			ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS		REMARKS			
						USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT										
AD103-6			FIL,AIR COND			A2902					1							
BI100-51			LAMP,GLOW			A2898					2		DS1501,1502					
BL125-1			FAN,CENT			A2906					1		B1501					
BS100			SOLDER,TIN ALY			A2899 A2898 A2905 A2902					1		C1501					
CP41B1FF405K			CAP.,FXD,ELEC			A2902					1		C1501					
CU102-3			CLAMP,LOOP-1/4D			CA952					3							
CU139-2B			FRL,HDL			A2898					4							
DD116			RECT,SCOND DEV			A2905					3		CR1501,1502,1503					
EY102-20			GROM,RUB.,1/4D			A2906					4							
FH104-3			FUSEHOLDER,IND			A2898					1		XF1501		DS1503 R1503			
FU102-2			FUSE,CTG,2A			A2898					1		F1501					
FW04HBN			WASH.,FLAT			A2899					2							
FW06HBN			WASH.,FLAT			A2899					6							
FW08HBN			WASH.,FLAT			A2902					4							
FW10HBN			WASH.,FLAT			A2905					17							
FW25HBN			WASH.,FLAT			A1841			1x7		7							
FW101-2			WASH.,NM,N			A2905					6							

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

**MATERIAL LIST /
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SHEET 2 OF 9

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
GA140-12S6	WASH., FLAT	A1841		2x7	14		
HA102-2BN	HDL, BOW	A2898			2		
LD1654/MS4139	PNL, FR	A2898			1		
LD1736/PX881	BD, MTG, INS	A2904			1		
LD1753/PX880	BD, RECT SPT	A2905			1		
LD1754/MS4186	CHAS, MTG, FAN	A2902			1		
LD1755/MS4135	DUCT, AIR,	A2899			1		
LD1780/PX861	BD, MTG, CONT	A2900			1		
LWE04MRN	WASH., LK, EXT	A2902			4		
LWE06MRN	WASH., LK, EXT	A2899		6			
		A2902		6	12		
LWE08MRN	WASH., LK, EXT	A2902			8		
LWE10MRN	WASH., LK, EXT	A2905			18		
LWS10MRN	WASH., LK, SPLIT	A2898			4		
LWS25MRN	WASH., LK, SPLIT	A1841		1x7	7		
MS154-1	PL, MTG, TERM. BD	A2902			2		
MS3135	BRKT, MTG, SW	A2899			1		
MS4135	DUCT, AIR	LD1755			1		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS4137	PL,SD,R	A4136			1		
MS4139	PNL,FR	LD1654			1		
MS4186	CHAS ,MTG ,FAN	LD1754			1		
MS4187	PL,MTG,AIR DUCT	A2899			1		
MS4188-1	BRKT,MTG,FIL,L	A2902			1		
MS4188-2	BRKT,MTG,FIL,R	A2902			1		
MWC18/16/B4	WIRE,ELEC,BRD	CA952			8		
MWC18/16/B5	WIRE,ELEC,BRD	CA952			6		
MWC18/16/B6	WIRE,ELEC,BRD	CA952			14		
MWC18/16/B7	WIRE,ELEC,BRD	CA952			34		
MWC18/16/B8	WIRE,ELEC,BRD	CA952			90		
MWC18/16/B97	WIRE,ELEC,BRD	CA952			13		
NP103-88	PLATE,IDENT-COML	A2898			1		
NS107	INS,FDTHRU	A2901		1	1	E1508	
		A2904		1	2	E1509	
NS127-1	INS BUSH.,RIB	A1841		1x7	7		
NT124	NUT,PLN,SPLINE	MS4139			2		
NT129-632-4	NUT,PLN,SPLINE	MS4135		4			
		MS4186		6			
		MS4187		13	23		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
NT129-832-4	NUT,PLN,SPLINE	MS4186			4		
NT129-1032-4	NUT,PLN,SPLINE	MS4135 MS4186		4 8	12		
NT129-1032-6	NUT,PLN,SPLINE	MS4183			8		
NT137-2520	NUT,PLN,HEX,N	A2905			6		
NT139SF1-20	INSERT,SCR THD	PX880 PX881		8 4	12		
NTH0440BN6	NUT,PLN,HEX	A2899 A2902		2 4	6		
NTH0632BN8	NUT,PLN,HEX	A2899			2		
NTH0832BN10	NUT,PLN,HEX	A2902			4		
NTH1032BN12	NUT,PLN,HEX	A2905			4		
NTH2520BN14	NUT,PLN,HEX	A1841		1x7	7		
PM618	CONT,ELEC BUT.	A1841		1x7	7		
PO168-3	ADPT,SW ACTR	A2899			1		
PX336-4	INS,TERM. BD	A2902			1		

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SHEET 5 OF 9

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PX370-16-7	INS SLVG TEF		CA412-58	7	63		
			CA412-58	9			
			CA412-58	14			
			CA412-59	2			
			CA412-59	7			
			CA412-61	3			
			CA412-61	5			
			CA412-62	4x4			
PX533	INS ,DISK		A1841	1x7	7		
PX555	BD ,MTG ,INS		A2901		1		
PX861	BD ,MTG ,CONT		LD1780		1		
PX862	DUCT ,AIR		A2899		1		
PX880	BD ,RECT SPT		LD1753		1		
PX881	BD ,MTG ,INS		LD1736		1		
RC20GF224K	RES ,FXD ,COMP		A2898		2	R1501,R1502	
SC139	SCR ,EXT REL BODY		A2898		2		
SC143-2520B22	SCR ,MACH-NYLON		A2905		6		
SCBPO440BN10	SCR ,MACH		A2902		4		
SCBPO440BN12	SCR ,MACH		A2899		2		
SCBPO632BN6	SCR ,MACH		A2899	2	8		
			A2902	6			

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SCBP0632BN8	SCR, MACH	A2905		4	8		
		A2899		4			
SCBP0832BN8	SCR, MACH	A2902			4		
SCBP0832BN20	SCR, MACH	A2902			4		
SCBP1032BN7	SCR, MACH	A2905			6		
SCBP1032BN8	SCR, MACH	A2905			4		
SCBP1032BN10	SCR, MACH	A2905		1	5		
		A2898		4			
SCBP1032BN12	SCR, MACH	A2905			3		
SCBP1032BN15	SCR, MACH	A2905			4		
SCBP1032BN16	SCR, MACH	A2905			10		
SCFP0632BN6	SCR, MACH	A2899			9		
SCFP1032BN8	SCR, MACH	A2902		4	8		
		A4136		4			
SFBO256SN3	SCR, TAP, THD CTG	A2898			4		
SW252	SW, AIRFLOW	A2899					
TE120-1	TERM., LUG-SPADE	A2906			4	S1501	
TE120-2	TERM., LUG-SPADE	CA952			4		

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TMC FORM ML-2

MAMARONECK, NEW YORK

1M-7-64 AINS.

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
TE120-4	TERM. ,LUG-SPADE		CA412-58	1x3	3		
TE155-34855	TERM. ,LUG-INS		CA952		1		
TE159-32960	TERM. ,LUG-INS		CA412-61 CA412-62	1x2 2x4	10		
TE159-32961	TERM. ,LUG-INS		CA952 CA412-58 CA412-59 CA412-61	1x3 1x3 2x2 1x2	10		
TM102-4	TERM. BD-BARR		A2902		1	TB1501	
TS106-1	LIGHT, IND-RED		A2898		2	XDS1501,1502	
WA109-55	WASH. ,NM		A1841	2x7	14		
WL100-4	WIRE ,ELEC ,BUSS		CA412-58 CA412-58 CA412-58 CA412-59 CA412-59 CA412-61 CA412-61 CA412-62	8 10 15 3 8 4 6 5x4	74		

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PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A2898	PNL ASSY,FR	A2905			1		
A2899	DUCT ASSY,AIR	A2905			1		
A2900	BD ASSY,CONT	A2905			1		
A2901	BD ASSY,INS	A2902			1		
A2902	CHAS ASSY,FAN	A2905			1		
A2904	BD ASSY,INS	A2905			1		
A2905	HVRC-1 FNL ASSY	HVRC-1			1		
A2906	FAN ASSY	A2902			1		
A4136	PL ASSY,R SD	A2905			1		
AX220-1	INS ,FDTHRU	A2900			7	E1501,1502,1503, 1504,1505,1506,1507	#A1841
CA412-58-8.00	LEAD,ELEC	A2905			1		
CA412-58-10.00	LEAD,ELEC	A2905			1		
CA412-58-15.00	LEAD,ELEC	A2905			1		
CA412-59-3.00	LEAD,ELEC	A2905			1		
CA412-59-8.00	LEAD,ELEC	A2905			1		
CA412-61-4.00	LEAD,ELEC	A2905			1		
CA412-61-6.00	LEAD,ELEC	A2905			1		

PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
CA412-62-5.00	LEAD,ELEC	A2905			4		
CA952	WRG HARN,BRCHD	A2905			1		
CH449	CHART,UNIT BKDN	HVRC-1			1		
CK894	DIAG,SCHEM	HVRC-1			1		
SPECIFICATIONS							
S113	VARN,FUNGUS RE	PX555					
S114	ZN CHROMATE PRM	MS4139					
S115	ENAM,SMOOTH GY	MS4139					
S404	IRIDITE,YEL	MS3135 MS4135 MS4187 MS4186 MS4188-1 MS4188-2 MS4139 MS4183					
S917	TEST PROC	HVRC-1			1		