

REV A 3-25-65
 22 5-17-65
 SH 15 24
 23 5-21-65
 SH 17

SOLID STATE POWER SUPPLY

MODEL HVRB-1

TITLE SOLID STATE POWER SUPPLY

MODEL	USED ON SECTION	QTY
GPT-40K		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

LAST SYMBOLS

B1501/	S1501
C1501	TB1501
CR1503	XF1501
E1509	XI1502
F1501	
I1502	
R1503	

COMPILED H. SCHUCKER 2-1-65
 CHECKED L. GABLE 5-25-65
 APPROVED F. BUDETTI
 FNL APPR *L. Gable*
 ISS DATE 5-26-65

MISSING SYMBOLS

NONE

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. A

MODEL: HVRB-1

SHEET 1 OF 10

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	A2921			2	DS1501,DS1502	
BL125-1	FAN,CENT	A2906			1	B1501	
BS100	SOLDER,TIN ALY	A2899 A2921 A2923					
CP41B1FF405K	CAP.,FXD,ELEC	A2902			1	C1501	
CU102-3	CLAMP.LOOP-1/4D	CA996			3		
CU139-2B	FRL,HDL	A2921			4		
DD117	RECT,SCOND DEV	A2923			3	CR1501,1502,1503	
EY102-20	GROM,RUB.,1/4D	A2906			4		
FH104-3	FUSEHOLDER,IND	A2921			1	XF1501	DS1503 R1503
FU102-2	FUSE,CTG,2A	A2921			1	F1501	
FW04HBN	WASH.,FLAT	A2899			2		
FW06HBN	WASH.,FLAT	A2899			6		
FW08HBN	WASH.,FLAT	A2902			4		
FW10HBN	WASH.,FLAT	A2923			17		
FW25HBN	WASH.,FLAT	AX543		1x7	7		

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MODEL: HVRB-1

SHEET 2 OF 10

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
FW101-2	WASH.,NM,N	A2923		6			
GA140-12S6	GASKET,RD	AX543		2x7	14		
HA102-2BN	HDL,BOW	A2921			2		
LD1710/MS4184	PNL,FR	A2921			1		
LD1736/PX881	BD,MTG,INS	A2904			1		
LD1752/PX882	BD,MTG,CONT	A2922			1		
LD1753/PX880	BD,RECT SPT	A2923			1		
LD1754/MS4186	CHAS,MTG,FAN	A2902			1		
LD1755/MS4135	DUCT,AIR	A2899			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	A2923			18		
LWE25MRN	WASH.,LK,EXT	AX543		1x7	7		
LWS10MRN	WASH.,LK,SPLIT	A2921			4		
MS154-1	PL,MTG,TERM. BD	A2902			2		
MS3135	BRKT,MTG,SW	A2899			1		

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SHEET 3 OF 10

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS4135	DUCT,AIR		LD1755		1		
MS4137	PL,SD,R		A4136		1		
MS4184	PNL,FR		LD1710		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		CA996		7		
MWC18(16)B5	WIRE,ELEC,BRD		CA996		48		
MWC18(16)B6	WIRE,ELEC,BRD		CA996		14		
MWC18(16)B7	WIRE,ELEC,BRD		CA996		21		
MWC18(16)B8	WIRE,ELEC,BRD		CA996		7		
MWC18(16)B97	WIRE,ELEC,BRD		CA996		28		
NP103-88	PLATE,IDENT-COML		A2921		1		
NS107	INS,FDTHRU		A2901	1		E1508	
			A2904	1	2	E1509	
NS128-1	INS,BOWL,RIB.		AX543	1x7	7		
NT124	NUT,PLN,SPLINE		MS4184		2		

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MODEL:

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SHEET 4 OF 10

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
NT129-632-4	NUT,PLN,SPLINE	MS4187		13			
		MS4135		4			
		MS4186		6	23		
NT129-832-4	NUT,PLN,SPLINE	MS4186			4		
NT129-1032-4	NUT,PLN,SPLINE	MS4135		4			
		MS4186		8	12		
NT129-1032-6	NUT,PLN,SPLINE	MS4183			8		
NT137-2520	NUT,PLN,HEX,N	A2923			6		
NT139SF1-20	INSERT,SCR THD	PX880		8			
		PX881		4	12		
NTH0440BN6	NUT,PLN,HEX	A2899		2			
		A2902		4	6		
NTH0632BN8	NUT,PLN,HEX	A2899			2		
NTH0832BN10	NUT,PLN,HEX	A2902			4		
NTH1032BN12	NUT,PLN,HEX	A2923			4		
NTH2520BN14	NUT,PLN,HEX	AX543		1x7	7		
PM1160	CONT,ELEC-BUT.	AX543		1x7	7		
PO168-3	ADPT,SW ACTR	A2899			1		
PX336-4	INS,TERM. BD	A2902			1		

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SHEET 5 OF 10

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	CA412-62		4x4	63		
		CA412-58		7			
		CA412-58		9			
		CA412-58		14			
		CA412-59		2			
		CA412-59		7			
		CA412-61		3			
		CA412-61		5			
PX555	BD,MTG,INS	A2901			1		
PX562-2	INS,BUSH.-TEF	AX543		1x7	7		
PX862	DUCT,AIR	A2899			1		
PX879	INS,DISK	AX543		1x7	7		
PX880	BD,RECT SPT	LD1753			1		
PX881	BD,MTG,INS	LD1736			1		
PX882	BD,MTG,CONT	LD1752			1		
RG20GF224K	RES,FXD,COMP	A2921			2	R1501,R1502	
SC139	SCR,EXT REL BODY	A2921			2		
SC143-2520B22	SCR,MACH-NYLON	A2923			6		
SCBP0440BN10	SCR,MACH	A2902			4		
SCBP0440BN12	SCR,MACH	A2899			2		
SCBP0632BN6	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			
SCBPO632BN8	SCR, MACH	A2923		4			
		A2899		4	8		
SCBP0832BN8	SCR, MACH	A2902			4		
SCBP0832BN20	SCR, MACH	A2902			4		
SCBP1032BN7	SCR, MACH	A2923			6		
SCBP1032BN8	SCR, MACH	A2923			4		
SCBP1032BN10	SCR, MACH	A2923		1			
		A2921		4	5		
SCBP1032BN12	SCR, MACH	A2923			3		
SCBP1032BN16	SCR, MACH	A2923			14		
SCFP0632BN6	SCR, MACH	A2899			9		
SCFP1032BN8	SCR, MACH	A2902		4			
		A4136		4	8		
SFB0256SN3	SCR, TAP, THD CTG.	A2921			4		
SW252	SW, AIRFLOW	A2899			1	S1501	
TE120-1	TERM., LUG-SPADE	A2906			4		

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SHEET 7 OF 10

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
TE120-2	TERM. ,LUG-SPADE	CA996			4		
TE120-4	TERM. ,LUG-SPADE	CA412-58		1			
		CA412-58		1			
		CA412-58		1	3		
TE155-34855	TERM. ,LUG-INS	CA996			1		
TE159-32960	TERM. ,LUG-INS	CA412-62		2x4			
		CA412-61		1			
		CA412-61		1	10		
TE159-32961	TERM. ,LUG-INS	CA412-58		1			
		CA412-58		1			
		CA412-58		1			
		CA412-59		2			
		CA412-59		2			
		CA412-61		1			
		CA412-61		1			
		CA996		1	10		
TM102-4	TERM. BD- BARR	A2902			1	TB1501	
TS106-1	LIGHT ,IND- RED	A2921			2	XDS1501, XDS1502	
WA109-55	WASH. ,NM	AX543		2x7	14		

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SHEET 8 OF 10

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
WL100-4	WIRE ,ELEC ,BUSS	CA412-62		5x4	74		
		CA412-58		8			
		CA412-58		10			
		CA412-58		15			
		CA412-59		3			
		CA412-59		8			
		CA412-61		4			
		CA412-61		6			
	SUPP ASSY/REF DWGS						
A2899	DUCT ASSY,AIR	A2923			1		
A2901	BD ASSY,INS	A2902			1		
A2902	CHAS ASSY,FAN	A2923			1		
A2904	BD ASSY,INS	A2923			1		
A2906	FAN ASSY	A2902			1		
A2921	PNL ASSY,FR	A2923			1		
A2922	BD ASSY,CONT	A2923			1		
A2923	HVRB-1 FNL ASSY	HVRB-1			1		
A4136	PL ASSY,R SD	A2923			1		
AX543	INS ,FDTHRU	A2922			7	E1501, 1502,1503, 1504,1505,1506,1507	
CA412-58-8.00	LEAD,ELEC	A2923			1		

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SHEET 9 OF 10

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			
CA412-58-10.00	LEAD,ELEC	A2923			1		
CA412-58-15.00	LEAD,ELEC	A2923			1		
CA412-59-3.00	LEAD,ELEC	A2923			1		
CA412-59-8.00	LEAD,ELEC	A2923			1		
CA412-61-4.00	LEAD,ELEC	A2923			1		
CA412-61-6.00	LEAD,ELEC	A2923			1		
CA412-62-5.00	LEAD,ELEC	A2923			4		
CA996	WRG HARN,BRCHD	A2923			1		
CH448	CHART,UNIT BKDN	HVRB-1			1		
CK895	DIAG,SCHEM	HVRB-1			1		
SPECIFICATIONS							
S113	VARN,FUNGUS RES.	PX555					
S114	ZN CHROMATE PRM	MS4184					
S115	ENAM,SMOOTH GY	MS4184					

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PART NO.	DESCRIPTION SPECIFICATIONS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
S404	IRIDITE ,YEL	MS3135 MS4135 MS4187 MS4186 MS4188-1 MS4188-2 MS4184 MS4183					
S916	TEST PROC	HVRB-1			1		

