



File Name: Pulsiv PSV-CCAD-250-BM Bill of Materials

Updated: 2nd August 2022

Description	Designator	Quantity	MANUF PN#1	MANUF PN#2	MANUF PN#3
IC MCP1799T-3302H LDO 3.3V 80mA -40/+150	U3	1	MCP1799T-3302H		
RES 0603 TF 1R0 1% 0.25W -55/+155	Rlvd1	1	CRGP0603F1K0		
CAP 0603 X7R 100NF 50V 10% -55/+125	Clvd1	1	CGA3E2X7R1H104K080AA		
CAP 0805 X7R 4U7F 25V 10% -55/+125	Clvd3	1	CC0805KKX7R8BB475		
CAP 1206 X7R 10UF 25V 10% -55/+125	Clvd2	1	TMK316B7106KL-TD		
DIO BRIDGE RECT SINGLE PHASE 1KV 6A SIP	Dbridge	1	GBU6J	GBU6J	
IND CHOKE 10mH@ 10kHz 1.4A 300V -40/+100	Lc	1	RN218-1-4-02-10M		
CAP 1812 X7R 100NF 1KV 10% -55/+125	Chvdc	1	C1812X104KDRACU		
IND FER 68uH 2A 20% -40/+105	Ld	1	7447033		
FUS PTH MINI 3.15A 250V	Fuse	1	0697A3150-01		
VAR TVS 10MM DISC 3.5KV 275VAC	Vac	1	B72210S2271K101		
CAP PTH PP 0.68uF 305VAC 10% -40/+110	Cx	1	B32922C3684K189		
CAP PTH CER XY 1nF 250VAC 20% -20/+125	Cyl, Cyn	2	C901U102MYVDBA7317		
PSV-AD-250 PFC CONTROLLER QFN-24	U1	1	PSV-AD-250-Q24I		
CAP 0402 X7R 100NF 16V 10% -55/+125	Cpsvd1	1	GCM155R71C104KA55D		
CAP 0805 X7R 4U7F 25V 10% -55/+125	Cpsvd2	1	CC0805KKX7R8BB475		
CAP 0402 X7R 10NF 16V 10% -55/+125	Cadcl, Cadcn, Clind, Cnind, Cvcap	5	EMF105B7103KVHF		
WE-PD4 SMT Power Inductor, Type X, 330uH, 1A, 0.560	Lch	1	74458233		
RES 1210 TF 0.22R 1% 500mW -55/+155	Rch	1	RL1210FR-070R22L		
DIO RECTIFIER 600V 1A SOD-123FL	Dch	1	US1JFA		
DIO RECTIFIER 600V 1A SOD-123FL	Dd	1	US1JFA		
DIO RECTIFIER 600V 1A SOD-123FL	Df	1	US1JFA		
RES 0402 TF 10K 1% 0.062W -55/+155	Rhvd2	1	CRCW040210K0FKEDC	CRGCQ0402F10K	
RES 0603 TF 100R 1% 0.1W -55/+150	Rhvd1	1	RMCF0603FT100R	CR0603-FX-1000ELF	
TRN MOSFET N-CH 600V OR18 TO252-3 -40/+150	Qch	1	IPD60R180P7SAUMA1		
RES 0402 TF 10K 1% 0.062W -55/+155	Rpfc	1	CRCW040210K0FKEDC	CRGCQ0402F10K	
IC FAN73611 PWR MAN GATE DRIVER 20V SOP-8	U2	1	FAN73611MX	IR21271SPBF	ON SEMI
CAP 0805 X7R 1U0F 25V 10% -55/+125	Cb	1	C0805C105K3RECAUTO		
DIO ZENER 12V 200mW SOD323FL	Dz1	1	MM3Z12VC		
RES 0402 TF 10K 1% 0.062W -55/+155	Rhvd4	1	CRCW040210K0FKEDC	CRGCQ0402F10K	
RES 0805 TF 750K 1% 0.25W -55/+155	Rhvd5a, Rhvd5b	2	SG73S2ATTD754G		
TRN PNP 500V 150MA SOT23 -55/+150	Qhvd1	1	PBHV9050T,215		
RES 0603 TF 100R 1% 0.1W -55/+150	Rhvd3	1	RMCF0603FT100R	CR0603-FX-1000ELF	
DIO RECTIFIER 600V 1A SOD-123FL	Dhvd1	1	US1JFA		
CAP 0805 X7R 1U0F 25V 10% -55/+125	Chvd1	1	C0805C105K3RECAUTO		
WCAP-AT1H Aluminum Electrolytic Capacitor, Radial THT, D18xH35.5mm, 330uF, 200V	Cch	1	860241081001		
CAP 0402 X7R 2.2NF 50V 10% -55/+125, CAP 0402 C0G 150PF 50V 5% -55/+125	Cocp1, Cocp2	2	0402B222K500CT, C0402C151J5GACTU	GRM155R71H222JA01D, 0402B151K500CT	
DIO GEN PURP 100V 2A SOD323-2 +150	Docp2	1	BAS16WS-E3-08		
DIO GEN PURP 100V 2A SOD323-2 +150	Docp1	1	BAS16WS-E3-08		
RES 0402 TF 1K0 1% 0.062W -55/+155	Rocp1, Rocp2, Rocp3, Rocp4	4	SFR01M2PF1001	WF04P1001FTL	
TRN NPN/PNP GEN PURP X2 45V 0.1A SOT23-6	Qocp	1	BC847BPN,115	BC847BPN,125	
RES 0402 TF 10K 1% 0.062W -55/+155, RES 0402 TF 1M0 1% 0.062W -55/+155	R2, R4, Rlin1, Rlin2, Rnin1, Rnin2, Rvcap2	7	CRCW040210K0FKEDC, CRCW04021M00FKEDC	CRGCQ0402F10K, [NoParam]	
RES 0805 TF 750K 1% 0.25W -55/+155, RES 0805 TF 1.5M 1% 0.25W -55/+155	R1a, R1b, R2a, R2b, Rvcap1	5	SG73S2ATTD754G, RK73H2ATTD1504F		