

PSM-UACTO3P3VDC REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C4	2	0.1uF	GRM188R71C104KA01D	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0603	0603
C2, C3	2	1000pF	06031C102JAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 5%, X7R, 0603	0603
C5	1	10uF	C2012X5R1E106K125AB	TDK	CAP, CERM, 10 μ F, 25 V, +/- 10%, X5R, 0805	0805
C6	1	0.1uF	08053C104KAT2A	AVX	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0805	0805
C7	1	22uF	C2012X5R1C226K125AC	TDK	CAP, CERM, 22 μ F, 16 V, +/- 10%, X5R, 0805	0805
C8	1	6.8uF	UCA2G6R8MPD1TD	Nichicon	CAP, AL, 6.8 μ F, 400 V, +/- 20%, TH	CAPPR5-10x16
C9	1	10uF	EEUED2G100	Panasonic	CAP, AL, 10 μ F, 400 V, +/- 20%, 2.864788 ohm, TH	10x20
C10	1	2200pF	C3216C0G2J222J	TDK	CAP, CERM, 2200 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C11	1	22uF	ECA-1VM220	Panasonic	CAP, AL, 22 μ F, 35 V, +/- 20%, TH	5.0mmx11mm
C12	1	0.1uF	06033D104KAT2A	AVX	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X5R, 0603	0603
C13	1	1500uF	16ZLJ1500M10X20	Rubycon	CAP, AL, 1500 μ F, 16 V, +/- 20%, 0.028 ohm, TH	Cap 10x20mm
C14	1	10uF	C3216X7R1C106M	TDK	CAP, CERM, 10 μ F, 16 V, +/- 20%, X7R, 1206	1206
C15	1	1uF	C3216X7R1C105K/0.85	TDK	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, 1206	1206
C16	1	1000pF	440LD10-R	Yageo America	CAP, CERM, 1000 pF, 400 V, +/- 20%, Y5U, Disc, 9.3x12.5mm	Disc, 9.3x12.5mm
D1, D2, D8	3	Green	HLMP-3519	Avago	LED, Green, TH	T-1 3/4 LED, TH
D3	1	600V	DF06M	Diodes Inc.	Diode, Switching-Bridge, 600 V, 1 A, TH	Diodge Bridge
D4	1	600V	1N4937-E3	Vishay-Semiconductor	Diode, Switching, 600 V, 1 A, TH	DO-41
D5	1	128V	SM6T150A	ST Microelectronics	Diode, TVS, Uni, 128 V, 600 W, SMB	SMB
D6	1		BAS21	Infineon	Silicon Switching Diode, SOT23, Reel, Green	SOT23
D7	1	100V	MBRS1100T3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SMB	SMB
J1	1		0399100102	Molex	Terminal Block, 60A, 10.16mm Pitch, 2-Pos, TH	21.8x30x19 mm
J2	1		39544-3004	Molex	Terminal Block, 4x1, 5.08mm, TH	4x1 Terminal Block
J3	1		PEC02DAAN	Sullins Connector Solutions	Header, 100mil, 2x2, Tin, TH	Header, 2x2, 2.54mm, TH
J4, J5, J6	3		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
JW1, JW2	2		3051/1 BK005	Alpha Wire	HOOK-UP SOLID 22AWG BLACK 100'	Trim to length, 0.3" jumper wire with two stripped ends
L1, L2	2	1mH	768772102	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Metal Composite, 1 mH, 0.5 A, 1.7 ohm, TH	Dia 8x10mm
R1, R2	2	6.8k	CRCW12066K80JNEA	Vishay-Dale	RES, 6.8 k, 5%, 0.25 W, 1206	1206
R3, R4	2	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51, 5%, 0.1 W, 0603	0603
R5, R6	2	120	CRCW0603120RJNEA	Vishay-Dale	RES, 120, 5%, 0.1 W, 0603	0603
R7	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805
R9	1	51	CRCW080551R0JNEA	Vishay-Dale	RES, 51, 5%, 0.125 W, 0805	0805
R10	1	120k	CRCW1206120KJNEA	Vishay-Dale	RES, 120 k, 5%, 0.25 W, 1206	1206
R11	1	1.65k	CRCW12061K65FKEA	Vishay-Dale	RES, 1.65 k, 1%, 0.25 W, 1206	1206
R12	1	33.0	ERJ-8ENF33R0V	Panasonic	RES, 33.0, 1%, 0.25 W, 1206	1206
R13	1	100k	CRCW1206100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.25 W, 1206	1206
R14	1	28.7k	CRCW120628K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.25 W, 1206	1206
R15	1	39.0k	RC1206FR-0739KL	Yageo America	RES, 39.0 k, 1%, 0.25 W, 1206	1206
R18	1	1.0k	CRCW12061K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.25 W, 1206	1206
RF1	1	4.7	FKN1WSJR-52-4R7	Yageo America	RES, 4.7, 5%, 1 W, Fusible, TH	Axial resistor
RV1	1	275V	S10K275E2	EPCOS Inc	Varistor 275V RMS 10MM Radial, TH	10mm Radial
T1	1		7508110325	Würth Elektronik	Flyback Transformer, 90-375V @ 100kHz (PRI), 12V/500mA (SEC), 18V/10mA (AUX)	TH
T2	1	4700 uH	SRF0905-472Y	Bourns	Line Filter	SRF0905

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U1	1		TPS7A4533KTTR	Texas Instruments	Single Output Fast Transient Response LDO, 1.5 A, Fixed 3.3 V Output, 2.1 to 20 V Input, 5-pin DDPK (KTT), -40 to 125 degC, Green (RoHS & no Sb/Br)	KTT0005A
U2	1		ISO7221CD	Texas Instruments	25 Mbps Dual Channels, 1 / 1, Digital Isolator, 3.3 V / 5 V, -40 to +125 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U3, U4, U6	3		TPD1E10B06DPYR	Texas Instruments	ESD in 0402 Package with 10 pF Capacitance and 6 V Breakdown, 1 Channel, -40 to +125 degC, 2-pin X2SON (DPY), Green (RoHS & no Sb/Br)	DPY0002A
U5	1		UCC28910DR	Texas Instruments	High-Voltage Flyback Switcher with Primary-Side Regulation and Constant-Current Control, D0007A	D0007A
R8	0	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805
R16, R17	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206