

PSM-12VDCTO3P3VDC 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
C9	1	0.1uF	12061C104KAT2A	AVX	CAP, CERM, 0.1 μ F, 100 V, +/- 10%, X7R, 1206	1206
C10	1	1uF	12063C105KAT2A	AVX	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 1206	1206
D1, D2, D4	3	Green	HLMP-3519	Avago	LED, Green, TH	T-1 3/4 LED, TH
D3	1	15V	CDSOD323-T15SC	Bourns	Diode, TVS, Bi, 15 V, 400 W, SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark	SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark
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	2		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
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
R11	1	1.0k	CRCW12061K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.25 W, 1206	1206
T1	1	4700 uH	SRF0905-472Y	Bourns	Line Filter	SRF0905
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
R8	0	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805
R9, R10	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206