

BOM - TDK micro-POL - Generation 1 - "Power Strip" Design Board for 5W to 40W DC-DC sub-systems

Bill Of Materials December 2, 2019 9:45:45

Item	Quantity	Reference	Part	Description	Manufacturer	Part Number
1	12	C1,C2,C7,C8,C13,C14,C19, C20,C25,C26,C27,C28	22uF	22uF-0805-16V-X5R-10%	TDK	C2012X5R1C226K125AC
2	18	C3,C9,C15,C21,C29,C30, C43,C102,C103,C104,C105, C106,C107,C108,C109,C115, C125,C126	1uF	1uF-0603-25V-X5R-10%	Samsung	CL10A105K8NNNC
3	18	C4,C5,C10,C11,C16,C17, C22,C23,C31,C32,C33,C34, C139,C140,C143,C144,C145, C146	22uF	22uF-0805-6.3V-X5R-10%	TDK	C2012X5R0J226K125AB
4	8	C38,C110,C39,C40,C111,C112,	22uF	22uF-0805-25V-X5R-10%	TDK	C2012X5R1E226M125AC
5	2	C42,C114		2.2uF/16V (N/S)		
6	4	C44,C45,C116,C117	2.2uF	2.2uF-0402-10V-X7S-10%	TDK	C1005X7S1A225K050BC
7	10	C41,C47,C48,C49,C50,C113,C118, C119,C120,C122	N/S			
8	4	R44,C51,R53,C121	N/S			
9	4	C52,C53,C123,C124	47uF	47uF-0805-6.3V-X5R-20%	TDK	C2012X5R0J476M125AC
10	2	C101,C138	180uF	150uF Electrolytic, E7 size, 16V, 20%	Sanyo	165VPE180M
11	3	C128,C129,C130	0.1uF(N/S)	0.1uF-0402-25V-X7R-10%	TDK	TMK105B7104KVHF
12	1	C131	4.7uF	4.7uF-0603-25V-X5R-10%	Samsung	CL10A475KP8NNNC
13	6	C132,C133,C134,C135,C136, C137	N/S	2.2uF-0402-10V-X7S-10%		
14	6	C141,C142,C147,C148,C149, C150	N/S	22uF-0805-6.3V-X5R-10%	TDK	C2012X5R0J226K125AB
16	1	C151	1uF	1uF-0402-25V-X5R-10%	TDK	C1005X5R1E105K050BE
17	8	D1,D2,D3,D4,D5,D6,D7,D8	LED-GRN-SMT	LED S65NM GREEN DIFF 0603 SMD		SML-LX0603GW-TR
18	12	J1,J2,J3,J4,J5,J6,J7,J8, J9,J19,J20,J21	CON2	Header,1x2,TH,0.025 Sq,0.1inch Space	Harwin	M20-9990246
19	3	J11,J14,J17	CON3	Header,1x3,TH,0.025 Sq,0.1inch Space	Harwin	M20-9990346
20	1	I13	SSQ-110-02-T-D-RA			CONN RCPT 20POS 0.1 TIN PCB R/A
21	1	I18	DC Jack	Power Jack		PI-058AH
22	6	R1,R4,R7,R10,R21,R22	2.7ohm	Res,0402,1/10 W,5%	Panasonic	ERI-2GEJ2R7X
23	4	R3,R24,R39,R51	0	Res,0402,1/16 W,1%	Panasonic	ERI-2GE0R00X
24	9	R6,R18,R38,R54,R55,R74,R75,R76	10K	Res,0402,1/10 W,1%	Panasonic	ERI-2RKF1002X
25	1	R9	20K	Res,0402,1/10 W,1%	Panasonic	ERI-2RKF2002X
26	2	R12,R23,	49.9K	Res,0402,1/10 W,1%	Panasonic	ERI-2RKF4992X
27	2	R27,R45	2.7	Res,0402,1/10 W,5%	Panasonic	ERI-2GEJ2R7X
28	4	R31,R46,R47,R48	4.99k			ERI-2RKF4991X
29	4	R36,R42,R50,R52,	0			ERI-2GE0R00X
30	10	R56,R57,R58,R59,R60,R61,R62,R63,R64,R65	N/S			
31	8	R66,R67,R68,R69,R70,R71,R72,R73	261			ERI-2RKF2610X
32	2	R77,R78	30.9K	Res,0402,1/10 W,1%		
33	2	SW1,SW2	1101M253CQE2	SWITCH SLIDE MINI SPDT R/A BK	C&K	
34	1	SW3	SW_DIP_8POS	SW,DIP,SMT,2 POS	CTS	219-8MST
35	18	T1,T2,T3,T4,T5,T6,T7,T8, T9,T10,T11,T12,T13,T14, T15,T16,T17,T18	TERM BLOCK 1 PIN-Keystone	Term. Block,1 Pos,15A,300V	Keystone	7693
37	6	U1,U2,U3,U4,U5,U6	FS1406, FS1404, FS1403			
38	1	U9	ZSR330GTA	LDO		ZSR330GTA
39	1	U11	SLG46722			SLG46722
40	41		335-1156-ND	mach screw head phillips m3	APM Hexseal	rm3x6mm 2701
41				HEX STANDOFF M3 ALUMINUM 12MM	Keystone	24434

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