

Assembly Bill of Materials

Texas Instruments

Project Name:	TIDA_00628
Project File:	TIDA_00628.PrjPcb
Schematic Rev:	E1
Assembly Variant:	001

Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity
1	C10	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Y	AVX	06035C104KAT2A	1
2	C11	CAP, AL, 22 µF, 35 V, +/- 20%, 0.76 ohm, SMD	Y	Nichicon	UUD1V220MCL1GS	1
3	C17	CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603	Y	AVX	06033C101KAT2A	1
4	C3	CAP ALUM 33UF 20% 450V RADIAL	Y	Rubycon	450BXW33MEFC12.5X25	1
5	C4, C5	CAP ALUM 150UF 20% 25V RADIAL	Y	United Chemi-Con	EKYB250ELL151MF11D	2
6	C6	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1
7	D1, D2	Diode, P-N, 1000V, 1A, TH	Y	Fairchild Semiconductor	1N4007	2
8	D3	Diode, Schottky, 150V, 1A, SMA	Y	ST Microelectronics	STPS1150A	1
9	D5	DIODE SWITCH 200V 200MA SOD323	Y	Vishay	BAS20-V	1
10	H1, H2, H3, H4	Standoff, Hex, 1"L #6-32 Nylon, M-F	Y	Keystone	4820	4
11	H5, H6, H7, H8	Standoff, Hex, 1"L #6-32 Nylon	Y	Keystone	1903E	4
12	J1	AC Receptacle, 2.5A, R/A, TH	Y	Qualtek Electronics Corporation	770W-X2/10	1
13	J2	Terminal Block, 2x1, 5.08mm, TH	Y	FCI	20020110-H021A01LF	1
14	J3	TERM BLOCK PLUG 2POS 5.08MM	Y	FCI	20020006-H021B01LF	1
15	J4	Jumper Wire, 500mil spacing, Green	Y	3M	923345-05-C	0
16	L2	Inductor, Wirewound, Ferrite, 1000uH, 0.42A, 2.5 ohm, TH	Y	Würth Elektronik	744743102	1
17	PCB	Printed Circuit Board		Any	TIDA_00628	1
18	Q1	MOSFET N-CH 800V 1.5A TO-220F	Y	Fairchild Semiconductor	FQPF2N80	1
19	Q2	Transistor, NPN, xxV, 4A, TO-220F	Y	NXP Semiconductors	BUJ302AX	1
20	R1	Thermistor NTC, 10 ohm, 20%, Disc_11.5mmx6mm	Y	EPCOS Inc	B57236S0100M000	1
21	R10	RES, 3.09 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW06033K09FKEA	1
22	R11, R12	RES, 2.70, 1%, 0.25 W, 1206	Y	Yageo America	RC1206FR-072R7L	2
23	R2	RES, 100 k, 5%, 0.75 W, 2010	Y	Vishay-Dale	CRCW2010100KJNEF	1
24	R3	RES, 6.8 k, 5%, 0.75 W, 2010	Y	Vishay-Dale	CRCW20106K80JNEF	1
25	R4, R5	RES, 270 k, 5%, 0.25 W, 1206	Y	Vishay-Dale	CRCW1206270KJNEA	2
26	R6	RES, 0, 5%, 0.25 W, 1206	Y	Vishay-Dale	CRCW12060000Z0EA	0
27	R8	RES, 115 k, 1%, 0.125 W, 0805	Y	Vishay-Dale	CRCW0805115KFKEA	1
28	R9	RES, 40.2 k, 1%, 0.1 W, 0603	Y	Yageo America	RC0603FR-0740K2L	1
29	T1	1 Input 4 Output XFMR	Y	Würth Elektronik	750315761	1
30	U1	Constant-Voltage, Constant-Current Controller With PSR	Y	Texas Instruments	UCC28722DBV	1
31	V2	TVS DIODE 342VWM 706VC DO15	Y	STMicroelectronics	P6KE400CARL	1
32	Vbulk, Vdd	Test Point, Miniature, Yellow, TH	Y	Keystone	5004	2
33	15.5V, Line	Test Point, TH, Miniature, Red	Y	Keystone	5000	2
34	GND, Neutral	Test Point, TH, Miniature, Black	Y	Keystone	5001	2

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