

Bill of Materials

TI DESIGNS TIDA-00473 REV B
Universal Input, 10-W, High Efficiency Low Cost Power Supply with Isolated Multiple Outputs

Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number	Note
1	PCB1	Printed Circuit Board	Any	TIDA-00473	Fitted
2	C1, C2	CAP, AL, 10 μ F, 400 V, +/- 20%, ohm, TH	Nichicon	UCY2G100MPD1TD	Not-Fitted
2	C12, C16	CAP, AL, 1000 μ F, 25 V, +/- 20%, ohm, TH	Nichicon	UPM1E102MHD6	Fitted
1	C3	CAP, AL, 10 μ F, 35 V, +/- 20%, TH	Nichicon	UVR1V100MDD1TA	Fitted
2	C8, C15	CAP, AL, 47 μ F, 35 V, +/- 20%, TH	Nichicon	UVZ1V470MDD	Fitted
1	C9	CAP, AL, 470 μ F, 10 V, +/- 20%, TH	Nichicon	UPW1A471MPD	Fitted
1	C4	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X5R, 0603	AVX	06033D104KAT2A	Fitted
1	C5	CAP, CERM, 470 pF, 630 V, +/- 5%, C0G/NP0, 1206	TDK	C3216C0G2J471J	Fitted
3	C6, C7, C13	CAP, CERM, 0.1 μ F, 50 V, +/- 5%, X7R, 0805	AVX	08055C104JAT2A	Fitted
1	C10	CAP, CERM, 1000 pF, 250 V, +/- 20%, E, Radial Disc D10.5x7mm	TDK	CS11-E2GA102MYNS	Fitted
1	C11	CAP, CERM, 1000 pF, 500 V, +/- 10%, X7R, 1206_190	Kemet	C1206C102KCRCTU	Fitted
1	D1	Diode, Switching-Bridge, 600 V, 1 A, TH	Diodes Inc.	DF06M	Not-Fitted
1	D2	Diode, TVS, Uni, 170 V, 600 W, SMB	STMicroelectronics	SMBJ170A-TR	Not-Fitted
1	D3	Diode, Switching, 200 V, 0.2 A, SOD-123	Diodes Inc.	BAV21W-7-F	Fitted
1	D4	Diode, Fast Rectifier, 800 V, 1 A, SMA	Diodes Inc.	US1K-13-F	Fitted
1	D5	Diode, Schottky, 1A, 200V	Diodes	DFLS1200	Fitted
1	D6	Diode, Superfast Rectifier, 100 V, 1 A, SMA	Diodes Inc.	ES1B-13-F	Fitted
1	D7	Diode, Schottky, 100 V, 5 A, PowerDI5	Diodes Inc.	PDS5100-13	Fitted
1	D8	LED, Blue, SMD	Würth Elektronik	150060BS75000	Fitted
4	H1, H4, H7, H10	Bumpon, Hemisphere, 0.44 X 0.20, Clear	3M	SJ-5303 (CLEAR)	Fitted
4	H3, H6, H9, H12	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	Fitted
1	J1	Conn Term Block, 2POS, 5.08mm, TH	Phoenix Contact	1715721	Not-Fitted
1	J2	Header (Shrouded), 5.08 mm, 2x1, Tin, R/A, TH	Phoenix Contact	1757242	Fitted
1	J6	43650-0213	Molex	43650-0213	
1	J3	Header, 2.54 mm, 3x1, Gold, TH	Würth Elektronik	61300311121	Fitted
2	L1, L2	Inductor, Shielded Drum Core, Metal Composite, 1 mH, 0.5 A, 1.7 ohm, TH	Würth Elektronik	768772102	Not-Fitted
1	Q1	BCX 55-16 E6327	Infineon Technologies	BCX 55-16 E6327	Fitted
1	R15	RES, 470, 1%, 0.1 W, 0603	Vishay-Dale	CRCW1206470RJNEA	Fitted
1	T1	750342999	Würth Elektronik	750342999	Fitted
1	ZD1	BZV55C15	Microsemi	BZV55C15	Fitted
2	R1, R2,	RES, 6.8 k, 5%, 0.25 W, 1206	Vishay-Dale	CRCW12066K80JNEA	Not-Fitted
2	R13, R16	RES, 6.8 k, 5%, 0.25 W, 1206	Vishay-Dale	CRCW12066K80JNEA	Fitted
1	R14	RES, 0, 5%, 0.25 W, 1206	Vishay-Dale	CRCW12060000JNEA	Not-Fitted
1	R17	RES, 1 k, 5%, 0.25 W, 1206	Vishay-Dale	CRCW12061K00JNEA	Fitted
1	R6	RES, 1.02 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06031K02FKEA	Fitted
1	R3	RES, 12, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060312FKEA	Fitted
1	R4	RES, 27 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060327K00FKEA	Fitted
1	R7	RES, 510 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603510K00FKEA	Fitted
1	R10	RES, 1.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06031K60FKEA	Fitted
1	R11	RES, 3.6 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06033K60FKEA	Fitted
2	R5, R9	RES, 732, 5%, 0.25 W, 1206	Vishay-Dale	CRCW1206732RJNEA	Fitted
1	R8	RES, 100 k, 1%, 0.25 W, 1206	Vishay-Dale	CRCW1206100KFKEA	Fitted
1	R12	RES, 10, 5%, 0.25 W, 1206	Vishay-Dale	CRCW120610R0JNEA	Fitted
9	TP1, TP2, TP3, TP4, TP6, TP7, TP8, TP11, TP12	Test Point, Miniature, Red, TH	Keystone	5000	Fitted
3	TP5, TP9, TP10	Test Point, Miniature, Black, TH	Keystone	5001	Fitted

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