TIDA-01560 Zero Standby Power

Designator	Description	Manufacturer	PartNumber	Quantity	
PCB	Printed Circuit Board	Any	TIDA-01560	1	Fitted
C1	CAP, CERM, 470 pF, 630 V, +/- 5%, U2J, 1206	MuRata	GRM31A7U2J471JW31D	1	Fitted
C2, C3	CAP, AL, 10 µF, 400 V, +/- 20%, TH	Rubycon	400AX10M10X12.5	2	Fitted
C4	CAP, CERM, 1 µF, 25 V,+/- 10%, X7R, 0603	AVX	06033C105KAT2A	1	Fitted
C5	CAP, AL, 330 µF, 16 V, +/- 20%, 0.007 ohm, TH	Nichicon	RR71C331MDN1	1	Fitted
C6	CAP, CERM, 2200 pF, X1 250 VAC/Y1 300 VAC, +/- 20%, E, 10.0x8.0x14.0mm	MuRata	DE1E3KX222MN5AA01	1	Fitted
C7, C10	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, 0603	Kemet	C0603C104K3RACTU	2	Fitted
C8	CAP, CERM, 100 pF, 100 V,+/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0805	MuRata	GCM2165C2A101JA16D	1	Fitted
C9, C12	CAP, CERM, 1 µF, 25 V,+/- 10%, X7R, 0603	TDK	C1608X7R1E105K080AB	2	Fitted
C11	CAP, AL, 220 µF, 6.3 V, +/- 20%, 0.44 ohm, SMD	Nichicon	UUD0J221MCL1GS	1	Fitted
C13	CAP, CERM, 4.7 µF, 50 V,+/- 10%, X7R, 1206	TDK	C3216X7R1H475K160AC	1	Fitted
D1	Diode, Switching-Bridge, 600 V, 1 A, MICRODIP_4	Fairchild Semiconductor	MDB6S	1	Fitted
D2	Diode, TVS, Uni, 130 V, 209 Vc, SMB	Diodes Inc.	SMBJ130A-13-F	1	Fitted
D3, D6	Diode, Schottky, 100 V, 5 A, PowerDI5	Diodes Inc.	PDS5100-13	2	Fitted
D4	Diode, Standard Recovery Rectifier, 1000 V, 1 A, AEC-Q101, SMA	ON Semiconductor	MRA4007T3G	1	Fitted
D5	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	ON	BAS20HT1G	1	Fitted
F1	Fuse, 3.15 A, 250VAC/VDC, TH	Littelfuse	39213150000	1	Fitted
J1, J2, J3	Terminal Block, 2x1, 5.08mm, TH	TE Connectivity	282841-2	3	Fitted
L1	Inductor, Unshielded Drum Core, Ferrite, 470 µH, 0.35 A, 1.58 ohm, TH	Wurth Elektronik	7447462471	1	Fitted
L2	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	Wurth Elektronik	744821201	1	Fitted
Q1	MOSFET, N-CH, 650 V, 4 A, TO-252	Semipower	SW4N65K	1	Fitted
R1	RES, 240 k, 5%, 0.125 W, 0805	Vishay-Dale	CRCW0805240KJNEA	1	Fitted
R2, R5	RES, 0, 5%, 0.25 W, 1206	Vishay-Dale	CRCW12060000Z0EA	2	Fitted
R3	RES, 0, 5%, 0.125 W, 0805	Vishay-Dale	CRCW08050000Z0EA	1	Fitted
R4	RES, 10, 5%, 0.125 W, 0805	Vishay-Dale	CRCW080510R0JNEA	1	Fitted
R6	RES, 10, 5%, 0.25 W, 1206	Vishay-Dale	CRCW120610R0JNEA	1	Fitted
R9	RES, 2.00, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06032R00FKEA	1	Fitted
R10	RES, 62 k, 5%, 0.125 W, 0805	Vishay-Dale	CRCW080562K0JNEA	1	Fitted
R11	RES, 1.0 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06031K00JNEA	1	Fitted
R12	RES, 33 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW060333K0JNEA	1	Fitted
R13	RES, 510 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW0603510KJNEA	1	Fitted
R14	RES, 1.0, 5%, 0.125 W, 0805	Vishay-Dale	CRCW08051R00JNEA	1	Fitted
R15	RES, 5.1, 5%, 0.125 W, 0805	Vishay-Dale	CRCW08055R10JNEA	1	Fitted
RT1	Thermistor NTC, 4.70 ohm, 20%, 8.5mm Disc	TDK	B57153S0479M051	1	Fitted
T1	750343769,Rev02	Wurth Elektronik	750343769	1	Fitted

Designator	Description	Manufacturer	PartNumber	Quantity	
U1	200-V Wake-Up Monitor for Fast Transient PSR, DBV0005A	Texas Instruments	UCC24650DBVR	1	Fitted
U2	Constant-Voltage Constant-Current Flyback Controller With PSR and Wake-Up Monitoring, D0007A	Texas Instruments	UCC28730DR	1	Fitted
U3	Low-Dropout Regulator, DBV0005A (SOT-23-5)	Texas Instruments	TLV74333PDBVR	1	Fitted

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