

Variant: 001
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 TID #: TIDA-01376



TIDA-01376 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-01376	Any	Printed Circuit Board	
2	C1, C4	2	2.2uF	UMK316B7225KL-T	Taiyo Yuden	CAP, CERM, 2.2 μ F, 50 V, +/- 10%, X7R, 1206	1206
3	C3, C5, C9, C13	4	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01 μ F, 100 V, +/- 5%, X7R, 0603	0603
4	C6, C8	2	0.01uF	GCM155R71H103KA55D	MuRata	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, COG/NP0, 0402	0402
5	C10	1	0.15uF	C0805C154K5RACTU	Kemet	CAP, CERM, 0.15 μ F, 50 V, +/- 10%, X7R, 0805	0805
6	D1	1	40V	SSA24	Fairchild Semiconductor	Diode, Schottky, 40 V, 2 A, AEC-Q101, SMA	SMA
7	D2, D3, D4, D5, D6, D7, D9, D10, D11	9	Amber	LA H9GP-JYKY-24-1-Z	OSRAM	LED, Amber, SMD	3.85x3.85mm
8	D8	1	16V	BZT52B16-HE3-08	Vishay-Semiconductor	Diode, Zener, 16 V, 410 mW, AEC-Q101, SOD-123	SOD-123
9	J1	1		IPL1-102-01-F-S-RA-K	Samtec	Header(Shrouded), 2.54mm, 2x1, Gold, R/A, TH	Header(Shrouded), 2.54mm, 2x1, R/A, TH
10	Q1, Q2, Q3	3	80V	BUK763R8-80E,118	NXP Semiconductor	MOSFET, N-CH, 80 V, 120 A, AEC-Q101, DDPAK	DDPAK
11	R1, R2, R4	3	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.25 W, 1206	1206
12	R3	1	8.06k	RT0603BRD078K06L	Yageo America	RES, 8.06 k, 0.1%, 0.1 W, 0603	0603
13	R5, R13, R14, R15	4	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
14	R6	1	124k	CRCW0603124KFKEA	Vishay-Dale	RES, 124 k, 1%, 0.1 W, 0603	0603
15	R7	1	182k	CRCW0603182KFKEA	Vishay-Dale	RES, 182 k, 1%, 0.1 W, 0603	0603
16	R8	1	75.0k	CRCW060375K0FKEA	Vishay-Dale	RES, 75.0 k, 1%, 0.1 W, 0603	0603
17	R9	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
18	R10	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
19	RT1	1	47.0k ohm	NCP15WB473F0SRC	MuRata	Thermistor NTC, 47.0k ohm, 1%, 0402	0402
20	U1	1		TPS92830QPWRQ1	Texas Instruments	3-CH High Current Linear LED Controller with Diagnostics and One-Fail-Ail-Fail Fault Bus, PW0028A	PW0028A
21	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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