

Variant: 001  
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 TID #: TIDA-01375



TIDA-01375 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-01375	Any	Printed Circuit Board	
2	C1, C5	2	2.2uF	UMK316B7225KL-T	Taiyo Yuden	CAP, CERM, 2.2 $\mu$ F, 50 V, +/- 10%, X7R, 1206	1206
3	C2, C3, C8, C9, C13, C14	6	4700pF	GRM188R71E472KA01D	MuRata	CAP, CERM, 4700 pF, 25 V, +/- 10%, X7R, 0603	0603
4	C4, C6, C11, C16	4	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01 $\mu$ F, 100 V, +/- 5%, X7R, 0603	0603
5	C7, C10	2	0.01uF	GCM155R71H103KA55D	MuRata	CAP, CERM, 0.01 $\mu$ F, 50 V, +/- 10%, COG/NP0, 0402	0402
6	C12	1	0.15uF	C0805C154K5RACTU	Kemet	CAP, CERM, 0.15 $\mu$ F, 50 V, +/- 10%, X7R, 0805	0805
7	C15	1	0.068uF	GRM188R71C683KA01D	MuRata	CAP, CERM, 0.068 $\mu$ F, 16 V, +/- 10%, X7R, 0603	0603
8	D1	1	60V	RB095B-60TL	Rohm	Diode, Schottky, 60 V, 3 A, DPAK	DPAK
9	D2	1	100V	BAS16J, 135	NXP Semiconductor	Diode, Switching, 100 V, 0.25 A, SOD-323F	SOD-323F
10	D3	1	16V	BZT52B16-HE3-08	Vishay-Semiconductor	Diode, Zener, 16 V, 410 mW, AEC-Q101, SOD-123	SOD-123
11	J1	1		IPL1-103-01-F-S-RA-K	Samtec	Header(Shrouded), 2.54mm, 3x1, Gold, R/A, TH	Header(Shrouded), 2.54mm, 3x1, R/A, TH
12	J2	1		IPL1-105-01-L-S-RA-K	Samtec	Header(Shrouded), 2.54mm, 5x1, Gold, R/A, TH	Header(Shrouded), 2.54mm, 5x1, R/A, TH
13	Q1, Q2, Q3, Q4, Q5, Q6	6	60V	NTD3055-150T4G	ON Semiconductor	MOSFET, N-CH, 60 V, 9 A, AEC-Q101, DPAK	DPAK
14	R1, R2, R3, R4, R6, R7, R9, R15, R16	9	1.00	CSR1206FK1R00	Stackpole Electronics Inc	RES, 1.00, 1%, 0.5 W, 1206	1206
15	R5, R18, R19, R20	4	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
16	R8	1	8.06k	RT0603BRD078K06L	Yageo America	RES, 8.06 k, 0.1%, 0.1 W, 0603	0603
17	R10	1	124k	CRCW0603124KFKEA	Vishay-Dale	RES, 124 k, 1%, 0.1 W, 0603	0603
18	R11	1	182k	CRCW0603182KFKEA	Vishay-Dale	RES, 182 k, 1%, 0.1 W, 0603	0603
19	R12	1	75.0k	CRCW060375K0FKEA	Vishay-Dale	RES, 75.0 k, 1%, 0.1 W, 0603	0603
20	R13	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
21	R14	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
22	R17	1	55.6k	RT0603DRE0755K6L	Yageo America	RES, 55.6 k, 0.5%, 0.1 W, 0603	0603
23	U1	1		TPS92830QPWRQ1	Texas Instruments	3-CH High Current Linear LED Controller with Diagnostics and One-Fail-All-Fail Fault Bus, PW0028A	PW0028A
24	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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