

Filename: ProADFE.tmp
 Variant: 001
 Generated: 10/25/2017 1:33:59 PM
 TID #: N/A



TIDA-01500 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB	1		TIDA-01500	Any	Printed Circuit Board	
2	C100, C103, C400	3	1uF	CGA4J3X7R1H105K125AB	TDK	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
3	C101, C104	2	0.047uF	GCM21BR72A473KA37L	MuRata	CAP, CERM, 0.047 µF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
4	C102, C200	2	0.1uF	GCM21BR71H104KA37K	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
5	C300	1	0.1uF	CGJ3E2X7R1C104K080AA	TDK	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
6	D100	1	60V	B360AM-13-F	Diodes Inc.	Diode, Schottky, 60 V, 3 A, AEC-Q101, SMA	SMA
7	D101	1	26V	TPSMD26A	Littelfuse	Diode, TVS, Uni, 26 V, 42.1 Vc, AEC-Q101, SMC	SMC
8	D200, D202, D204, D206, D208, D210, D212, D214, D216, D217	10	Red	VLMR334BACB-GS08	Vishay-Semiconductor	LED, Red, SMD	3x2.8mm
9	D201, D203, D205, D207, D209, D211	6	White	LW-E6SG	OSRAM	LED, White, SMD	Power TOPLED
10	D213	1	Yellow	LY-E6SF	OSRAM	LED, Yellow, SMD	Power TOPLED
11	D215	1	Blue	LB T673-L2P1-25-Z	OSRAM	LED, Blue, SMD	3.2x2.8mm
12	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Phillips panhead	Screw
13	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
14	J100	1		1727010	Phoenix Contact	Conn Term Block, 2POS, 3.81mm, TH	2POS Terminal Block
15	J400, J401	2		SSHQ-110-S-08-G-LF	Major League Electronics	Receptacle, 2.54mm, 10x1, TH	Receptacle, 2.54mm, 10x1, TH
16	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
17	R200, R201	2	4.70k	ERJ-P06F4701V	Panasonic	RES, 4.70 k, 1%, 0.5 W, AEC-Q200 Grade 0, 0805	0805
18	R202	1	665	ERA-6AEB6650V	Panasonic	RES, 665, 0.1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
19	R300	1	10.0k	TNPW060310K0BEEA	Vishay-Dale	RES, 10.0 k, 0.1%, 0.1 W, AEC-Q200 Grade 1, 0603	0603
20	U100	1		TPS70933QDBVRQ1	Texas Instruments	150-mA, 30-V, 1-uA IQ Voltage Regulator with Enable, DBV0005A (SOT-23-5)	DBV0005A
21	U200	1		TLC59116IPWRG4	Texas Instruments	16-Bit Fast-Mode Plus (FM+) I2C Bus Constant-Current LED Sink Driver, 3 to 5.5 V, -40 to 85 degC, 28-pin SOP (PW28), Green (RoHS & no Sb/Br)	PW0028A
22	U300	1		OPT3001DNPR	Texas Instruments	Digital Ambient Light Sensor (ALS) with High Precision Human Eye Response, DNP0006A (USON-6)	DNP0006A
23	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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