

Filename: Pro4E5A.tmp
 Variant: 001
 Generated: 4/4/2018 10:34:01 AM
 TID #: TIDA-01615



TIDA-01615 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		XX####	Any	Printed Circuit Board	
2	C1, C2, C3	3	10uF	0805YD106MAT2A	AVX	CAP, CERM, 10 µF, 16 V, +/- 20%, X5R, 0805	0805
3	C4	1	0.1uF	0603ZC104KAT2A	AVX	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X7R, 0603	0603
4	C5	1	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1206	1206
5	D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94,	160	Rgb	ASMT-YTC2-0AA02	Avago	LED, Rgb, SMD	LED, 3x2x3.6 mm
6	J1	1		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
7	J2	1		10118192-0001LF	FCI	Receptacle, 0.65 mm, 5x1, Gold, R/A, SMT	SMD, 5-Leads, Body 7.9x5.57mm, Pitch 0.65mm
8	J3, J4	2		HLE-110-02-L-DV-A	Samtec	Receptacle, 100mil, 10x2, Gold, TH	10x2 Receptacle
9	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
10	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10	10	100	RT0603DRE07100RL	Yageo America	RES, 100, 0.5%, 0.1 W, 0603	0603
11	R11	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, 0603	0603
12	TP1, TP2, TP3, TP4	4	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
13	U1	1		TLC5957RTQR	Texas Instruments	48-channel, 16bit ES-PWM LED driver w/ Pre-charge FET, LED OPEN Detection and Caterpillar Cancelling, RTQ0056G (VQFN-56)	RTQ0056G
14	U2, U3, U4, U5, U6	5		Used in BOM report	Used in BOM report		eg: 0603, used in PnP report
15	U7, U8, U9, U10, U11, U12, U13, U14, U15, U16	10		SN74LV1T04DBVR	Texas Instruments	Single Power Supply INVERTER Gate logic level shifter, DBV0005A, LARGE T&R	DBV0005A
16	ZenerD	1	3V	BZV55C15-TP	Micro Commercial Components	Diode, Zener, 3 V, 500 mW, MiniMELF	MiniMELF

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