

Filename: Pro4B76.tmp
 Variant: 001
 Generated: 2/16/2017 4:05:10 PM
 TID #: 01362



TIDA-01362 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		TIDA-01362	Any	Printed Circuit Board	
2	C1	1	1000pF	GRM188R71C102KA01D	MuRata	CAP, CERM, 1000 pF, 16 V, +/- 10%, X7R, 0603	0603
3	C2	1	0.1uF	C0603C104K8RACTU	Kemet	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0603	0603
4	C3	1	.01uF		Murata	Capacitor	
5	C4	1	0.47uF	GCM188R71C474KA55D	MuRata	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
6	C5, C7, C8	3	0.1uF	C2012X5R2A104K125AA	TDK	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X5R, 0805	0805
7	C6	1	10uF	EEE-FK1K100XP	Panasonic	CAP, AL, 10 uF, 80 V, +/- 20%, 2.4 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D8
8	DRV8313	1		DRV8313RHHR	Texas Instruments	2.5-A Triple 1/2-H Bridge Driver, RHH0036C	RHH0036C
9	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
10	GND	1		D3082-05	Harwin	1mm Uninsulated Shorting Plug, 10.16mm spacing, TH	Shorting Plug, 10.16mm spacing, TH
11	J1	1		851-43-004-20-001000	Mill-Max	SOCKET .050" GRID SIP 4 POS R/A, TH	R/A 4x1 receptacle
12	J3	1		PEC06SAAN	Sullins Connector Solutions	Header, 100mil, 6x1, Tin, TH	TH, 6-Leads, Body 608x100mil, Pitch 100mil
13	MSP430G2553	1		MSP430G2553IPW20R	Texas Instruments	16 MHz Mixed Signal Microcontroller with 16 KB Flash, 512 B SRAM and 24 GPIOs, -40 to 85 degC, 20-pin SOP (PW), Green (RoHS & no Sb/Br)	PW0020A
14	nFAULT	1	Red	LTST-C170KRKT	Lite-On	LED, Red, SMD	Red 0805 LED
15	OUT1, OUT2, OUT3	3		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
16	R1	1	50k	3352T-1-503LF	Bourns	Trimming Potentiometer, 50K, 0.5W, TH	9.53x8.89mm
17	R2, R3	2	330	CRCW0603330RJNEA	Vishay-Dale	RES, 330, 5%, 0.1 W, 0603	0603
18	R4	1	47k	CRCW060347K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.1 W, 0603	0603
19	R5, R6, R8, R10, R11	5	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
20	R7, R9, R12	3	0	ERJ-6GEY0R00V	Panasonic	RES, 0, 5%, 0.125 W, 0805	0805
21	R13	1	10k	CRCW080510K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.125 W, 0805	0805
22	STATUS	1	Green	LTST-C170KGKT	Lite-On	LED, Green, SMD	LED_0805
23	TP1	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
24	TP2	1		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
25	VM	1		PBC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Gold, TH	Sullins 100mil, 1x2, 230 mil above insulator
26	VOUT	1		PBC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Gold, TH	PBC03SAAN

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