

Variant: 001
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 TID #: TIDA-060042



TIDA-060042 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		TIDA-060042	Any	Printed Circuit Board	
2	1, 1V21, 2, 3, 4, 5, 5V, 6, 7, 8	10		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
3	5V_in	1		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
4	ADCin1, ADCin1_woBuff, ADCin2, ADCin2_woBuff	4		SSQ-103-01-T-S	Samtec	3 Position Receptacle Connector 0.100" (2.54mm) Through Hole Tin	HDR3
5	byPassRTD1, byPassRTD2, byPassRTD3, byPassRTD4, byPassRTD5, byPassRTD6, byPassRTD7, byPassRTD8, byPassRTD9, byPassRTD10, J1, J7, J11, J16, J17, Vref, Vref_buff	17		SL 11 112 02G	Fischer Elektronik	Header, 2.54mm, 2x1, Gold, TH	TH, 2-Leads, Body 2.5x5.08mm, Pitch 2.54mm
6	C1	1	0.1uF	C3216NP01H104J160AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 5%, COG/NPO, 1206_190	1206_190
7	C2	1	10uF	TMK316AB7106KLHT	Taiyo Yuden	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
8	C3	1	22uF	GRM21BZ71A226ME15L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X7R, 0805	0805
9	C4, C6	2	0.1uF	08053C104JAT2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0805	0805
10	C5	1	47uF	EMVY160ADA470MF55G	Chemi-Con	CAP, AL, 47 uF, 16 V, +/- 20%, 1 ohm, SMD	F55
11	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
12	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
13	J2, J3, J4, J5, J6, J8, J9, J10, J12, J13, J14, J15, Rref, Rset	14		SSQ-102-03-G-S	Samtec	Receptacle, 2.54mm, 2x1, Gold, TH	Receptacle, 2.54mm, 2x1, TH
14	J18, J19, J24	3		D3082-05	Harwin	1mm Uninsulated Shorting Plug, 10.16mm spacing, TH	Shorting Plug, 10.16mm spacing, TH
15	R1, R5, R6, R7, R8	5	0	RC0805JR-070RL	Yageo America	RES, 0, 5%, 0.125 W, 0805	0805
16	R3	1	20.0k	RT0805BRD0720KL	Yageo America	RES, 20.0 k, 0.1%, 0.125 W, 0805	0805
17	R4	1	32.0k	RT0805BRD0732KL	Yageo America	RES, 32.0 k, 0.1%, 0.125 W, 0805	0805
18	U1	1		TPS7A4533DCQT	Texas Instruments	Single Output Fast Transient Response LDO, 1.5 A, Fixed 3.3 V Output, 2.1 to 20 V Input, 6-pin SOT-223 (DCQ), -40 to 125 degC, Green (RoHS & no Sb/Br)	DCQ0006A
19	U2, U3	2			Texas Instruments	Precision, CMOS Input, RRIO, Wide Supply Range Amplifiers, 14-pin Narrow SOIC, Pb-Free	
20	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
21	R2	0	0	RC0805JR-070RL	Yageo America	RES, 0, 5%, 0.125 W, 0805	0805

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