

Variant: None
 Generated: 4/25/2016 1:20:19 PM
 TID #: TIDA-00753



TIDA-00753 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C3, C4, C6, C7, C10, C11, C12, C14, C17, C20	11	1uF	C1608X5R1C105K	TDK	CAP, CERM, 1 µF, 16 V, +/- 10%, X5R, 0603	0603
2	C2, C8, C9	3	10uF	GRM188R60J106ME47D	MuRata	CAP, CERM, 10 µF, 6.3 V, +/- 20%, X5R, 0603	0603
3	C5, C13, C15, C16, C18, C22, C23, C24, C25, C26, C27, C28	12	0.1uF	CGA3E2X8R1E104K080AA	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X8R, AEC-Q200 Grade 0, 0603	0603
4	C19	1	1000pF	C0603X102K5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
5	C21	1	0.47uF	C0603C474K4RACTU	Kemet	CAP, CERM, 0.47 µF, 16 V, +/- 10%, X7R, 0603	0603
6	D1, D2, D3	3	3.3V	CDSOD323-T03SC	Bourns	Diode, TVS, Bi, 3.3 V, 400 W, SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark	SOD323, 2-Leads, Body 1.9x1.45mm, No Polarity Mark
7	D4	1	100V	BAT41ZFILM	STMicroelectronics	Diode, Schottky, 100 V, 0.2 A, SOD-123	SOD-123
8	D5	1	Green	150060GS75000	Wurth Elektronik	LED, Green, SMD	LED_0603
9	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
10	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
11	J1, J2, J3, J4, J5, J6, J7	7	2x1	1727010	Phoenix Contact	Conn Term Block, 2POS, 3.81mm, TH	2POS Terminal Block
12	L1, L2, L3, L4, L5, L6	6	21 ohm	FBMJ2125HM210NT	Taiyo Yuden	Ferrite Bead, 21 ohm @ 100 MHz, 6 A, 0805	0805
13	R1, R4, R5, R6, R11, R12	6	1.01	RT0603DRE071R01L	Yageo America	RES, 1.01, 0.5%, 0.1 W, 0603	0603
14	R2, R7, R8, R15, R16, R17	6	1.00k	RT0603DRE071KL	Yageo America	RES, 1.00 k, 0.5%, 0.1 W, 0603	0603
15	R3, R9, R10	3	0.1	Y14870R10000B9W	Vishay Foil Resistors	RES, 0.1, 0.1%, 1 W, 6.35x3.175mm	6.35x3.175mm
16	R13	1	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, 0603	0603
17	R14	1	390	RC0603FR-07390RL	Yageo America	RES, 390, 1%, 0.1 W, 0603	0603
18	TIDA_00753	1		TIDA-00753	Any	Printed Circuit Board	
19	TP1, TP5, TP6	3	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
20	TP2, TP7, TP8, TP13, TP14	5	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
21	TP3, TP9, TP10, TP19	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
22	TP4, TP11, TP12	3	Yellow	5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
23	U1, U2, U3	3		INA199B3DCKR	Texas Instruments	Voltage Output, High or Low Side Measurement, Bi-Directional Zero-Drift Series Current-Shunt Monitor, DCK0006A	DCK0006A
24	U4	1		REF3212AIDBVR	Texas Instruments	1.25 V, 4 ppm / degC, 100 uA Series (Bandgap) Voltage Reference, -40 to 125 degC, 6-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0006A
25	U5	1		TPS71733DCKR	Texas Instruments	Single Output High PSRR LDO, 150 mA, Fixed 3.3 V Output, 2.5 to 6.5 V Input, with Low IQ, 5-pin SC70 (DCK), -40 to 85 degC, Green (RoHS & no Sb/Br)	DCK0005A

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