

Filename: Pro173.tmp
 Variant: 001
 Generated: 10/24/2018 11:16:30 AM
 TID #: 060020



TIDA-060020 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-060020	Any	Printed Circuit Board	
2	C1	1	1uF	UMK107AB7105KA-T	Taiyo Yuden	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0603	0603
3	C2, C5, C6	3	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
4	C3	1	0.47uF	C1608X7R1H474K080AC	TDK	CAP, CERM, 0.47 uF, 50 V, +/- 10%, X7R, 0603	0603
5	C4, C7, C21, C24	4	1uF	GCM188R71C105MA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0603	0603
6	C8, C9, C10, C12, C13, C15, C18, C19, C23	9	0.1uF	885012206020	Würth Elektronik	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0603	0603
7	C11, C22	2	10uF	GRM188Z71A106MA73D	MuRata	CAP, CERM, 10 uF, 10 V, +/- 20%, X7R, 0603	0603
8	C14, C27, C30	3	0.01uF	C0603H103J3GACTU	Kemet	CAP, CERM, 0.01 uF, 25 V, +/- 5%, COG/NP0, 0603	0603
9	C17	1	680pF	GRM188R71H681KA01D	MuRata	CAP, CERM, 680 pF, 50 V, +/- 10%, X7R, 0603	0603
10	C20	1	4700pF	C0603C472J1GAC7867	Kemet	CAP, CERM, 4700 pF, 100 V, +/- 5%, COG/NP0, 0603	0603
11	C25	1	2200pF	GRM188R71E222KA01D	MuRata	CAP, CERM, 2200 pF, 25 V, +/- 10%, X7R, 0603	0603
12	C26	1	2.2uF	EMK107BB7225MA-T	Taiyo Yuden	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X7R, 0603	0603
13	C29	1	0.1uF	C1206H104J3GACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 5%, COG/NP0, 1206_190	1206_190
14	J1, J4	2		OSTVN02A150	On-Shore Technology	Terminal Block, 2.54mm, 2x1, Brass, TH	Terminal Block, 2.54mm, 2-pole, Brass, TH
15	J2, J3	2		61300611121	Würth Elektronik	Header, 2.54 mm, 6x1, Gold, TH	Header, 2.54mm, 6x1, 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	R1, R2, R4	3	10k	RC0603JR-0710KL	Yageo	RES, 10 k, 5%, 0.1 W, 0603	0603
18	R3, R8, R11, R12, R14, R18	6	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
19	R5, R6, R7, R9, R10	5	47	CRCW060347R0JNEA	Vishay-Dale	RES, 47, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
20	R13	1	110	CRCW0603110RFKEA	Vishay-Dale	RES, 110, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
21	R15, R19	2	8.66k	CRCW06038K66FKEA	Vishay-Dale	RES, 8.66 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
22	R17	1	24.9	RNCF0603TKY24R9	Stackpole Electronics Inc	RES, 24.9, 0.01%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
23	R21	1	127	CRCW0603127RFKEA	Vishay-Dale	RES, 127, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
24	TP1, TP2	2		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
25	U1	1		TLV76050DBZR	Texas Instruments	100-mA, 30-V, Fixed-Output, Linear-Voltage Regulator, DBZ0003A (SOT-23-3)	DBZ0003A
26	U2	1		REF3425IDBVR	Texas Instruments	2.5V Low-Drift Low-Power Small-Footprint Series Voltage Reference, DBV0006A (SOT-23-6)	DBV0006A
27	U3	1		ISO7741DBQR	Texas Instruments	High Speed, Robust EMC Quad-Channel Digital Isolators, DBQ0016A (SSOP-16)	DBQ0016A
28	U4	1		ADS1260BIRHBR	Texas Instruments	6- and 11-Channel, 40-kSPS, 24-Bit, Delta-Sigma ADC with PGA and Voltage Reference, RHB0032E (VQFN-32)	RHB0032E
29	U5	1		DAC8740HRGET	Texas Instruments	HART(R), FOUNDATION Fieldbus (TM), and PROFIBUS PA-Compliant Modem With UART Interface, RGE0024F (VQFN-24)	RGE0024F
30	U6	1		ISO7742DBQR	Texas Instruments	High Speed, Robust EMC Reinforced Quad-Channel Digital Isolator, DBQ0016A (SSOP-16)	DBQ0016A
31	C28	0	0.1uF	C1206H104J3GACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 5%, COG/NP0, 1206_190	1206_190

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2018, Texas Instruments Incorporated