Filename: Pro67D0.tmp
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TID #: TIDA-01239

TIDA-01239 REV E2 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-01239	Any	Printed Circuit Board	
2	BTN1	1		CAPBTN-MUTUAL	Used in BOM report		eg: 0603, used in PnP report
3	C1, C2	2	2200pF	GRM155R71H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0402	0402
4	C4, C11	2	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0402	0402
5	C5	1	4.7uF	C1005X5R1A475K050BC	TDK	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X5R, 0402	0402
6	C6	1	0.1uF	C1005X5R1A104K050BA	TDK	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X5R, 0402	0402
7	C7	1	1uF	CGA4J3X7S2A105K125AB	TDK	CAP, CERM, 1 µF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0805	0805
8	C9	1	0.027uF	GRM155R61A273KA01D	MuRata	CAP, CERM, 0.027 µF, 10 V, +/- 10%, X5R, 0402	0402
9	C10	1	1500pF	GRM155R71H152KA01D	MuRata	CAP, CERM, 1500 pF, 50 V, +/- 10%, X7R, 0402	0402
10	D1	1	Rgb	SMLP36RGB2W3	Rohm	LED, Rgb, SMD	1.5x1mm
11	FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
12	J1	1		SSW-110-22-F-D-RA	Samtec	Receptacle, 2.54mm, 10x2, R/A, Tin, TH	Receptacle, 2.54mm, 10x2, R/A, TH
13	R1, R10, R11	3	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
14	R2, R4	2	140	CRCW0201140RFKED	Vishay-Dale	RES, 140, 1%, 0.05 W, 0201	0201
15	R3	1	47.5k	CRCW040247K5FKED	Vishay-Dale	RES, 47.5 k, 1%, 0.063 W, 0402	0402
16	R5, R6	2	10.0k	CRCW020110K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.05 W, 0201	0201
17	R7	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
18	R8	1	499	CRCW0201499RFKED	Vishay-Dale	RES, 499, 1%, 0.05 W, 0201	0201
19	R9	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
20	U1	1		DRV5053CAQDBZR	Texas Instruments	Analog-Bipolar Hall Effect Sensor, +20 mV/mt-40 - 125°C, DBZ0003A	DBZ0003A
21	U2	1		MSP430FR2633IYQWR	Texas Instruments	Mixed-Signal Microcontroller, YQW0024APAT	YQW0024APAT
22	U3	1		TIOL111	Texas Instruments	IO-Link Device Transceiver with Integrated Surge Protection, TIOL111	TIOL111
23	U4	1		DRV5053CAQLPG	Texas Instruments	Analog-Bipolar Hall Effect Sensor, +20 mV/mt-40 - 125°C, LPG0003A	LPG0003A
24	C3	0	68pF	GRM1555C1H680JA01D	MuRata	CAP, CERM, 68 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
25	C8	0	1000pF	885012205061	Wurth Elektronik	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	0402

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