

Variant: 001
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 TID #: N/A



TIDA-010267_M0_POX REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-010267_M0_POX	Any	Printed Circuit Board	
2	C1	1	10pF	C0402C100C8GACTU	Kemet	CAP, CERM, 10 pF, 10 V, +/- 2.5%, C0G/NP0, 0402	0402
3	C2	1	10uF	GRM188R61A106KAALD	MuRata	CAP, CERM, 10 uF, 10 V, +/- 10%, X5R, 0603	0603
4	C3	1	0.1uF	GRM155R61A104KA01D	MuRata	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0402	0402
5	C4	1	0.47uF	GRM155R61A474KE15D	MuRata	CAP, CERM, 0.47 uF, 10 V, +/- 10%, X5R, 0402	0402
6	C5	1	1000pF	GRM155R61A102KA01D	MuRata	CAP, CERM, 1000 pF, 10 V, +/- 10%, X5R, 0402	0402
7	C6, C7	2	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0402	0402
8	D1	1		BPW 34 SR	OSRAM	PIN Photodiode, SMD	3.85x4.4mm
9	FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
10	J3	1		FTSH-105-01-L-DV-K	Samtec	Header(Shrouded), 1.27mm, 5x2, Gold, SMT	Header(Shrouded), 1.27mm, 5x2, SMT
11	Q1, Q2, Q3, Q4	4		DMG3404L-7	Diodes Inc.	MOSFET N-Channel 30 V 4.2A (Ta) 780mW (Ta) Surface Mount SOT-23-3	SOT23
12	R1	1	2.00Meg	CRCW04022M00FKED	Vishay-Dale	RES, 2.00 M, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
13	R2	1	47.0k	RC0402FR-0747KL	Yageo America	RES, 47.0 k, 1%, 0.0625 W, 0402	0402
14	R3	1	100k	RG1005P-104-B-T5	Susumu Co Ltd	RES, 100 k, 0.1%, 0.063 W, 0402	0402
15	R4, R5	2	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
16	R6	1	10	RC0603FR-0710RL	Yageo	RES, 10.0, 1%, 0.1 W, 0603	0603
17	R7	1	10	CRCW040210R0JNED	Vishay-Dale	RES, 10, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
18	R9, R10	2	27	CPF0402B27RE1	TE Connectivity	RES, 27, 0.1%, 0.063 W, 0402	0402
19	SW1	1		PTS526SK15SMTR2LFS	C&K	TACT 5.2 X 5.2, 1.5 MM H, 260GF,	
20	U1	1		MSPM0L1306SRHB	Texas Instruments	MSPM0L130x Mixed-Signal Microcontrollers	VQFN32
21	U2	1					
22	C8	0	0.1uF	GRM155R61A104KA01D	MuRata	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0402	0402
23	J1, J2	0		61300511121	Würth Elektronik	Header, 2.54mm, 5x1, Gold, TH	Header, 2.54mm, 5x1, TH

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