

TIDA-00336 Assembly Bill of Materials

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Project Name:	SAT0111
Project File:	SAT0111_E1_1.PrjPcb
Base ID:	KSID 15313
Schematic Rev:	E1.1
Assembly Variant:	None
Build Quantity:	100
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Required	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Alternate Manufacturer	Alternate PartNumber
1	PCB	Printed Circuit Board	O	Any	KSID 15313	1	100						
2	C1, C3, C4, C5	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, 0603	Y	Kemet	C0603C104J4RACTU	4	400	Digi-Key	399-1097-1-ND	Mouser	80-C0603C104J4R		
3	C2	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	Y	TDK	C1608X7R1C105K	1	100	Digi-Key	445-1804-1-ND	Farnell	1907343		
4	C6	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X5R, 0603	Y	MuRata	GRM188R61C225KE15D	1	100	Digi-Key	490-3296-1-ND	Mouser	81-GRM188R61C225KE15		
5	C7	CAP, CERM, 10 uF, 16 V, +/- 10%, X7R, 1206	Y	MuRata	GRM31CR71C106KAC7L	1	100	Digi-Key	490-3911-1-ND	Mouser	81-GRM31CR71C106KAC7		
6	C8	CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	Y	AVX	12063C105KAT2A	1	100	Digi-Key	478-1567-1-ND	Mouser	581-12063C105K		
7	D1, D2	Diode, Ultrafast, 100V, 0.15A, SOD-123	Y	Diodes Inc.	1N4148W-7-F	2	200	Digi-Key	1N4148W-FDICT-ND	Mouser	621-1N4148W-F		
8	FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.	Y	N/A	N/A	3	300						
9	H9, H10, H11, H12	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Y	3M	SJ-5303 (CLEAR)	4	400	Digi-Key	SJ5303-7-ND	Mouser	517-SJ-5303CL		
10	J1	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	Y	On-Shore Technology	ED555/2DS	1	100	Digi-Key	ED1514-ND				
11	J2	Header, 100mil, 3x1, Gold, TH	Y	Samtec	TSW-103-07-G-S	1	100	Digi-Key	SAM1029-03-ND				
12	R1, R2, R3, R4, R5, R6, R7, R8, R9, R14, R15, R16, R17, R18, R19	RES, 10.0 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW060310K0FKEA	15	1500	Digi-Key	541-10.0KHCT-ND	Mouser	71-CRCW0603-10K-E3		
13	R10	RES, 100 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603100KFKEA	1	100	Digi-Key	541-100KHCT-ND	Mouser	71-CRCW0603-100K-E3		
14	R11, R13	RES, 20.0 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW060320K0FKEA	2	200	Digi-Key	541-20.0KHCT-ND	Mouser	71-CRCW0603-20K-E3		
15	R12	RES, 113k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603113KFKEA	1	100	Digi-Key	541-113KHCT-ND	Mouser	71-CRCW0603-113K-E3		
16	SH-J1	Shunt, 2mm, Gold plated, Black	Y	Samtec	2SN-BK-G	1	100	Digi-Key	2SN-BK-G-ND				
17	TP1, TP2, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP13, TP14, TP15, TP16, TP17, TP20	Test Point, Miniature, White, TH	Y	Keystone	5002	15	1500	Digi-Key	5002K-ND	Newark	82H9632		
18	TP11	Test Point, Miniature, Red, TH	Y	Keystone	5000	1	100	Digi-Key	5000K-ND				
19	TP18, TP19, TP21	Test Point, Miniature, Black, TH	Y	Keystone	5001	3	300	Digi-Key	5001K-ND				
20	U1	Power Logic 12-Channel Shift Register LED Driver, PW0020A	Y	Texas Instruments	TLC6C5912QPWRQ1	1	100					None	
21	U2	Dual LinCMOS Timers, D0014A	Y	Texas Instruments	TLC556ID	1	100					None	

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