

Variant: 001
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 TID #: TIDA-00560



TIDA-00560 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-00560	Any	Printed Circuit Board	
2	C1, C2, C3, C4	4	0.1uF	885012206095	Würth Elektronik	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603_095	0603_095
3	D1, D3, D5, D7, D9, D11, D13, D15	8	Green	150120VS75000	Würth Elektronik	LED, Green, SMD	3.2x1.6mm
4	D2, D4, D6, D8, D10, D12, D14, D16	8	Red	150120RS75000	Würth Elektronik	LED, Red, SMD	3.2x1.6mm
5	J1A, J1B, J1C	3		62000811121	Würth Elektronik	Header, 2 mm, 8x1, Gold, TH	Header, 2mm, 8x1, TH
6	J8, J9	2		SSHQ-123-D-08-F-LF	Major League Electronics	Female Connector, 2.54mm, 23x2, TH	Female Connector, 2.54mm, 23x2, TH
7	Q1	1	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
8	R1, R2, R3, R4, R5, R6, R7, R8, R9, R13	10	5.62k	RC0603FR-075K62L	Yageo America	RES, 5.62 k, 1%, 0.1 W, 0603	0603
9	R10	1	16.9k	CRCW060316K9FKEA	Vishay-Dale	RES, 16.9 k, 1%, 0.1 W, 0603	0603
10	R11	1	25.5k	RC0603FR-0725K5L	Yageo America	RES, 25.5 k, 1%, 0.1 W, 0603	0603
11	R12	1	100	RC0603FR-07100RL	Yageo America	RES, 100, 1%, 0.1 W, 0603	0603
12	S1	1		416131160802	Würth Elektronik	Switch, SPST, Off-On, 2 Pos, SMD	5.6x3.58mm
13	U1	1		CAT24C256WI-G	ON Semiconductor	256 kb I2C CMOS Serial EEPROM, SOIC-8	SOIC-8
14	U2	1		SN74LVC2G86DCTR	Texas Instruments	Dual 2-Input Exclusive-OR Gate, DCT0008A	DCT0008A
15	U3	1		SN74LVC1G332DCKR	Texas Instruments	Single 3-Input Positive-OR Gate, DCK0006A	DCK0006A
16	U4	1		TLC5928RGER	Texas Instruments	16-Channel Constant Current LED Driver with LED Open Detection, 3 to 5.5 V, -40 to 85 degC, 24-pin QFN (RGE24), Green (RoHS & no Sb/Br)	RGE0024G
17	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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