

Idn	Reference Designator	Item Type	Item Package	Item Desc	Qty	MFG Name	MFG P/N	Notes
1	C1, C14, C15	CERAMIC-CAP	0603	CAP CER 1UF 6.3V X5R 0603 10%	3	YAGEO	CC0603KRX5R5BB105	
2	C2, C3, C4, C5, C13, C16	CERAMIC-CAP	0603	CAP CER 0.1UF 16V X7R 0603 10%	6	YAGEO	CC0603KRX7R7BB104	
3	C6, C7, C12	CERAMIC-CAP	0603	CAP CER 2.2UF 6.3V X5R 0603 10%	3	YAGEO	CC0603KRX5R5BB225	
4	C8, C9, C10, C11	CERAMIC-CAP	0603	CAP CER 8.2PF 50V NP0 0603	4	YAGEO	CC0603DRNPO9BN8R2	
5	J1	USB-CONN	SMD-5	CONNECTOR USB MICRO AB RECEPTACLE	1	MOLEX	47589-0001	
6	J2	CONNECTOR	PTH-40	PIN HEADER 1X40, 2.54MM PITCH	1	HARWIN	M20-9994046	
7	L1	FERRITE-CHIP	0603	FERRITE CHIP 120 OHM 500MA 0603	1	TAIYO YUDEN	BK1608HS121-T	
8	LED	LED-RGB	0606	LED RGB 0606	1	LITE-ON	LTST-C19HE1WT	
9	ON	LED	0603	LED GREEN 0603	1	LITE-ON	LTST-C191KGKT	
10	Q1	MOSFET	SOT-23-3	MOSFET 2N7002 N-CHANNEL	1	ON SEMICONDUCTOR	2N7002	
11	R1, R2, R4, R9	RESISTOR-DISCRETE	0603	RES 0603 47K OHM 5% 1/10W	4	YAGEO	RC0603JR-0747KL	
12	R3	RESISTOR-DISCRETE	0603	RES 0603 470K OHM 5% 1/10W	1	YAGEO	RC0603JR-07470KL	
13	R5, R6, R7, R8, R10, R11	RESISTOR-DISCRETE	0603	RES 0603 200 OHM 5% 1/10W	6	YAGEO	RC0603JR-07200RL	
14	R12	RESISTOR-DISCRETE	0603	JUMPER 0603 ZERO OHM	1	YAGEO	RC0603JR-070RL	NOT PLACED TO USE EXTERNAL BACKUP BATTERY
15	U1	IC	LQFP-64	IC MCU STM32F405RGT6	1	STMICROELECTRONICS	STM32F405RGT6	
16	U2	IC	SOT-223-3	IC LDO VOLTAGE REGULATOR 3.3V	1	DIODES INCORPORATED	AZ1117EH-3.3	
17	USER	TACTILE-SWITCH	SMD-4	TACTILE SWITCH SPST-NO	1	TE CONNECTIVITY	FSMSM	
18	Y1	CRYSTAL	SMD-4	CRYSTAL ABM3B 8 MHZ	1	ABRACON	ABM3B-8.000MHZ-10-1UT	
19	Y2	CRYSTAL	SMD-2	CRYSTAL 32.768 KHZ	1	ECS	ECS-.327-7-34QCS-TR	

Bill of Materials (BOM): TON-FIT V2.0