







Bill Of Materials - TOP

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Line #	Designator	Comment	Description	Footprint	Quantity
10	H4	SSQ-112-03-F-S	CON Receptacle 1x10 100 mils, leads length 10mm	TH_CON_REC1x12_PIT100_L400	1
11	H5	2212S-08SG-85	CON Receptacle 1x8 100 mils, hight 8.5mm	TH_CON_REC1x8_PIT100	1
13	H8	SSQ-108-03-F-S	CON Receptacle 1x8 100 mils, leads length 10mm	TH_CON_REC1x8_PIT100_L400	1

Bill Of Materials - BOT

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Line #	Designator	Comment	Description	Footprint	Quantity	
1	AN2	ant	MOD antenna CHIP 863-873 MHz, ISM, IoT, 10x3.2x5mm	SM_ANT_W3214	1	
2	C1, C3, C6, C10	100n	CAP CER .10UF 50V X7R 10% 0603	sm_cap_0603	4	
3	C2, C4	10u	CAP CER 10uF 6.3V X5R 10% 0603	sm_cap_0603	2	
4	C5, C7, C8, C9	1.00u	CAP CER 1.0UF 16V X7R 10% 0603	sm_cap_0603	4	
5	C11	10.0p	CAP CER 10.0p 50V C0G 5% 0603	sm_cap_0603	1	
6	D4	MBR0520LT	DIO schottky 20V 0.5A SOD123	SM_DIO_SOD123	1	
7	D5, D7	KPTD-1608LVSECK-J3-PF	OPT LED red 625nm 2mA 50mcd 1.8V 0603	sm_opt_led0603_h37_opp	2	
8	D6	KPTD-1608LVZGCK	OPT LED green 525nm 2mA 220mcd 2.65V 0603	sm_opt_led0603_h37	1	
12	H7	47346-1001	CON USB micro B, USB 2; 5 pins; righ angle, PCB mount SMT	SM_CON_USB_MICRO_B_FEMALE_47346_10 01	1	
14	IC1	CMWX1ZZABZ-078	Lora modul Murata (STM32L, 868 MHz, 915 MHz) 12 x 12 mm	TH_MOD_PIN48_LoRa_Murata	1	
15	IC2	MCP1700T-3302E	ICS LDO regulator Vout=3.3V, 250mA, Vin=6V, SOT23-3, Vdrop = 200mV	sm_io_sot23_pin3	1	
16	IC3	HDC1080	ICS Low Power, High Accuracy Digital Humidity Sensor with Temperature Sensor	SM_IO_WSON6_PIT40	1	
17	R1, R5	10.0k	RES 0603 10.0k 1% 100ppm SMD thick film	sm_res_0603	2	
18	R2, R3	750	RES 0603 750R 1% 100ppm SMD thick film	sm_res_0603	2	
19	R4	330	RES 0603 330R 1% 100ppm SMD thick film	sm_res_0603	1	
20	R7, R8	2.20k	RES 0603 2.20k 1% 100ppm SMD thick film	sm_res_0603	2	
21	SW1, SW2	EVQ-P7J01P	SWITCH TACTILE SPST-NO 0.05A 12V	FP-EVQ-P7J01P-MFG	2	

RICE			
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	Author: Jiri Cengery		Subtitle: ASM view		Variant: Final	
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