R10 R3 R28 R4 R8 P1 R29 C54 C24 U4 U5 R27 C52 C62 C45 C61 C46 C60 C49 C56 C58 C55 C50 C51 C59 C53 J7 SW1 R9 C1 C10 Q11 R7 Q9 P2 J2

U2 R15 R14 R11 R12 C30 C20 C36 C35 C29 C28 C27 C25 C22 C42 C43 C40 C41 U6 J1 J8 J3 J5 J4 J6 LED1 LED2 LED3 LED4 LED5 R16 R17 R19 R20 R22 R18 U3 R13 P4 B1 U1 R1 FB1 FB2

Comment	Description	Designator	Footprint	LibRef	Quan
IRFR5305TRLPBF	Transistor MOSFET P	[NoValue], *1	IRFR5305TRLPBF-Foo	CMP-03520-01.A.1	
Buck		B1	New footprint 1	CMP-03570-1	
CAP ALUM POLY 390U	390µF ±20% 20V Alum	C1, C10	NIC-CAPA2-8X10_V	20SVPF390M-1	
CAP 1uF 16V 0402(10	CAP 1uF 16V ±20% 0	C2, C5, C6, C9, C12,	CAPC0402(1005)60_N	CMP-04816-A.1	
CAP 0.1uF 16V 0402(	CAP 0.1uF 16V 0402(	C3, C11, C18, C19, C2	CAPC0402(1005)60_L	CAP-100n-16V-0402-X	
2.2UF 25V 10% X5R 0	CAP CER 2.2UF 25V 1	C4	CAPC0603(1608)100_	CAP CER 2.2UF 25V 1	
CAP-0402-8.2PF-50V-	CAP CER 8.2PF 50V 5	C15	CAP-SMD-0402-060-I	CAP-00038-1	
CAP-0402-1UF-6.3V-1	CAP CER 1UF 6.3V 10	C16	CAP-SMD-0402-060-I	CAP-00042-1	
CAP-0402-10UF-6.3V-	CAP CER 10UF 6.3V 2	C17	CAP-SMD-0402-060-I	CAP-00046-1	
22PF	CAP CER 22PF 50V C0	C28, C29, C63, C64	CAPC0402(1005)60_L	CAP-0402-22pf-1	
CAP-CHIP-SMD-X7R-0	CAP CER 2200PF 50V	C30, C65	CAP-SMD-0805-094-I	CAP-00057-1	
CAP-0402-0.1U-16V-1	CAP CER 0.1UF 16V 1	C38	CAP-SMD-0402-060-I	CAP-00051-1	
CAP-0402-0.1UF-25V-	CAP CER 0.1UF 25V 1	C40, C41	CAP-SMD-0402-060-I	CAP-00050-1	
CAP CER 4.7UF 35V X	CAP CER 4.7UF 35V X	C42	CAPC0603(1608)100_	CAP CER 4.7UF 35V X	
FERRITE BEAD 1 KOH	FERRITE BEAD 1 KOH	FB1, FB2	L_0402_CAP_CHIP	Murata - BLM15HD102	
CONN HEADER .050" S	CONN HEADER .050" S	J1, J7	CONN-TH-HEADER-VE	Sullins - GRPB051VW\	
3 Position Header Con	3 Position Header Con	J2, J3, J4	Con-Female-3Pos	CON-3POS-2.54MM-1	
Connector Header 4 P	Connector Header 4 P	J5, J6, J8	CONN-TH-HEADER-VE	PPTC041LFBN-RC con	
FIXED IND 10UH 6.5A	10µH Shielded Wirewi	L2	IND-SRR1210	Ind-SRR1210-100M-A	
LED GREEN CLEAR 06	LED GREEN CLEAR 06	LED1, LED5	0603(1608)_M	LTST-C191KGKT-4	
LED YELLOW CLEAR 0	Yellow 590nm LED Ind	LED2	RESC0402(1005)_N	QT - QBLP595-Y-1	
LED RED CLEAR 0603	LED RED CLEAR 0603	LED3	0603(1608)_M	LTST-C191KRKT-1	
LED BLUE CLEAR 0603	LED BLUE CLEAR 0603	LED4	0603(1608)_M	LTST-C191TBKT-01.A	
CONN TERM BLOCK 5	CONN TERM BLOCK 5	P1, P2, P4	PCBComponent	Phoenix-1792863-Scre	
2N7002-TP	N-Channel 60V 115mA	Q5, Q7	2N7002-TP-Footprint-	CMP-03123-1	
IPB80N08S2L-07	MOSFET OptiMOS PW	Q9, Q11	INF-PG-TO263-3-2_L	CMP-03515-01.A.1	
CSD17551Q3A	MOSFET 30V N-Chnl N	Q13	DQG0008A_V	CMP-03021-2	
10K 5% 0402(1005)	10K 0.063W 5% 0402	R1, R2, R4, R5, R6, R	RESC0402(1005)_N	CMP-00277-A.2	
WSHP2818R1000FEA	RES 0.1 OHM 1% 10W	R3	RESC7146X15N	CMP-03572-01.A.1	
WSL2010R0250FEA18	VISHAY - WSL2010R0	R8	WSL2010R0250FEA18	CMP-03525-01.A.1	
0 0402(1005)	0 0.063W 0402 (1005	R12, R13	RESC0402(1005)_L	0-A.1	
4.7K	RES SMD 4.7K OHM 1	R14, R15, R21, R31	L_0402_RES_CHIP - G	CMP-02998-3	
430R 5% 0402(1005)	430R 0.063W 5% 040	R16, R19, R20, R22	RESC0402(1005)_N	CMP-1011-00057-1	
750R 5% 0402(1005)	750R 0.063W 5% 040	R17	RESC0402(1005)_N	CMP-1011-00057-1	
RES SMD 10 KOHM 19	RES SMD 10 KOHM 19	R18	RESC0402(1005)_L	RES-0402-10K-1	
ERJ-3EKF1003V	RES SMD 100K OHM 1	R27	L_0603_RES_CHIP	CMP-001-0086-01.A.3	
RF_ZIGBEE_XBP24-CZ	XBEE PRO SET 1MW P	RF1	XBEE_PRO_TH	CMP-02909-2	
Tactile Switch SPST-N	Tactile Switch SPST-N	SW1	SW-TACT-SMT-4.50n	TL3305AF260QG - 1-1	
IC RECEIVER GPS CHI	CAM-M8 RF Receiver	U1	IC RECEIVER GPS CHI	U-blox - CAM-M8C-0-A	
CY8C5888LTI-LP097	ARM Microcontrollers	U2, U7	CYP-128_L	CMP-03451-1	