

Part	Part Number	Qty	Type	Value	Footprint
C3	<a href="#">GRM21BR61H225KA73L</a>	1	Capacitor	10uF X5R	805
C4	<a href="#">C0603C334K4RACTU</a>	1	Capacitor	.33uF X7R	603
C5, C6	<a href="#">GRM21BR61C106KE15L</a>	2	Capacitor	10uF X5R	805
C1, C2	<a href="#">GRM31CR61H106MA12L</a>	2	Capacitor	10uF X5R	1206
C7, C8, C9	<a href="#">C0805C104K5RACTU</a>	3	Capacitor	100nF X7R	805
L1	<a href="#">VLP8040T-470M</a>	1	Inductor	47uH	Custom
R65, R67	<a href="#">ERJ-3GEYJ114V</a>	2	Resistance	110k	603
R66	<a href="#">ERJ-3GEYJ203V</a>	1	Resistance	20k	603
D1-D16	<a href="#">L4N3RP</a>	16	Triac	NA	DO214AA
D17	<a href="#">DB2J50100L</a>	1	Bridge	NA	SOD-323F
D18	<a href="#">MBRS1100T3G</a>	1	Diode	NA	DO214AA
D19-D35	<a href="#">SMBJ45CA</a>	17	TVS	NA	DO214AA
U1-U16	<a href="#">MOC3063S-TA1</a>	16	Optoisolator	NA	6SMD
U17	<a href="#">Particle Photon</a>	1	Photon	NA	Custom
U18, U19	<a href="#">74HC595</a>	2	IC	74HC595	SOIC-16
U20	<a href="#">LMR16006XDDCR</a>	1	IC	LMR16006	SOT23-6
R3, R4, R7, R8, R11, R12	<a href="#">ERJ-3GEYJ361V</a>	32	Resistor	360 Ohm	805
Led1-17	<a href="#">LTST-C171GKT</a>	17	LED, Green	Green LED	805
R1, R5, R9, R13, R17, R18	<a href="#">ERJ-3GEYJ181V</a>	17	Resistor	180	603
R2, R6, R10, R14, R15	<a href="#">ERJ-3GEYJ102V</a>	16	Resistor	1K	603
Q1-Q16	<a href="#">MMBT3904,215</a>	16	Transistor	2N3904	SOT23
J6, J7	<a href="#">1985027</a>	2	Connector	8 wire	Custom
J5	<a href="#">1984992</a>	1	Connector	5 wire	Custom
J4	<a href="#">20020327-D031B01LF</a>	1	Connector	3 wire	Custom
J2, J3	<a href="#">1x2 Header (40 pin)</a>	2	Header	2 wire	.1 Spacing
J1	<a href="#">2x8 (breakaway)</a>	1	Header	16 wire	.1 Spacing
Photon Sockets	<a href="#">1x12 Header</a>	2	Header	NA	.1 Spacing
Jumper	<a href="#">2 pin jumper</a>	1	Jumper	NA	NA
ASSY	<a href="#">Custom</a>	1	Labor	NA	NA
PCB	<a href="#">PCB</a>	1	PCB	NA	NA
Enclosure	<a href="#">Enclosure</a>	1	Enclosure	NA	NA
Antenna	<a href="#">252-1023</a>	1	Antenna	NA	NA
UFL	<a href="#">CAR SMA-UFL-10</a>	1	Antenna Wire	NA	UFL
Transformer	<a href="#">TRG2440</a>	1	Transformer	24VAC	NA
		<b>182</b>			