











Part	X	Y	Angle	Package	Value	Manufacturer	Manufacturer Part No	Farnell Part No	Mouser Part No	Description
Dimensions	51.44	63.50								
Fiducials - for solder paste mask alignment:										
FD1	48.26	48.26	0							Fiducial 1mm
FD2	2.54	6.35	0							Fiducial 1mm
Surface Mount Components:										
C1	3.18	21.53	180	0603	1uF	Murata	GRM188R61A105KA61D	1828798		MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R
C2	3.21	19.49	180	0603	0.1uF	Murata	GRM188R71H104JA93D	2688523		MultiLayer Ceramic Capacitor; 0.1uF; 50V; 0603; X7R
C3	22.76	31.21	90	0603	1uF	Murata	GRM188R61A105KA61D	1828798		MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R
C4	36.83	10.16	0	0603	0.1uF	Murata	GRM188R71H104JA93D	2688523		MultiLayer Ceramic Capacitor; 0.1uF; 50V; 0603; X7R
C5	36.83	7.62	0	0805	10uF	Murata	GCJ21BR71A106KE01L	2781411		MultiLayer Ceramic Capacitor; 10uF; 10V; 0805; X7R
D1	21.59	8.76	270	SOD-123	MBR120	ON SEMICONDUCTOR	MBR120VLSFT1G	1431044		Schottky Rectifier; 20V; 1A; SOD-123
D2	34.99	32.23	90	SOD-123	MBR120	ON SEMICONDUCTOR	MBR120VLSFT1G	1431044		Schottky Rectifier; 20V; 1A; SOD-123
IC1	25.4	20.32	0		ERIC4	LPRS	ERIC4	2362439		LPRS easy Radio Intelligent Controller 433MHz
					ERIC9	LPRS	ERIC9	2362440		LPRS easy Radio Intelligent Controller 868/915MHz
IC2	44.74	9.18	0	SOT23-3	MCP111T-240E/TT	Microchip	MCP111T-240E/TT	1627192		Reset Supervisor; SOT23-3; 2.40V; Open Drain; Active Low
IC3	18.64	32.23	270	SOP65P400X130-8N	SN74LVC2G02DCTR	Texas Instruments	SN74LVC2G02DCTR	1236358		NOR Gate, 2 Input, 32 mA, 1.65 V to 5.5 V, SSOP-8
IC4	7.49	19.65	0	LGA8	MPL3115A2	NXP	MPL3115A2	2009084		Pressure Sensor
LED1	25.15	38.16	90	2.0x1.25	RED	Wurth Elektronik	150080RS75000	2322077	710-150080RS75000	LED; Red; 20mA; 2V; 2.0x1.25mm
LED2	27.24	31.34	180	2.0x1.25	RED	Wurth Elektronik	150080RS75000	2322077	710-150080RS75000	LED; Red; 20mA; 2V; 2.0x1.25mm
Q1	43.15	42.58	270	SOT23	DMG3415U-7	Diodes Inc.	DMG3415U-7	1843688		MOSFET; P Channel; SOT23-WIDE
Q2	33.75	41.24	270	SOT23	2N2222	Fairchild	MMBT2222A	9846700		Bipolar (BJT) Single Transistor, NPN, 40 V, 350 mW, 1 A
R1	29.11	38.26	180	0603	2.2K	Multicomp	MCWR06X2201FTL	2447320		Chip Resistor; Thick Film; 2.2k; 50V; 0603; 100mW
R2	11.27	21.88	270	0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R3	29.18	36.1	180	0603	100k	Multicomp	MCWR06X1003FTL	2447226		Chip Resistor; Thick Film; 100k; 50V; 0603; 100mW
R4	11.27	18.48	90	0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R5	24.07	8.51	90	0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R6	25.3	36.1	180	0603	100k	Multicomp	MCWR06X1003FTL	2447226		Chip Resistor; Thick Film; 100k; 50V; 0603; 100mW
R7	25.37	31.15	90	0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R8	29.15	8.51	90	0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R9	38.16	42.55	180	0603	10K	Multicomp	MCWR06X1002FTL	2447230		Chip Resistor; Thick Film; 10k; 50V; 0603; 100mW
R11	21.15	38.86	0	0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R12	21.18	36.1	0	0603	10K	Multicomp	MCWR06X1002FTL	2447230		Chip Resistor; Thick Film; 10k; 50V; 0603; 100mW
Non-surface mount components:										
RF					SMA Jack	Johnson	142-0711-821	1019328		SMA End Launch Jack
BAT1					AAA-Clip_Pair	Keystone Electronics	82	908721		Keystone Electronics 82 AAA Battery Clip (Pair)
BAT2					AAA-Clip_Pair	Keystone Electronics	82	908721		Keystone Electronics 82 AAA Battery Clip (Pair)
BAT3					AAA-Clip_Pair	Keystone Electronics	82	908721		Keystone Electronics 82 AAA Battery Clip (Pair)
RESET					Tactile Switch	Multicomp	MCDTS6-1N	9471685		Switch, SPST, 0.05A, 12VDC, 160gf
PYRO					Terminal Block	Phoenix Contact	SPTA 1/2-3.5	1793729		Terminal Block; 3.5mm; 2 Ways; 24-16 AWG