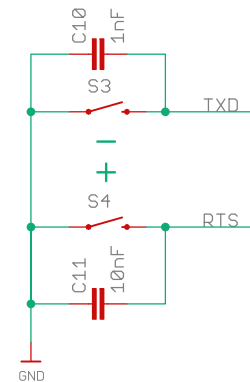
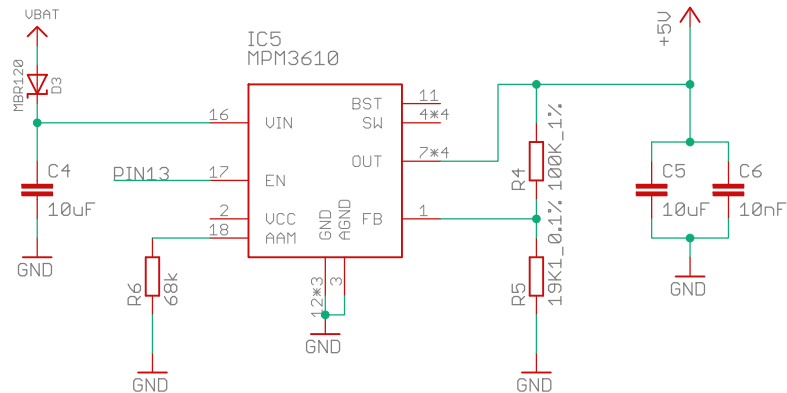
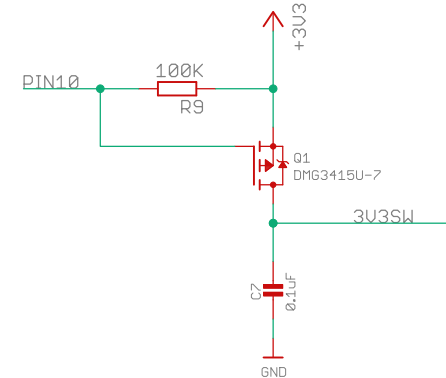
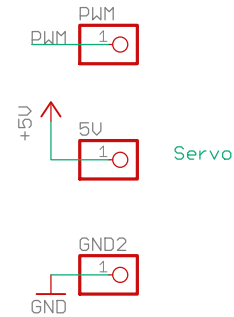
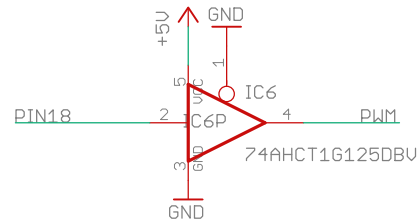
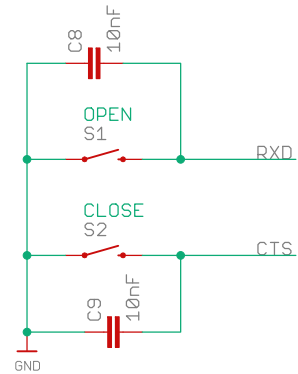


Balloon_Cut-Down

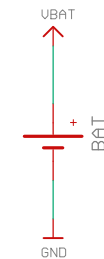
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Balloon Cut-Down Device V3



Energiser Ultimate Lithium 9V
in Keystone Electronics 593 and 594 clips



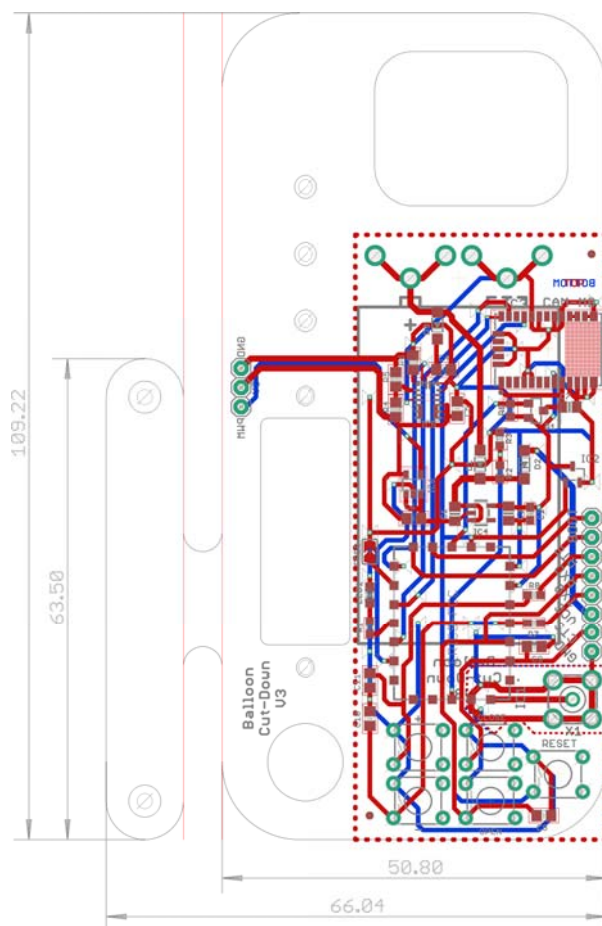
Fiducials

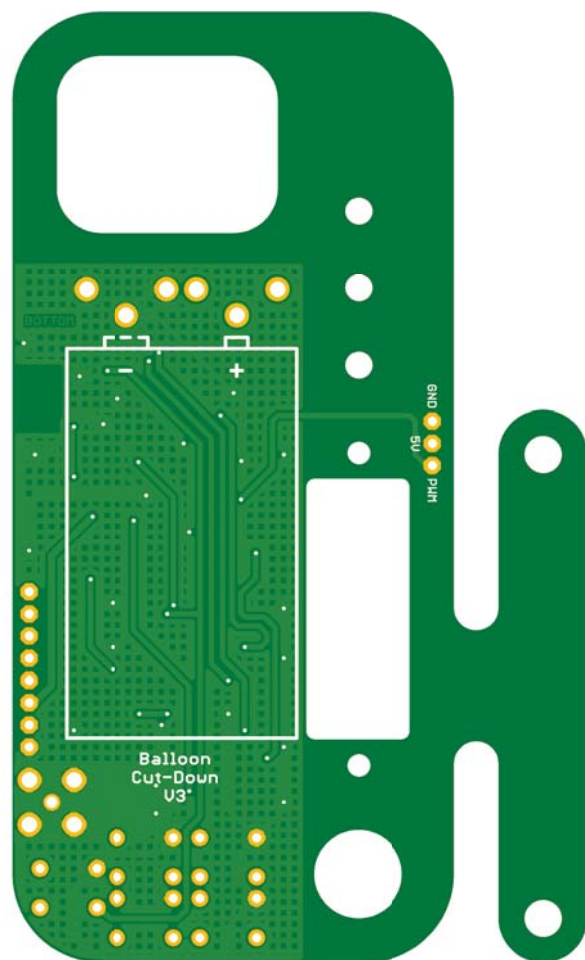


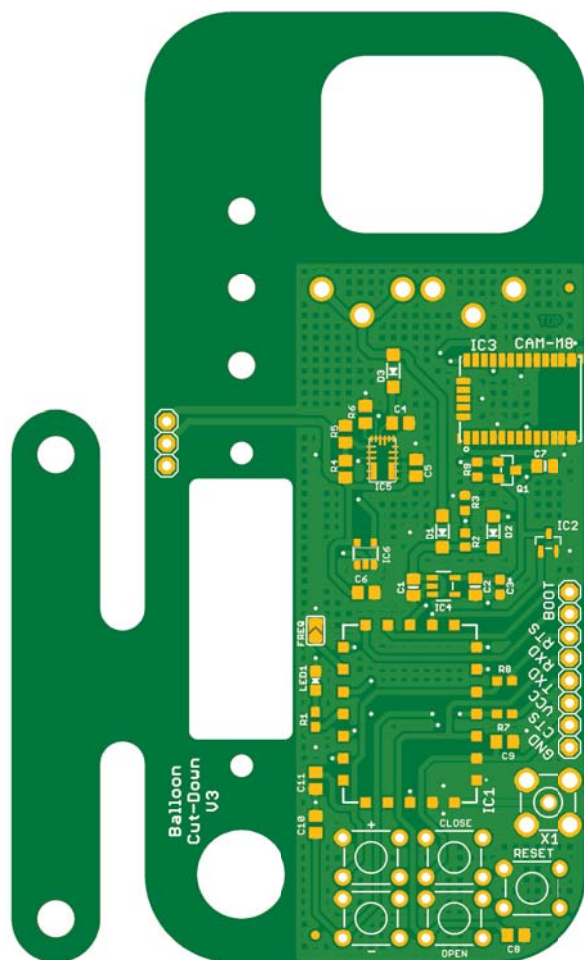
Balloon_Cut-Down

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Part	X	Y	Angle	Package	Value	Manufacturer	Manufacturer Part No	Farnell Part No	RS Part No	Mouser Part No	Description
Fiducials - for solder paste mask alignment:											
FD1	34.89	3.18									Fiducial 1mm
FD2	64.10	77.47									Fiducial 1mm
Surface Mount Components:											
C1	46.1	43.08	270	0805	10µF	Walsin	0805F106Z100CT	2496998			MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C2	53.18	43.15	270	0805	10µF	Walsin	0805F106Z100CT	2496998			MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C3	56.01	43.12	270	0603	0.1uF	Murata	GRM188R71H104JA93D	2688523			MultiLayer Ceramic Capacitor; 0.1uF; 50V; 0603; X7R
C4	44.64	62.04	0	0805	10µF	Walsin	0805F106Z100CT	2496998			MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C5	46.42	56.9	90	0805	10µF	Walsin	0805F106Z100CT	2496998			MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C6	40.7	42.48	0	0805	10nF	Walsin	0805B103K500CT	2496939			MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
C7	61.18	57.12	0	0805	0.1uF	Walsin	0805B104K500CT	2496944			MultiLayer Ceramic Capacitor; 0.1uF; 50V; 0805; X7R
C8	57.82	3.18	180	0805	10nF	Walsin	0805B103K500CT	2496939			MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
C9	56.55	25.4	180	0805	10nF	Walsin	0805B103K500CT	2496939			MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
C10	34.93	15.91	270	0805	1nF	Walsin	0805B102J500CT	2496932			MultiLayer Ceramic Capacitor; 1nF; 50V; 0805; X7R
C11	34.93	20.92	90	0805	10nF	Walsin	0805B103K500CT	2496939			MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
D1	49.43	49.56	90	SOD-123	MBR120	ON SEMICONDUCTOR	MBR120VLSFT1G	1431044			Schottky Rectifier; 20V; 1A; SOD-123
D2	55.25	49.53	90	SOD-123	MBR120	ON SEMICONDUCTOR	MBR120VLSFT1G	1431044			Schottky Rectifier; 20V; 1A; SOD-123
D3	43.82	67.95	90	SOD-123	MBR120	ON SEMICONDUCTOR	MBR120VLSFT1G	1431044			Schottky Rectifier; 20V; 1A; SOD-123
IC1	45.72	28.58	90		ERIC4	LPRS	ERIC4	2362439			LPRS easy Radio Intelligent Controller 433MHz
					ERIC9	LPRS	ERIC9	2362440			LPRS easy Radio Intelligent Controller 868/915MHz
IC2	61.6	48.26	0	SOT23-3	MCP111T-240E/TT	Microchip	MCP111T-240E/TT	1627192			Reset Supervisor; SOT23-3; 2.40V; Open Drain; Active Low
IC3	58.1	64.77	0		CAM-M8Q	u-blox	CAM-M8Q				https://www.u-blox.com/en/product/cam-m8-series
IC4	49.56	43.21	270	SOT23-5	SPX3819-3.3	Exar	SPX3819M5-L-3-3/TR			701-SPX3819M5-L-33TR	LDO Voltage Regulator; 500mA; SOT-23-5
IC5	42.58	57.96	0	QFN-20	MPM3610	MPS	MPM3610AGQV-P			946-MPM3610AGQV-P	Switching Voltage Regulator; 21V; 1.2A; DC/DC
IC6	40.64	46.96	0	SOT23-5	74AHCT1G125DBV	Texas Instruments	SN74AHCT1G125DBVR	1105927			Buffer / Line Driver; Single Gate
LED1	34.93	32.38	0	2.0x1.25	RED	Würth Elektronik	150080RS75000	2322077		710-150080RS75000	LED; Red; 20mA; 2V; 2.0x1.25mm
Q1	56.8	56.64	270	SOT23	DMG3415U-7	Diodes Inc.	DMG3415U-7	1843688			MOSFET; P Channel; SOT23-WIDE
R1	34.89	27.94	90	0603	1K	Multicomp	MCWR06X1001FTL	2447272			Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R2	52.04	48.58	270	0603	330K	Multicomp	MCWR06X3303FTL	2447338			Resistor, Thick Film, 330K, 1%, 50V, 100mW, 0603
R3	52.01	52.9	270	0603	100K	Multicomp	MC01W08051100K	9332405			Chip Resistor; Thick Film; 100k; 150V; 0805; 100mW
R4	38.32	56.77	270	0805	100K_1%	Panasonic	ERJ6ENF1003V	2303757			Resistor, Thick Film, 100K, 1% 0.125W, 0805
R5	38.32	60.77	270	0805	19K1_0.1%	Panasonic	ERA6ARB1912V	2094729			Resistor, Thin Film, 19K1, 0.1%, 0.125W, 0805
R6	40.61	62.99	270	0805	68k	Multicomp	MCWR08X6802FTL	2447706			Resistor, Thick Film, 68K, 1%, 0.125W
R7	56.52	28.58	180	0603	1K	Multicomp	MCWR06X1001FTL	2447272			Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R8	56.52	32.38	180	0603	1K	Multicomp	MCWR06X1001FTL	2447272			Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R9	53.4	56.71	90	0603	100K	Multicomp	MC01W08051100K	9332405			Chip Resistor; Thick Film; 100k; 150V; 0805; 100mW
Non-surface mount components:											
BAT						Keystone	593 + 594	723988			Battery Contact, PP3 (9V), Snap Contact, Steel, Nickel Plated
X1						IMS	42.2510.009		112-3794		Straight 50Ω Through Hole SMA Connector
S1						Multicomp	MCDTS6-1N	9471685			Switch, SPST, 0.05A, 12VDC, 160gf
S2						Multicomp	MCDTS6-1N	9471685			Switch, SPST, 0.05A, 12VDC, 160gf
S3						Multicomp	MCDTS6-1N	9471685			Switch, SPST, 0.05A, 12VDC, 160gf
S4						Multicomp	MCDTS6-1N	9471685			Switch, SPST, 0.05A, 12VDC, 160gf
S5						Multicomp	MCDTS6-1N	9471685			Switch, SPST, 0.05A, 12VDC, 160gf