

LMG1025_Flasher_Shield

Name	X	Y	Angle	Package	Value	Farnell / Element 14	Comments
FD1	2.29	52.45		0 FIDUCIAL			
FD2	44.45	1.02		0 FIDUCIAL			
B1	7.25	7.25	45		MS621FE-FL11E	1614634	Rechargeable 3V 6.8mm Coin Cell Seiko MS621FE-FL11E
C1	23.24	28.58	0	0805	10nF	2496939	SMD Capacitor 10nF 50V 0805 +/-10% X7R
C2	23.24	26.42	0	0805	10uF	1759421	SMD Capacitor 10uF 10V 0805 +80% -20% Y5V
C3	23.24	22.1	0	0805	10nF	2496939	SMD Capacitor 10nF 50V 0805 +/-10% X7R
C4	23.24	19.81	0	0805	10uF	1759421	SMD Capacitor 10uF 10V 0805 +80% -20% Y5V
C5	23.24	15.62	0	0805	10nF	2496939	SMD Capacitor 10nF 50V 0805 +/-10% X7R
C6	23.24	13.34	0	0805	10uF	1759421	SMD Capacitor 10uF 10V 0805 +80% -20% Y5V
C7	31.37	29.34	180	0805	0.1uF	2496944	SMD Capacitor 100nF 50V 0805 +/-10% X7R
C8	10.92	7.11	0	0603	1.0uF	1327684	SMD Capacitor 1uF 10V 0603 +/-10% X5R
C9	31.37	8.38	0	0805	10nF	2496939	SMD Capacitor 10nF 50V 0805 +/-10% X7R
D1	14.99	9.02	0	SOD-323	PMEG4005EJ	1757776	Schottky Rectifier 40V 500mA Nexperia PMEG4005EJ
D2	29.21	23.5	270	SOD-323	PMEG4005EJ	1757776	Schottky Rectifier 40V 500mA Nexperia PMEG4005EJ
K1	5.84	27.79	270		TLP3475		Toshiba TLP3475 Photorelay (not TLP3475R) Mouser: 757-TLP3475TPF
K2	7.13	23.11	0		TLP3475		Toshiba TLP3475 Photorelay (not TLP3475R) Mouser: 757-TLP3475TPF
K3	11.58	20.19	0		TLP3475		Toshiba TLP3475 Photorelay (not TLP3475R) Mouser: 757-TLP3475TPF
K4	15.64	21.21	0		TLP3475		Toshiba TLP3475 Photorelay (not TLP3475R) Mouser: 757-TLP3475TPF
L1	31.37	11.43	0	0805	0805HT-33NTGLB	2286465	Surface Mount High Frequency Inductor; 0805; 33 nH; 600 mA
R1	11.56	29.85	0	0805			Select on test: suggested value 10R
R2	9.14	28.32	90	0805			Select on test: suggested value 18R
R3	9.14	25.15	90	0805			Select on test: suggested value 22R
R4	11.56	23.5	180	0805			Select on test: suggested value 27R
R5	14.86	24.38	225	0805			Select on test: suggested value 33R
R6	3.68	24.89	270	0603	1K	2447272	SMD Chip Resistor; Thick Film; 1k; 75V; 0603; 100mW
R7	6.73	19.43	270	0603	1K	2447272	SMD Chip Resistor; Thick Film; 1k; 75V; 0603; 100mW
R8	11.18	16.51	270	0603	1K	2447272	SMD Chip Resistor; Thick Film; 1k; 75V; 0603; 100mW
R9	15.24	17.53	270	0603	1K	2447272	SMD Chip Resistor; Thick Film; 1k; 75V; 0603; 100mW
R10	10.92	9.02	0	0603	1k	2447272	SMD Chip Resistor; Thick Film; 1k; 75V; 0603; 100mW
R11	28.83	14.61	90	0805	10R	1469859	SMD Chip Resistor; Thick Film; 10 ohm; 150V; 0805; 100mW
R12	38.1	31.5	270	0603	10K	2447230	SMD Chip Resistor; Thick Film; 10K; 75V; 0603; 100mW
R13	38.1	45.21	90	0603	1K	2447272	SMD Chip Resistor; Thick Film; 1k; 75V; 0603; 100mW
R14	40.64	45.21	90	0603	100R	2447227	SMD Chip Resistor; Thick Film; 100 ohm; 75V; 0603; 100mW
U1	16.13	37.85	270	WSOIC-16	DS1023S-25+	2516605	Maxim Delay Line; 256 taps; 250ps delay/tap
U2	15.24	29.34	135	LMG1025	LMG1025		TI LMG1025: https://www.ti.com/product/LMG1025-Q1
U3	35.61	21.79	90	MAX-M8	MAX-M8		u-blox MAX-M8Q GNSS module: https://www.u-blox.com/en/product/max-m8-series
U4	35.18	30.87	0	SOT23-5	74AHCT1G125DBV	1085267	Buffer / Line Driver