

Part	X	X (Mirrored)	Y	Angle	Angle (Mirrored)	Package	Value	Manufacturer	Manufacturer Part No	Farnell Part No	Mouser Part No	Description
Dimensions	43.00		43.00									
Fiducials - for solder paste mask alignment:												
FD1	2.54	40.46	40.64	0								Fiducial 1mm
FD2	30.48	12.52	15.24	0								Fiducial 1mm
Surface Mount Components (Top):												
IC1	18.62		16.94	180		8-Lead SOIC_N (R-8)	ADT7310TRZ	Analog Devices	ADT7310TRZ	2067805	584-ADT7310TRZ-R7	Temperature Sensor IC, Digital, ± 0.5°C, -55 °C, +150 °C
Surface Mount Components (Bottom):												
C1	24.77	18.23	24.26	270		0805	10nF	Walsin	0805B103K500CT	2496939		MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
C2	29.08	13.92	29.46	180		0805	10uF	Walsin	0805F106Z100CT	2496998		MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C3	6.48	36.52	31.75	0		0805	10nF	Walsin	0805B103K500CT	2496939		MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
C4	12.57	30.43	24.38	90		0805	10uF	Walsin	0805F106Z100CT	2496998		MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C5	8	35.00	18.41	0		0805	10nF	Walsin	0805B103K500CT	2496939		MultiLayer Ceramic Capacitor; 10nF; 50V; 0805; X7R
C6	8	35.00	16.26	0		0805	10uF	Walsin	0805F106Z100CT	2496998		MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C17	11.94	31.06	13.59	0		0603	10nF	Walsin	0201B103K100CT	2496756		MultiLayer Ceramic Capacitor; 10nF; 10V; 0603; X7R
C18	24.77	18.23	32.89	0		0805	10uF	Walsin	0805F106Z100CT	2496998		MultiLayer Ceramic Capacitor; 10uF; 10V; 0805
C19	32.26	10.74	32.77	180		0603	1uF	Walsin	0603X105K100CT	2496916		MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R
D4	27.81	15.19	32.64	90		0603	CD0603-B00340	Bourns	CD0603-B00340	1456534		Small Signal Schottky Diode, 40 V, 370 mV, 500 mA
IC2	38.61	4.39	30.86	270		SOT23-5	DS28CM00R-A00+T	Maxim	DS28CM00R-A00+T	2514574	700-DS28CM00R-A00T	Maxim (Dallas Semi) I2C/SMBus Silicon Serial Number
IC8	26.29	16.71	38.48	180		TSSOP20	TXB0108PWR	Texas Inst.	TXB0108PWR	1494945		Voltage Level Translator; 8 Input; TSSOP-20
J1	36.2	6.80	38.1	0				Samtec				
K1	23.85	19.15	20.55	315				Toshiba	TLP3475RTPF		757-TLP3475TPF	Toshiba TLP3475 Photorelay (not TLP3475R)
K2	18.65	24.35	18.03	0				Toshiba	TLP3475RTPF		757-TLP3475TPF	Toshiba TLP3475 Photorelay (not TLP3475R)
K3	13.56	29.44	20.48	45				Toshiba	TLP3475RTPF		757-TLP3475TPF	Toshiba TLP3475 Photorelay (not TLP3475R)
K4	12.57	30.43	27.83	90				Toshiba	TLP3475RTPF		757-TLP3475TPF	Toshiba TLP3475 Photorelay (not TLP3475R)
R1	21.72	21.28	26.29	45		0805						Select on test: suggested value 10R
R2	21.72	21.28	22.61	135		0805						Select on test: suggested value 18R
R3	18.67	24.33	20.96	180		0805						Select on test: suggested value 22R
R4	15.62	27.38	22.61	225		0805						Select on test: suggested value 27R
R5	15.62	27.38	26.29	315		0805						Select on test: suggested value 33R
R6	28.07	14.93	19.69	180		0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R7	19.94	23.06	14.61	180		0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R8	13.21	29.79	16.38	270		0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R9	9.14	33.86	29.21	90		0603	1K	Multicomp	MCWR06X1001FTL	2447272		Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW
R10	29.59	13.41	32.64	90		0603	100K	Multicomp	MCWR06X1002FTL	2447230		Chip Resistor; Thick Film; 10k; 50V; 0603; 100mW
R11	39.5	3.50	27.69	180		0603	2K2	Multicomp	MCWR06X2201FTL	2447320		Chip Resistor; Thick Film; 2.2k; 50V; 0603; 100mW
R12	41.4	1.60	31.24	270		0603	2K2	Multicomp	MCWR06X2201FTL	2447320		Chip Resistor; Thick Film; 2.2k; 50V; 0603; 100mW
R21	7.49	35.51	39.75	180		0603	0R	Multicomp	MCMR06X000PTL	2073345		SMD Chip Resistor, 0 ohm, 75 V, 0603, 100 mW
R22	35.43	7.57	24.51	270		0603	0R	Multicomp	MCMR06X000PTL	2073345		SMD Chip Resistor, 0 ohm, 75 V, 0603, 100 mW
R23	18.41	24.59	6.73	270		0603	0R	Multicomp	MCMR06X000PTL	2073345		SMD Chip Resistor, 0 ohm, 75 V, 0603, 100 mW
U1	16.64	26.36	36.2	270		WSOIC-16	DS1023-25	Maxim	DS1023S-25+	2516605	700-DS1023S-25	Delay Line; 256 taps; 250ps delay/tap; WSOIC-16
U2	18.54	24.46	28.19	180		LMG1025	LMG1025					TI LMG1025: <a href="https://www.ti.com/product/LMG1025-Q1">https://www.ti.com/product/LMG1025-Q1</a>
U3	24.89	18.11	29.21	0		SOT23-5	SPX3819-3.3	Exar	SPX3819M5-L-3-3/TR		701-SPX3819M5-L-33TR	LDO Voltage Regulator; 500mA; SOT-23-5
Non-surface mount components:												
LED								Bivar	UV3TZ-400-15			Ultraviolet LED, 3mm, 10mW, 400nm, 15 deg, 3.3V, 20mA Max, RS Part: 713-5021P