



Bill of Materials

TI DESIGNS

TIPD178: Window Comparator Reference Design

Quantity	Designator	Value	Description	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number
1	C1	10uF	CAP TANT 10UF 50V 10% 2917	AVX	TPSE106K050R0500	Digikey	478-2424-1-ND
1	C2	1uF	CAP CER 1UF 50V X7R 0603	Taiyo Yuden	UMK107AB7105KA-T	Digikey	587-3247-1-ND
5	C3, C5, C8, C9, C10	0.1uF	CAP CER 0.1UF 50V X7R 0603	AVX	06035C104KAT2A	Digikey	478-5052-1-ND
1	C4	100pF	CAP CER 100PF 50V NP0 0603	AVX	06035A101JAT2A	Digikey	478-1175-1-ND
1	VCC	N/A	JACK NON-INSULATED .218"	Keystone	575-4	Digikey	36-575-4-ND
1	GND	N/A	JACK NON-INSULATED .218"	Keystone	575-4	Digikey	36-575-4-ND
1	J3	N/A	CONN HEADER .100 SINGL STR 3POS	Sullins Connector Solutions	PEC03SAAN	Digikey	S1012E-03-ND
3	R1, R2, R3	10.0k	RES SMD 10K OHM 0.1% 1/10W 0603	Susumu Co Ltd	RG1608P-103-B-T5	Digikey	RG16P10.0KBCT-ND
1	R6	0	RES SMD 0.0OHM JUMPER 1/10W 0603	Panasonic	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND
1	Rp1	5.1k	RES SMD 5.1K OHM 5% 1/2W 2010	Rohm	MCR50JZHJ512	Digikey	RHM5.1KBGCT-ND
1	VCC	Red	TEST POINT PC MINI .040"D RED	Keystone	5000	Digikey	36-5000-ND
9	GND	Black	TEST POINT PC MINI .040"D BLACK	Keystone	5001	Digikey	36-5001-ND
1	Pull-up	Yellow	TEST POINT PC MINI .040"D YELLOW	Keystone	5004	Digikey	36-5004-ND
1	Vin	Yellow	TEST POINT PC MINI .040"D YELLOW	Keystone	5004	Digikey	36-5004-ND
1	Vout1	White	TEST POINT PC MINI .040"D WHITE	Keystone	5002	Digikey	36-5002-ND
1	U1	N/A	IC COMPARATOR DUAL 8VSSOP	Texas Instruments	TLV1702AIDGK	Digikey	296-37236-1-ND
4	N/A	N/A	HEX STANDOFF 4-40 ALUMINUM 1"	Keystone	2205	Digikey	36-2205-ND
4	N/A	N/A	MACHINE SCREW PAN PHILLIPS 4-40	B&F Fastener Supply	PMSSS 440 0025 PH	Digikey	H703-ND