





















Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Link
CAP CER 1UF 25V X7R 0603	C201	TDK-CGA3E	PC-TDK-02603	1	Digi-key	http://www.digikey.ca/product- search/en?keywords=445-6931-1-ND
CAP CER 0.1UF 50V X7R 0402	C202, C204	TDK-CGA2B	PC-TDK-02259	2	Digi-key	http://www.digikey.ca/product- search/en?keywords=445-6899-1-ND
CAP CER 10UF 25V X7R 1206	C203	TDK-CGA5L	PC-TDK-02917	1	Digi-key	http://www.digikey.ca/product- search/en?keywords=445-6990-1-ND
CAP CER 0.1UF 35V X7R 0402, CAP CER 0.1UF 50V X7R 0402, CAP CER 100PF 50V COG 0402	C301, C401_PV1, C401_PV2, C401_PV3, C402_PV1, C402_PV2, C402_PV3, C501_T1, C501_T2, C501_T3	TDK-CGA2B	PC-TDK-02255, PC- TDK-02259, PC-TDK- 01227	10	Digi-key	http://www.digikey.ca/product- search/en?keywords=445-6901-1-ND, http://www.digikey.ca/product- search/en?keywords=445-6899-1-ND, http://www.digikey.ca/product- search/en?keywords=445-5596-1-ND
SENSOR PHOTODIODE 850NM 2SMD GW	D401_PV1, D401_PV2, D401_PV3	PDB-C160SM	PXX-ADP-00000	3	Digi-key	
SCHOTTKY BARRIER RECTIFIERS 4.0 AMPERES, 10 VOLTS, V_F = 0.31V	D601, D602, D603	ONS-875	PXX-ONS-00003	3	Digi-key	#https://www.digikey.com/product-detail/en/on- semiconductor/MBRS410LT3G/MBRS410LT3GOSCT- ND/1967073#
CMOS Amplifier 2 Circuit Rail-to-Rail 8-WSON (2x2)	OP301	TI-DSG0008A	73	1	Digi-Key	#https://www.digikey.ca/product-detail/en/texas- instruments/OPA2333PIDSGR/296-51501-1- ND/9745865#
Depolyable Hinge Mounting hole.	P701, P702	DepHinge_Mounting_ Hole	PXX-ABS-00003	2	N/A	
Hardware for depressing the switch	P703, P704	Switch_Depressor	PXX-ABS-00005	2	Digi-key	
CONN HEADER SMD R/A 10POS 1.5MM	P801	MOLX-5040501091	69	1	Digi-Key	#https://www.digikey.ca/product- detail/en/molex/5040501091/WM10138CT- ND/4357655#
	PV601, PV602, PV603, PV604, PV605, PV606	XTJ Prime	PBT-SPEC-00002	6	Spectrolab	
RES SMD 6.2K OHM 0.1% 1/16W 0402, RES SMD 24K OHM 0.1% 1/16W 0402	R301, R306, R401_PV1, R401_PV2, R401_PV3	PANA-ERA2A	16853, 17830	5	Digi-Key	http://www.digikey.ca/product- search/en?keywords=P6.2KCNCT-ND, http://www.digikey.ca/product- search/en?keywords=P24KCNCT-ND
RES SMD 1M OHM 0.1% 1/8W 0805, RES SMD 845K OHM 0.1% 1/8W 0805	R302, R304, R305, R307	PANA-ERA6A	19706, 19643	4	Digi-Key	http://www.digikey.ca/product- search/en?keywords=P1MDACT-ND, http://www.digikey.ca/product- search/en?keywords=P845KDACT-ND
RES SMD 0.01 OHM 0.1% 1W 2512	R303	VSH-2512R4C	PR-VSH-00237	1	Digi-key	http://www.digikey.ca/product- search/en?keywords=Y148701-ND
PC TEST POINT MINI SMD	TP101, TP102, TP103, TP104, TP105, TP106, TP107, TP108	KS-5017	PTP-KS-00001	8	Digi-key	http://www.digikey.ca/product-detail/en/keystone- electronics/5017/36-5017TR-ND/2217304
IC ADC 12BIT SAR 20LFCSP-WQ	U201	ADI-CP-20-8	PU-ADI-00007	1	Digi-key	#https://www.digikey.ca/product-detail/en/analog-devices-inc/AD7298BCPZ/AD7298BCPZ-ND/2507320#
Temperature Sensor Analog, Local - 55°C ~ 150°C 5.194mV/°C 4-DSBGA (0.81x0.81)	U501_T1, U501_T2, U501_T3	TI-YFQ0004	70	3	Digi-Key	#https://www.digikey.ca/product-detail/en/texas- instruments/LMT70YFQR/296-47337-1-ND/7688347#



