

Bill of Materials		MCP9604 4 Ch Thermocouple Eval Bd.	
Part Number: EV19L27A Assy Number: 02-00973 PCB Number: 04-12044 Assy Revision: 3 Creation Date: 6/6/2025 			
Designator	Description	Manufacturer	Part Number
+3.3V, +5V USB, Alert 1, Alert 2, Alert 3, Alert 4, GND, SCL, SDA, TP1, TP2	CON TP LOOP Silver 0.38 SMD	Keystone Electronics Keystone Electronics	5018
C1, C2, C3, C6, C7, C8, C9	CAP CER 0.1uF 50V 10% X7R SMD 0805	KEMET	C0805C104K5RACTU
		KYOCERA AVX	08055C104KAT2A
		Taiyo Yuden	UMK212BJ104KG-T
		Yageo	CC0805KRX7R9BB104
		KEMET	C0805C104M5RAC
		Samsung Electro-Mechanics	CL21B104KBCNNNC
C4, C5	CAP CER 10uF 6.3V 20% X5R SMD 0805	Murata	GRM21BR60J106ME19L
		Taiyo Yuden	JMK212BJ106MG-T
		Würth Elektronik	885012107004
		Panasonic - ECG	ECJ-CV50J106M
CBL1	MECH HW CABLE USB 3.1 MALE A-TYPEC MALE 1 METER	Assmann WSW	A-USB31C-31A-100
		Stewart Connector	SC-3CAK010M
D1, D2, D3, D4	TVS DIODE 5.5V SOT143B	Nexperia USA Inc.	PRTR5V0U2X,215
FB1	FERRITE 2A 220R SMD 0805	Murata	BLM21PG221SN1D
FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9	FERRITE 150R@100MHz 800mA SMD 0805	Würth Elektronik	742792022
J1	CON USB 3.2 TID TYPE-C Female Hybrid R/A	Laird	LI0805H151R-10
PAD1, PAD2, PAD3, PAD4	MECH HW RUBBER PAD CYLINDRICAL D7.9 H5.3 BLACK	Amphenol ICC (FCI)	10137062-00021LF
R1, R2	RES TF 4.99k 1% 1/8W SMD 0805 AEC-Q200	3M	SJ61A11
		Panasonic	ERJ-6ENF4991V
		Stackpole Electronics Inc	RMCF0805FT4K99
R3	RES 2.49M OHM 1% 1/8W 0805	Vishay	CRCW08054K99FKEB
R4	RES 523K OHM 1% 1/10W 0805 AEC-Q200	Yageo	RC0805FR-072M49L
R5, R6, R10, R11, R15, R17, R22, R23	RES 523K OHM 1% 1/10W 0805 AEC-Q200	Panasonic Electronic Components	ERA-6AEB5233V
R7, R12, R18, R24	RES TKF 100R 1% 1/8W SMD 0805	Vishay	CRCW0805100RFKEAC
R8, R9	RES SMD 487K OHM 1% 1/10W 0603 Automotive AEC-Q200	Panasonic	ERJ-3EKF4873V
		Yageo	RC0603FR-075K11L
R25	RES TKF 100k 5% 1/8W SMD 0805	Panasonic	ERJ-6GEYJ104V
		Stackpole Electronics Inc	RMCF0805JT100K
		Yageo	RC0805JR-07100KL
TC1, TC2, TC3, TC4	SENSOR ACCESSORY THERMOCOUPLE MINI CONNECTOR TYPE K TH R/A	SparkFun Electronics	PRT-13612
		Omega	PCC-SMP-K-100
Microchip Parts			
U1	MCHP ANALOG LDO 3.3V MCP1825ST-3302E/DB SOT-223-3	Microchip	MCP1825ST-3302E/DB
		Microchip	MCP1825S-3302E/DB
U3	MCHP MCU 8-BIT 48MHz 32kB 2kB PIC18LF25K50-I/ML QFN-28	Microchip Technology	PIC18LF25K50-I/ML
U2	MCP9604-E/3YW VFLGA-24	Microchip Technology	MCP9604-E/3YW
Mechanical Parts			
LABEL1	LABEL PCBA 18x6mm Datamatrix Assy# / Rev / Serial / Date	ACT Logimark AS	505462
		Sunrise Paper (M) Sdn Bhd	037268-5
		Raynen	10010407
Do Not Populate Parts (DNP)			
J11, J12	CON HDR-2.54 MALE 1x6 GOLD 6.10MH TH R/A	3M	961106-5604-AR