

Designator	Quantity	Manufacturer	Manufacturer Part Number	Name	Supplier	Supplier Part Number
C1, C2, C3, C4, C5, C6	6	TDK Corporation	C1608X7R1E103K080AA	CAP CER 10000PF 25V 10% X7R 0603	Digikey	445-5100-1-ND
C7, C8, C9, C10, C11,	7	TDK Corporation	C1608X7R1C105K080AC	CAP CER 1UF 16V 10% X7R 0603	Digikey	445-1604-1-ND
C12, C13						
DS1	1	LiteOn	LTST-C190KGKT	Green LED 20mA 2V Vf	Digikey	160-1435-1-ND
H1, H2	2	Sullins Interconnect	PPTC121LFBN-RC	CONN HEADER FEM 12POS .1" SGL TIN	Digikey	S6100-ND
J1, J2	2	Omega	PCC-SMP-K	K Type Thermocouple Mini Horizontal TH Connector	Newark	01H0905
J3, J4	2	CUI Inc	MJ-2509N	3/32" Mono Audio Jack Right Angle TH	Digikey	CP-M2509N-ND
R1, R8, R9, R18	4	Vishay	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD	Digikey	541-100KHCT-ND
R2, R7, R10, R15	4	Vishay	CRCW060322K0FKEA	RES 22.0K OHM 1/10W 1% 0603 SMD	Digikey	541-22.0KHCT-ND
R3, R5, R11, R13, R19	5	Vishay	CRCW06031K00FKEA	RES 1.00K OHM 1/10W 1% 0603 SMD	Digikey	541-1.00KHCT-ND
R4, R6, R12, R14, R16,	6	Vishay	CRCW060310K0FKEA	RES 10.0K OHM 1/10W 1% 0603 SMD	Digikey	541-10.0KHCT-ND
R17						
TB1, TB2	2	On Shore Technology	OSTTE120104	TERMINAL BLOCK 3.5MM 12POS PCB	Digikey	ED2737-ND
U1, U2	2	Texas Instruments	OPA2376AIDR	IC Op Amp Dual GBP 5.5MHz 8SOIC	Digikey	296-22564-1-ND
U3	1	Microchip	TC1046VNBTR	Precision Temperature Sensing IC	Digikey	TC1046VNBTRCT-ND
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	C1, C2, C3, C4, C5, C6 C7, C8, C9, C10, C11, C12, C13 DS1 H1, H2 J1, J2 J3, J4 R1, R8, R9, R18 R2, R7, R10, R15 R3, R5, R11, R13, R19 R4, R6, R12, R14, R16, R17 TB1, TB2 U1, U2	C1, C2, C3, C4, C5, C6 6 C7, C8, C9, C10, C11, C12, C13 DS1 1 H1, H2 2 J1, J2 2 J3, J4 2 R1, R8, R9, R18 4 R2, R7, R10, R15 4 R3, R5, R11, R13, R19 5 R4, R6, R12, R14, R16, R17 TB1, TB2 2 U1, U2 2	C1, C2, C3, C4, C5, C6 6 TDK Corporation C7, C8, C9, C10, C11, C12, C13 DS1 1 LiteOn H1, H2 2 Sullins Interconnect J1, J2 2 Omega J3, J4 2 CUI Inc R1, R8, R9, R18 4 Vishay R2, R7, R10, R15 4 Vishay R3, R5, R11, R13, R19 5 Vishay R4, R6, R12, R14, R16, R17 TB1, TB2 2 On Shore Technology U1, U2 Texas Instruments	C1, C2, C3, C4, C5, C6 6 TDK Corporation C1608X/R1E103K080AA C7, C8, C9, C10, C11, 7 TDK Corporation C1608X/R1C105K080AC C12, C13 DS1 1 LiteOn LTST-C190KGKT H1, H2 2 Sullins Interconnect PPTC121LFBN-RC J1, J2 2 Omega PCC-SMP-K J3, J4 2 CUI Inc MJ-2509N R1, R8, R9, R18 4 Vishay CRCW0603100KFKEA R2, R7, R10, R15 4 Vishay CRCW060322K0FKEA R3, R5, R11, R13, R19 5 Vishay CRCW06031K00FKEA R4, R6, R12, R14, R16, R17 6 Vishay CRCW060310K0FKEA R17 TB1, IB2 2 On Shore Technology OSTTE120104 U1, U2 2 Texas Instruments OPA2376AIDR	C1, C2, C3, C4, C5, C6 6 TDK Corporation C1608X/R1E103K080AA CAP CER 10000PF 25V 10% X/R 0603 C7, C8, C9, C10, C11, C13 7 TDK Corporation C1608X/R1C105K080AC CAP CER 1UF 16V 10% X/R 0603 DS1 1 LiteOn LTST-C190KGKT Green LED 20mA 2V Vf H1, H2 2 Sullins Interconnect PPTC121LFBN-RC CONN HEADER FEM 12POS .1" SGL TIN J1, J2 2 Omega PCC-SMP-K K Type Thermocouple Mini Horizontal TH Connector J3, J4 2 CUI Inc MJ-2509N 3/32" Mono Audio Jack Right Angle TH R1, R8, R9, R18 4 Vishay CRCW0603100KFKEA RES 100K OHM 1/10W 1% 0603 SMD R2, R7, R10, R15 4 Vishay CRCW0603100KFKEA RES 2.0K OHM 1/10W 1% 0603 SMD R4, R6, R12, R14, R16, R17 6 Vishay CRCW060310K0FKEA RES 1.00K OHM 1/10W 1% 0603 SMD R11, TB2 2 On Shore Technology OSTTE120104 TERMINAL BLOCK 3.5MM 12POS PCB U1, U2 2 Texas Instruments OPA2376AIDR IC Op Amp Dual GBP 5.5MHz 8SOIC	C1, C2, C3, C4, C5, C6 6 TDK Corporation C1608X7R1E103K080AA CAP CER 10000PF 25V 10% X7R 0603 Digikey C7, C8, C9, C10, C11, T TDK Corporation C1608X7R1C105K080AC CAP CER 1UF 16V 10% X7R 0603 Digikey C12, C13 DS1 1 LiteOn LTST-C190KGKT Green LED 20mA 2V Vf Digikey H1, H2 2 Sullins Interconnect PPTC12LFBN-RC CONN HEADER FEM 12POS .1" SGL TIN Digikey J1, J2 2 Omega PCC-SMP-K K Type Thermocouple Mini Horizontal TH Connector Newark J3, J4 2 CUI Inc MJ-2509N 3/32" Mono Audio Jack Right Angle TH Digikey R1, R8, R9, R18 4 Vishay CRCW0603100KFKEA RES 100K OHM 1/10W 1% 0603 SMD Digikey R2, R7, R10, R15 4 Vishay CRCW060322K0FKEA RES 20K OHM 1/10W 1% 0603 SMD Digikey R4, R6, R12, R14, R16, 6 Vishay CRCW060310K0FKEA RES 1.00K OHM 1/10W 1% 0603 SMD Digikey R4, R6, R12, R14, R16, 6 Vishay CRCW060310K0FKEA RES 1.00K OHM 1/10W 1% 0603 SMD Digikey R4, R6, R12, R14, R16, 6 Vishay CRCW060310K0FKEA RES 1.00K OHM 1/10W 1% 0603 SMD Digikey R4, R6, R12, R14, R16, 6 Vishay CRCW060310K0FKEA RES 1.00K OHM 1/10W 1% 0603 SMD Digikey R4, R6, R12, R14, R16, 6 Vishay CRCW060310K0FKEA RES 1.00K OHM 1/10W 1% 0603 SMD Digikey R5, R17 R1, R18 L2 2 On Shore Technology OSTIE 120104 TERMINAL BLOCK 3.5MM 12POS PCB Digikey U1, U2 2 Texas instruments OPA2376AIDR IC Op Amp Dual GBP 5.5MHz 8SOIC Digikey