

Designator	Value	Description
C1	47uF 35v	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C1_CH1	10uF	Capacitor, Polyester
C1_CH2	10uF	Capacitor, Polyester
C1_CH3	10uF	Capacitor, Polyester
C1_CH4	10uF	Capacitor, Polyester
C2	47uF 35v	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C2_CH1	10uF	Capacitor, Polyester
C2_CH2	10uF	Capacitor, Polyester
C2_CH3	10uF	Capacitor, Polyester
C2_CH4	10uF	Capacitor, Polyester
C3	47uF 35v	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C4	47uF 35v	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C4_CH1	33pF	Capacitor, Silvered Mica
C4_CH2	33pF	Capacitor, Silvered Mica
C4_CH3	33pF	Capacitor, Silvered Mica
C4_CH4	33pF	Capacitor, Silvered Mica
C5	47uF 35v	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C5_CH1	1uF	Capacitor, Polyester
C5_CH2	1uF	Capacitor, Polyester
C5_CH3	1uF	Capacitor, Polyester
C5_CH4	1uF	Capacitor, Polyester
C6	47uF 35v	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C6_CH1	1uF	Capacitor, Polyester
C6_CH2	1uF	Capacitor, Polyester
C6_CH3	1uF	Capacitor, Polyester
C6_CH4	1uF	Capacitor, Polyester
C7_CH1	33pF	Capacitor, Silvered Mica
C7_CH2	33pF	Capacitor, Silvered Mica
C7_CH3	33pF	Capacitor, Silvered Mica
C7_CH4	33pF	Capacitor, Silvered Mica
C10	2.2uF	Capacitor, Polyester
C12	2.2uF	Capacitor, Polyester
C13	2.2uF	Capacitor, Polyester
C14	2.2uF	Capacitor, Polyester
C15	100nF	Capacitor (Semiconductor SIM Model)
C16	100nF	Capacitor (Semiconductor SIM Model)
C16_CH1	100nF	Capacitor (Semiconductor SIM Model)
C16_CH2	100nF	Capacitor (Semiconductor SIM Model)
C16_CH3	100nF	Capacitor (Semiconductor SIM Model)
C16_CH4	100nF	Capacitor (Semiconductor SIM Model)
C17	100nF	Capacitor (Semiconductor SIM Model)
C18	1uF	Solid Tantalum Chip Capacitor, Standard T491 Series - Ind
C21_CH1	100n	Capacitor, Polyester
C21_CH2	100n	Capacitor, Polyester
C21_CH3	100n	Capacitor, Polyester
C21_CH4	100n	Capacitor, Polyester
C22_CH1	100nF	Capacitor (Semiconductor SIM Model)
C22_CH2	100nF	Capacitor (Semiconductor SIM Model)
C22_CH3	100nF	Capacitor (Semiconductor SIM Model)
C22_CH4	100nF	Capacitor (Semiconductor SIM Model)
C23_CH1	10nF	Capacitor (Semiconductor SIM Model)
C23_CH2	10nF	Capacitor (Semiconductor SIM Model)
C23_CH3	10nF	Capacitor (Semiconductor SIM Model)
C23_CH4	10nF	Capacitor (Semiconductor SIM Model)
C24_CH1	47uF 35V	Polarized Capacitor (Surface Mount)

C24_CH2	47uF 35V	Polarized Capacitor (Surface Mount)
C24_CH3	47uF 35V	Polarized Capacitor (Surface Mount)
C24_CH4	47uF 35V	Polarized Capacitor (Surface Mount)
C25_CH1	100nF	Capacitor (Semiconductor SIM Model)
C25_CH2	100nF	Capacitor (Semiconductor SIM Model)
C25_CH3	100nF	Capacitor (Semiconductor SIM Model)
C25_CH4	100nF	Capacitor (Semiconductor SIM Model)
C26_CH1	47uF 35V	Polarized Capacitor (Surface Mount)
C26_CH2	47uF 35V	Polarized Capacitor (Surface Mount)
C26_CH3	47uF 35V	Polarized Capacitor (Surface Mount)
C26_CH4	47uF 35V	Polarized Capacitor (Surface Mount)
C27_CH1	100nF	Capacitor (Semiconductor SIM Model)
C27_CH2	100nF	Capacitor (Semiconductor SIM Model)
C27_CH3	100nF	Capacitor (Semiconductor SIM Model)
C27_CH4	100nF	Capacitor (Semiconductor SIM Model)
C34_CH1	100nF	Capacitor (Semiconductor SIM Model)
C34_CH2	100nF	Capacitor (Semiconductor SIM Model)
C34_CH3	100nF	Capacitor (Semiconductor SIM Model)
C34_CH4	100nF	Capacitor (Semiconductor SIM Model)
C35_CH1	100nF	Capacitor (Semiconductor SIM Model)
C35_CH2	100nF	Capacitor (Semiconductor SIM Model)
C35_CH3	100nF	Capacitor (Semiconductor SIM Model)
C35_CH4	100nF	Capacitor (Semiconductor SIM Model)
C36_CH1	100nF	Capacitor (Semiconductor SIM Model)
C36_CH2	100nF	Capacitor (Semiconductor SIM Model)
C36_CH3	100nF	Capacitor (Semiconductor SIM Model)
C36_CH4	100nF	Capacitor (Semiconductor SIM Model)
C37_CH1	100nF	Capacitor (Semiconductor SIM Model)
C37_CH2	100nF	Capacitor (Semiconductor SIM Model)
C37_CH3	100nF	Capacitor (Semiconductor SIM Model)
C37_CH4	100nF	Capacitor (Semiconductor SIM Model)
C40_CH1	100nF	Capacitor, Ceramic
C40_CH2	100nF	Capacitor, Ceramic
C40_CH3	100nF	Capacitor, Ceramic
C40_CH4	100nF	Capacitor, Ceramic
C43_CH1	100nF	Capacitor, Ceramic
C43_CH2	100nF	Capacitor, Ceramic
C43_CH3	100nF	Capacitor, Ceramic
C43_CH4	100nF	Capacitor, Ceramic
C44_CH1	100nF	Capacitor, Ceramic
C44_CH2	100nF	Capacitor, Ceramic
C44_CH3	100nF	Capacitor, Ceramic
C44_CH4	100nF	Capacitor, Ceramic
C47_CH1	100nF	Capacitor, Ceramic
C47_CH2	100nF	Capacitor, Ceramic
C47_CH3	100nF	Capacitor, Ceramic
C47_CH4	100nF	Capacitor, Ceramic
C48_CH1	100nF	Capacitor (Semiconductor SIM Model)
C48_CH2	100nF	Capacitor (Semiconductor SIM Model)
C48_CH3	100nF	Capacitor (Semiconductor SIM Model)
C48_CH4	100nF	Capacitor (Semiconductor SIM Model)
C50_CH1	100nF	Capacitor (Semiconductor SIM Model)
C50_CH2	100nF	Capacitor (Semiconductor SIM Model)
C50_CH3	100nF	Capacitor (Semiconductor SIM Model)
C50_CH4	100nF	Capacitor (Semiconductor SIM Model)
C51_CH1	10nF	Capacitor (Semiconductor SIM Model)

C51_CH2	10nF	Capacitor (Semiconductor SIM Model)
C51_CH3	10nF	Capacitor (Semiconductor SIM Model)
C51_CH4	10nF	Capacitor (Semiconductor SIM Model)
C52_CH1	47uF 35V	Polarized Capacitor (Surface Mount)
C52_CH2	47uF 35V	Polarized Capacitor (Surface Mount)
C52_CH3	47uF 35V	Polarized Capacitor (Surface Mount)
C52_CH4	47uF 35V	Polarized Capacitor (Surface Mount)
C53_CH1	100nF	Capacitor (Semiconductor SIM Model)
C53_CH2	100nF	Capacitor (Semiconductor SIM Model)
C53_CH3	100nF	Capacitor (Semiconductor SIM Model)
C53_CH4	100nF	Capacitor (Semiconductor SIM Model)
C54_CH1	100nF	Capacitor (Semiconductor SIM Model)
C54_CH2	100nF	Capacitor (Semiconductor SIM Model)
C54_CH3	100nF	Capacitor (Semiconductor SIM Model)
C54_CH4	100nF	Capacitor (Semiconductor SIM Model)
C55_CH1	47uF 35V	Polarized Capacitor (Surface Mount)
C55_CH2	47uF 35V	Polarized Capacitor (Surface Mount)
C55_CH3	47uF 35V	Polarized Capacitor (Surface Mount)
C55_CH4	47uF 35V	Polarized Capacitor (Surface Mount)
C56_CH1	100nF	Capacitor (Semiconductor SIM Model)
C56_CH2	100nF	Capacitor (Semiconductor SIM Model)
C56_CH3	100nF	Capacitor (Semiconductor SIM Model)
C56_CH4	100nF	Capacitor (Semiconductor SIM Model)
C57_CH1	100n	Capacitor, Polyester
C57_CH2	100n	Capacitor, Polyester
C57_CH3	100n	Capacitor, Polyester
C57_CH4	100n	Capacitor, Polyester
C70_CH1	10uF	Capacitor, Polyester
C70_CH2	10uF	Capacitor, Polyester
C70_CH3	10uF	Capacitor, Polyester
C70_CH4	10uF	Capacitor, Polyester
C71_CH1	10uF	Capacitor, Polyester
C71_CH2	10uF	Capacitor, Polyester
C71_CH3	10uF	Capacitor, Polyester
C71_CH4	10uF	Capacitor, Polyester
C72_CH1	10uF	Capacitor, Polyester
C72_CH2	10uF	Capacitor, Polyester
C72_CH3	10uF	Capacitor, Polyester
C72_CH4	10uF	Capacitor, Polyester
C73_CH1	10uF	Capacitor, Polyester
C73_CH2	10uF	Capacitor, Polyester
C73_CH3	10uF	Capacitor, Polyester
C73_CH4	10uF	Capacitor, Polyester
C74_CH1	10uF	Capacitor, Polyester
C74_CH2	10uF	Capacitor, Polyester
C74_CH3	10uF	Capacitor, Polyester
C74_CH4	10uF	Capacitor, Polyester
C75_CH1	10uF	Capacitor, Polyester
C75_CH2	10uF	Capacitor, Polyester
C75_CH3	10uF	Capacitor, Polyester
C75_CH4	10uF	Capacitor, Polyester
C76_CH1	10uF	Capacitor, Polyester
C76_CH2	10uF	Capacitor, Polyester
C76_CH3	10uF	Capacitor, Polyester
C76_CH4	10uF	Capacitor, Polyester
C77_CH1	10uF	Capacitor, Polyester

C77_CH2	10uF	Capacitor, Polyester
C77_CH3	10uF	Capacitor, Polyester
C77_CH4	10uF	Capacitor, Polyester
C78_CH1	10uF	Capacitor, Polyester
C78_CH2	10uF	Capacitor, Polyester
C78_CH3	10uF	Capacitor, Polyester
C78_CH4	10uF	Capacitor, Polyester
C79_CH1	10uF	Capacitor, Polyester
C79_CH2	10uF	Capacitor, Polyester
C79_CH3	10uF	Capacitor, Polyester
C79_CH4	10uF	Capacitor, Polyester
C80_CH1	100nF	Capacitor (Semiconductor SIM Model)
C80_CH2	100nF	Capacitor (Semiconductor SIM Model)
C80_CH3	100nF	Capacitor (Semiconductor SIM Model)
C80_CH4	100nF	Capacitor (Semiconductor SIM Model)
C81_CH1	100nF	Capacitor (Semiconductor SIM Model)
C81_CH2	100nF	Capacitor (Semiconductor SIM Model)
C81_CH3	100nF	Capacitor (Semiconductor SIM Model)
C81_CH4	100nF	Capacitor (Semiconductor SIM Model)
C82_CH1	100nF	Capacitor (Semiconductor SIM Model)
C82_CH2	100nF	Capacitor (Semiconductor SIM Model)
C82_CH3	100nF	Capacitor (Semiconductor SIM Model)
C82_CH4	100nF	Capacitor (Semiconductor SIM Model)
C83_CH1	3.3uF	Capacitor, Polyester
C83_CH2	3.3uF	Capacitor, Polyester
C83_CH3	3.3uF	Capacitor, Polyester
C83_CH4	3.3uF	Capacitor, Polyester
C84_CH1	2.2uF	Capacitor, Polyester
C84_CH2	2.2uF	Capacitor, Polyester
C84_CH3	2.2uF	Capacitor, Polyester
C84_CH4	2.2uF	Capacitor, Polyester
C85_CH1	3.3uF	Capacitor, Polyester
C85_CH2	3.3uF	Capacitor, Polyester
C85_CH3	3.3uF	Capacitor, Polyester
C85_CH4	3.3uF	Capacitor, Polyester
C86_CH1	2.2uF	Capacitor, Polyester
C86_CH2	2.2uF	Capacitor, Polyester
C86_CH3	2.2uF	Capacitor, Polyester
C86_CH4	2.2uF	Capacitor, Polyester
C100_CH1	3n3	Capacitor, Polyester
C100_CH2	3n3	Capacitor, Polyester
C100_CH3	3n3	Capacitor, Polyester
C100_CH4	3n3	Capacitor, Polyester
C101_CH1	3n3	Capacitor, Polyester
C101_CH2	3n3	Capacitor, Polyester
C101_CH3	3n3	Capacitor, Polyester
C101_CH4	3n3	Capacitor, Polyester
C102_CH1	33pF	Capacitor, Silvered Mica
C102_CH2	33pF	Capacitor, Silvered Mica
C102_CH3	33pF	Capacitor, Silvered Mica
C102_CH4	33pF	Capacitor, Silvered Mica
C103_CH1	33pF	Capacitor, Silvered Mica
C103_CH2	33pF	Capacitor, Silvered Mica
C103_CH3	33pF	Capacitor, Silvered Mica
C103_CH4	33pF	Capacitor, Silvered Mica
C110_CH1	100nF	Capacitor (Semiconductor SIM Model)

C110_CH2	100nF	Capacitor (Semiconductor SIM Model)
C110_CH3	100nF	Capacitor (Semiconductor SIM Model)
C110_CH4	100nF	Capacitor (Semiconductor SIM Model)
C111_CH1	100nF	Capacitor (Ceramic)
C111_CH2	100nF	Capacitor (Ceramic)
C111_CH3	100nF	Capacitor (Ceramic)
C111_CH4	100nF	Capacitor (Ceramic)
D1		Diode
D1_CH1		Diode
D1_CH2		Diode
D1_CH3		Diode
D1_CH4		Diode
D2		Diode
D2_CH1		Diode
D2_CH2		Diode
D2_CH3		Diode
D2_CH4		Diode
D3		Diode
D4		Diode
D5		Diode
D6		Diode
D7		Diode
D8		Diode
D8_CH1		Diode
D8_CH2		Diode
D8_CH3		Diode
D8_CH4		Diode
D9		Diode
D10		Diode
D10_CH1		Diode
D10_CH2		Diode
D10_CH3		Diode
D10_CH4		Diode
D11		Diode
D13_CH1		Diode
D13_CH2		Diode
D13_CH3		Diode
D13_CH4		Diode
DS1		Typical RED GaAs LED
DS2		Typical RED GaAs LED
IC3_CH1		Precision, Very Low Noise Operational Amplifier
IC3_CH2		Precision, Very Low Noise Operational Amplifier
IC3_CH3		Precision, Very Low Noise Operational Amplifier
IC3_CH4		Precision, Very Low Noise Operational Amplifier
IC4_CH1		Precision, Very Low Noise Operational Amplifier
IC4_CH2		Precision, Very Low Noise Operational Amplifier
IC4_CH3		Precision, Very Low Noise Operational Amplifier
IC4_CH4		Precision, Very Low Noise Operational Amplifier
IC5_CH1		Precision, Very Low Noise Operational Amplifier
IC5_CH2		Precision, Very Low Noise Operational Amplifier
IC5_CH3		Precision, Very Low Noise Operational Amplifier
IC5_CH4		Precision, Very Low Noise Operational Amplifier
IC6_CH1		Precision, Very Low Noise Operational Amplifier
IC6_CH2		Precision, Very Low Noise Operational Amplifier
IC6_CH3		Precision, Very Low Noise Operational Amplifier
IC6_CH4		Precision, Very Low Noise Operational Amplifier

IC7_CH1		5A power op amp with enable pin and current limit
IC7_CH2		5A power op amp with enable pin and current limit
IC7_CH3		5A power op amp with enable pin and current limit
IC7_CH4		5A power op amp with enable pin and current limit
IC8_CH1		5A power op amp with enable pin and current limit
IC8_CH2		5A power op amp with enable pin and current limit
IC8_CH3		5A power op amp with enable pin and current limit
IC8_CH4		5A power op amp with enable pin and current limit
IC10_CH1		Low noise op-amp
IC10_CH2		Low noise op-amp
IC10_CH3		Low noise op-amp
IC10_CH4		Low noise op-amp
IC11_CH1		Low noise op-amp
IC11_CH2		Low noise op-amp
IC11_CH3		Low noise op-amp
IC11_CH4		Low noise op-amp
IC14_CH1		Low Noise, Precision, JFET-Input Operational Amplifier
IC14_CH2		Low Noise, Precision, JFET-Input Operational Amplifier
IC14_CH3		Low Noise, Precision, JFET-Input Operational Amplifier
IC14_CH4		Low Noise, Precision, JFET-Input Operational Amplifier
IC15_CH1		Low Noise, Precision, JFET-Input Operational Amplifier
IC15_CH2		Low Noise, Precision, JFET-Input Operational Amplifier
IC15_CH3		Low Noise, Precision, JFET-Input Operational Amplifier
IC15_CH4		Low Noise, Precision, JFET-Input Operational Amplifier
J1		Receptacle Assembly, 25 Position, Right Angle
J2		Receptacle Assembly, 9 Position, Right Angle
J3		Plug Assembly, Size 1, 9 Position, Right Angle, Tyco
J4		Receptacle Assembly, 15 Position, Right Angle
J5		Receptacle Assembly, 9 Position, Right Angle
J6		DB37 connector
J7		DB37 connector
J8		Plug Assembly, Size 1, 9 Position, Right Angle, Tyco
K2_CH1		DPDT PCB MOUNT RELAY
K2_CH2		DPDT PCB MOUNT RELAY
K2_CH3		DPDT PCB MOUNT RELAY
K2_CH4		DPDT PCB MOUNT RELAY
K3_CH1		DPDT PCB MOUNT RELAY
K3_CH2		DPDT PCB MOUNT RELAY
K3_CH3		DPDT PCB MOUNT RELAY
K3_CH4		DPDT PCB MOUNT RELAY
K4_CH1		DPDT PCB MOUNT RELAY
K4_CH2		DPDT PCB MOUNT RELAY
K4_CH3		DPDT PCB MOUNT RELAY
K4_CH4		DPDT PCB MOUNT RELAY
K5_CH1		DPDT PCB MOUNT RELAY
K5_CH2		DPDT PCB MOUNT RELAY
K5_CH3		DPDT PCB MOUNT RELAY
K5_CH4		DPDT PCB MOUNT RELAY
P1		Header, 8-Pin, Dual row
P2		Header, 4-Pin, Right Angle
P3		Header, 8-Pin, Dual row
Q1		Transistor PNP
Q1_CH1		Transistor NPN SOT23 Silicon Planar Medium Power
Q1_CH2		Transistor NPN SOT23 Silicon Planar Medium Power
Q1_CH3		Transistor NPN SOT23 Silicon Planar Medium Power
Q1_CH4		Transistor NPN SOT23 Silicon Planar Medium Power

Q2_CH1		Transistor NPN SOT23 Silicon Planar Medium Power
Q2_CH2		Transistor NPN SOT23 Silicon Planar Medium Power
Q2_CH3		Transistor NPN SOT23 Silicon Planar Medium Power
Q2_CH4		Transistor NPN SOT23 Silicon Planar Medium Power
Q3_CH1		Transistor NPN SOT23 Silicon Planar Medium Power
Q3_CH2		Transistor NPN SOT23 Silicon Planar Medium Power
Q3_CH3		Transistor NPN SOT23 Silicon Planar Medium Power
Q3_CH4		Transistor NPN SOT23 Silicon Planar Medium Power
Q4_CH1		Transistor NPN SOT23 Silicon Planar Medium Power
Q4_CH2		Transistor NPN SOT23 Silicon Planar Medium Power
Q4_CH3		Transistor NPN SOT23 Silicon Planar Medium Power
Q4_CH4		Transistor NPN SOT23 Silicon Planar Medium Power
R1	2.2K	Resistor
R1_CH1	10K	Resistor
R1_CH2	10K	Resistor
R1_CH3	10K	Resistor
R1_CH4	10K	Resistor
R2	2.2K	Resistor
R2_CH1	10K	Resistor
R2_CH2	10K	Resistor
R2_CH3	10K	Resistor
R2_CH4	10K	Resistor
R3_CH1	100	Resistor
R3_CH2	100	Resistor
R3_CH3	100	Resistor
R3_CH4	100	Resistor
R5	10M	Resistor
R5_CH1	7.5K	Resistor
R5_CH2	7.5K	Resistor
R5_CH3	7.5K	Resistor
R5_CH4	7.5K	Resistor
R6	10M	Resistor
R6_CH1	7.5K	Resistor
R6_CH2	7.5K	Resistor
R6_CH3	7.5K	Resistor
R6_CH4	7.5K	Resistor
R7	10M	Resistor
R7_CH1	1M	Resistor
R7_CH2	1M	Resistor
R7_CH3	1M	Resistor
R7_CH4	1M	Resistor
R8	10M	Resistor
R8_CH1	1.5K	Resistor
R8_CH2	1.5K	Resistor
R8_CH3	1.5K	Resistor
R8_CH4	1.5K	Resistor
R9	10K	Resistor
R9_CH1	100	Resistor
R9_CH2	100	Resistor
R9_CH3	100	Resistor
R9_CH4	100	Resistor
R10	10K	Resistor
R11	10K	Resistor
R12	10K	Resistor
R12_CH1	2K	Resistor
R12_CH2	2K	Resistor

R12_CH3	2K	Resistor
R12_CH4	2K	Resistor
R13	100K	Resistor
R13_CH1	2K	Resistor
R13_CH2	2K	Resistor
R13_CH3	2K	Resistor
R13_CH4	2K	Resistor
R14	1K	Resistor
R15	1K	Resistor
R16	100k	Resistor
R17	100k	Resistor
R18	1M	Resistor
R18_CH1	100	Resistor
R18_CH2	100	Resistor
R18_CH3	100	Resistor
R18_CH4	100	Resistor
R20_CH1	1M	Resistor
R20_CH2	1M	Resistor
R20_CH3	1M	Resistor
R20_CH4	1M	Resistor
R21_CH1	100	Resistor
R21_CH2	100	Resistor
R21_CH3	100	Resistor
R21_CH4	100	Resistor
R22_CH1	2.2K	Resistor
R22_CH2	2.2K	Resistor
R22_CH3	2.2K	Resistor
R22_CH4	2.2K	Resistor
R23_CH1	220R	Resistor
R23_CH2	220R	Resistor
R23_CH3	220R	Resistor
R23_CH4	220R	Resistor
R24_CH1	100K	Resistor
R24_CH2	100K	Resistor
R24_CH3	100K	Resistor
R24_CH4	100K	Resistor
R27_CH1	2.2K	Resistor
R27_CH2	2.2K	Resistor
R27_CH3	2.2K	Resistor
R27_CH4	2.2K	Resistor
R28_CH1	100	Resistor
R28_CH2	100	Resistor
R28_CH3	100	Resistor
R28_CH4	100	Resistor
R29_CH1	15R	Resistor
R29_CH2	15R	Resistor
R29_CH3	15R	Resistor
R29_CH4	15R	Resistor
R30_CH1	100	Resistor
R30_CH2	100	Resistor
R30_CH3	100	Resistor
R30_CH4	100	Resistor
R31_CH1	100K	Resistor
R31_CH2	100K	Resistor
R31_CH3	100K	Resistor
R31_CH4	100K	Resistor

R33_CH1	270k	Resistor
R33_CH2	270k	Resistor
R33_CH3	270k	Resistor
R33_CH4	270k	Resistor
R34_CH1	270k	Resistor
R34_CH2	270k	Resistor
R34_CH3	270k	Resistor
R34_CH4	270k	Resistor
R40_CH1	5K6	Resistor
R40_CH2	5K6	Resistor
R40_CH3	5K6	Resistor
R40_CH4	5K6	Resistor
R41_CH1	1k	Resistor
R41_CH2	1k	Resistor
R41_CH3	1k	Resistor
R41_CH4	1k	Resistor
R42_CH1	5.6K	Resistor
R42_CH2	5.6K	Resistor
R42_CH3	5.6K	Resistor
R42_CH4	5.6K	Resistor
R43_CH1	1k	Resistor
R43_CH2	1k	Resistor
R43_CH3	1k	Resistor
R43_CH4	1k	Resistor
R55	1M	Resistor
R56	1M	Resistor
R57	1M	Resistor
R58	1M	Resistor
R101	5K6	Resistor
R101_CH1	0R	Resistor
R101_CH2	0R	Resistor
R101_CH3	0R	Resistor
R101_CH4	0R	Resistor
R102	5K6	Resistor
R102_CH1	0R	Resistor
R102_CH2	0R	Resistor
R102_CH3	0R	Resistor
R102_CH4	0R	Resistor
R103	5K6	Resistor
R103_CH1	100	Resistor
R103_CH2	100	Resistor
R103_CH3	100	Resistor
R103_CH4	100	Resistor
R104	5K6	Resistor
R104_CH1	100	Resistor
R104_CH2	100	Resistor
R104_CH3	100	Resistor
R104_CH4	100	Resistor
R105	1K	Resistor
R106	1K	Resistor
R107	1K	Resistor
R108	1K	Resistor
R109_CH1	2K2	Resistor
R109_CH2	2K2	Resistor
R109_CH3	2K2	Resistor
R109_CH4	2K2	Resistor

R111_CH1	10K	Resistor
R111_CH2	10K	Resistor
R111_CH3	10K	Resistor
R111_CH4	10K	Resistor
R112_CH1	2K2	Resistor
R112_CH2	2K2	Resistor
R112_CH3	2K2	Resistor
R112_CH4	2K2	Resistor
R119_CH1	470R	Resistor
R119_CH2	470R	Resistor
R119_CH3	470R	Resistor
R119_CH4	470R	Resistor
R120_CH1	0R	Resistor
R120_CH2	0R	Resistor
R120_CH3	0R	Resistor
R120_CH4	0R	Resistor
R121_CH1	0R	Resistor
R121_CH2	0R	Resistor
R121_CH3	0R	Resistor
R121_CH4	0R	Resistor
R122_CH1	120K	Resistor
R122_CH2	120K	Resistor
R122_CH3	120K	Resistor
R122_CH4	120K	Resistor
R123_CH1	120K	Resistor
R123_CH2	120K	Resistor
R123_CH3	120K	Resistor
R123_CH4	120K	Resistor
R128_CH1	220R	Resistor
R128_CH2	220R	Resistor
R128_CH3	220R	Resistor
R128_CH4	220R	Resistor
R130_CH1	15R	Resistor
R130_CH2	15R	Resistor
R130_CH3	15R	Resistor
R130_CH4	15R	Resistor
R150_CH1	10K	Resistor
R150_CH2	10K	Resistor
R150_CH3	10K	Resistor
R150_CH4	10K	Resistor
R151_CH1	10K	Resistor
R151_CH2	10K	Resistor
R151_CH3	10K	Resistor
R151_CH4	10K	Resistor
TP1		Tie Point
TP1_CH1		Tie Point
TP1_CH2		Tie Point
TP1_CH3		Tie Point
TP1_CH4		Tie Point
TP2		Tie Point
TP2_CH1		Tie Point
TP2_CH2		Tie Point
TP2_CH3		Tie Point
TP2_CH4		Tie Point
TP3		Tie Point
TP3_CH1		Tie Point

TP3_CH2		Tie Point
TP3_CH3		Tie Point
TP3_CH4		Tie Point
TP4		Tie Point
TP5		Tie Point
TP6		Tie Point
TP7_CH1		Tie Point
TP7_CH2		Tie Point
TP7_CH3		Tie Point
TP7_CH4		Tie Point
TP8_CH1		Tie Point
TP8_CH2		Tie Point
TP8_CH3		Tie Point
TP8_CH4		Tie Point
TP9_CH1		Tie Point
TP9_CH2		Tie Point
TP9_CH3		Tie Point
TP9_CH4		Tie Point
TP10_CH1		Tie Point
TP10_CH2		Tie Point
TP10_CH3		Tie Point
TP10_CH4		Tie Point
TP11		Tie Point
TP11_CH1		Tie Point
TP11_CH2		Tie Point
TP11_CH3		Tie Point
TP11_CH4		Tie Point
TP12		Tie Point
TP12_CH1		Tie Point
TP12_CH2		Tie Point
TP12_CH3		Tie Point
TP12_CH4		Tie Point
TP13		Tie Point
TP14		Tie Point
TP14_CH1		Tie Point
TP14_CH2		Tie Point
TP14_CH3		Tie Point
TP14_CH4		Tie Point
TP21		Tie Point
TP22		Tie Point
TP23		Tie Point
TP24		Tie Point
TP25		Tie Point
U1		1A Low-Dropout Regulator
U2		1A Low-Dropout Regulator
U3		Negative Low-Dropout Regulator
U11		Quad Low-Offset, Low-Power Operational Amplifier
U12		Dual D-Type Flip-Flop
U13		Dual D-Type Flip-Flop
U14		Dual 4-Input OR Gate
U15		Hex Schmitt Trigger
W1_CH1	2 pin Header	Jumper Link
W1_CH2	2 pin Header	Jumper Link
W1_CH3	2 pin Header	Jumper Link
W1_CH4	2 pin Header	Jumper Link
W2_CH1	2 pin Header	Jumper Link

W2_CH2	2 pin Header	Jumper Link
W2_CH3	2 pin Header	Jumper Link
W2_CH4	2 pin Header	Jumper Link
W3_CH1	2 pin Header	Jumper Link
W3_CH2	2 pin Header	Jumper Link
W3_CH3	2 pin Header	Jumper Link
W3_CH4	2 pin Header	Jumper Link
W4_CH1	2 pin Header	Jumper Link
W4_CH2	2 pin Header	Jumper Link
W4_CH3	2 pin Header	Jumper Link
W4_CH4	2 pin Header	Jumper Link

Part number	Footprint	Distributor's Part Number
AVX TPSE476K035R0200	X	Farnell 113-5125
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
AVX TPSE476K035R0200	X	Farnell 113-5125
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
Vishay MKT1820610065	RAD-0.6x8.5	Farnell 141-3755
AVX TPSE476K035R0200	X	Farnell 113-5125
AVX TPSE476K035R0200	X	Farnell 113-5125
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
AVX TPSE476K035R0200	X	Farnell 113-5125
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
AVX TPSE476K035R0200	X	Farnell 113-5125
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
VISHAY - MKT1820510015	RAD-0.6x5.5	Farnell 141-3758
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
Cornell Dubilier CD15ED330DO3F	RAD-0.23	Farnell 126-4873
WIMA 1049120410	RAD-0.6	Farnell 100-6054
WIMA 1049120410	RAD-0.6	Farnell 100-6054
WIMA 1049120410	RAD-0.6	Farnell 100-6054
WIMA 1049120410	RAD-0.6	Farnell 100-6054
PHYCOMP (YAGEO) - 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP - 2238 581 15649	C1206	Farnell 718-646
AVX - TPSA105K035R3000	X	Farnell 113-5123
EPCOS - B32529B1104K	RAD-0.2	Farnell 975-0983
EPCOS - B32529B1104K	RAD-0.2	Farnell 975-0983
EPCOS - B32529B1104K	RAD-0.2	Farnell 975-0983
EPCOS - B32529B1104K	RAD-0.2	Farnell 975-0983
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15649	C1206	Farnell 718-646
PHYCOMP 2238 581 15636	C1206	Farnell 360-6156
PHYCOMP 2238 581 15636	C1206	Farnell 360-6156
PHYCOMP 2238 581 15636	C1206	Farnell 360-6156
PHYCOMP 2238 581 15636	C1206	Farnell 360-6156
AVX - TPSE476K035R0200	7343-43	Farnell 113-5125

OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
OPA548T-1	TO220-7PIN-FLAT	Farnell 985-8083
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
AD797ARZ	SO-8C_N	Farnell 942-6450
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
LT1792ACS8	S8_N	Farnell 133-0698 (B version)
Dsub 25 RA Female	DSUB1.385-2H25A	RS 495-9782
Tyco 1-1634584-2	DSUB1.385-2H9	RS 495-9760
Tyco 1-1634580-2		RS 495-9710
Dsub 15 RA Female	DSUB1.385-2H15	RS 495-9776
Tyco 1-1634584-2	DSUB1.385-2H9	RS 495-9760
Tyco 1-1634587-2	DB37RA/F	RS 495-9798
Tyco 1-1634583-2	DB37RA/M	RS 495-9748
Tyco 1-1634580-2		RS 495-9710
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Omron G6K-2F DC12	SOP8	Farnell 444-6197
Amp 1761602-6	HDR2X8	Farnell 110-7927
26-60-5040	HEADER4	Farnell 146-2949
Amp 1761602-6	HDR2X8	Farnell 110-7927
Zetex BCW68HTA	SOT23	Farnell 147-1190
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188

Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
Zetex BCW66HTA	SOT23	Farnell 147-1188
MMA0204	3216[1206]	Farnell 308-7827
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7827
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
KTR18EZPF1005	3216[1206]	RHM10.0MAICT-ND
MMA0204	3216[1206]	Farnell 308-6150
MMA0204	3216[1206]	Farnell 308-6150
MMA0204	3216[1206]	Farnell 308-6150
MMA0204	3216[1206]	Farnell 308-6150
KTR18EZPF1005	3216[1206]	RHM10.0MAICT-ND
MMA0204	3216[1206]	Farnell 308-6150
MMA0204	3216[1206]	Farnell 308-6150
MMA0204	3216[1206]	Farnell 308-6150
MMA0204	3216[1206]	Farnell 308-6150
KTR18EZPF1005	3216[1206]	RHM10.0MAICT-ND
MMA0204	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-8145
KTR18EZPF1005	3216[1206]	RHM10.0MAICT-ND
MMA0204	3216[1206]	Farnell 308-7803
MMA0204	3216[1206]	Farnell 308-7803
MMA0204	3216[1206]	Farnell 308-7803
MMA0204	3216[1206]	Farnell 308-7803
MMB0207	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMB0207	3216[1206]	Farnell 308-7906
MMB0207	3216[1206]	Farnell 308-7906
MMB0207	3216[1206]	Farnell 308-7906
MMA0204	3216[1206]	Farnell 308-6010
MMA0204	3216[1206]	Farnell 308-6010

MMA0204	3216[1206]	Farnell 308-6010
MMA0204	3216[1206]	Farnell 308-6010
MMB0207	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-6010
MMA0204	3216[1206]	Farnell 308-6010
MMA0204	3216[1206]	Farnell 308-6010
MMA0204	3216[1206]	Farnell 308-6010
MMB0207	3216[1206]	Farnell 308-7785
MMB0207	3216[1206]	Farnell 308-7785
MMB0207	3216[1206]	Farnell 308-8029
MMB0207	3216[1206]	Farnell 308-8029
MMB0207	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-8145
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7827
MMA0204	3216[1206]	Farnell 308-7827
MMA0204	3216[1206]	Farnell 308-7827
MMA0204	3216[1206]	Farnell 308-7827
MMA0204	3216[1206]	Farnell 308-7700
MMA0204	3216[1206]	Farnell 308-7700
MMA0204	3216[1206]	Farnell 308-7700
MMA0204	3216[1206]	Farnell 308-7700
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
SMW515RJT	SM5	Farnell 142-2527
SMW515RJT	SM5	Farnell 142-2527
SMW515RJT	SM5	Farnell 142-2527
SMW515RJT	SM5	Farnell 142-2527
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-7669
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029
MMA0204	3216[1206]	Farnell 308-8029

	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
	TP_SMT	Digi-Key 5016KCT-ND
LM2940S-12	TS3B	Farnell 953-416
LM2940CS-15	TS3B	Farnell 156-4643
LM2990S-15	TS3B	Farnell 115-0166
OP400GSZ	SOL-16_N	Farnell 942-6140
CD4013BCM	M14A	Farnell 101-4057
CD4013BCM	M14A	Farnell 101-4057
CD4072BE	N14A	Farnell 147-0848
CD40106BCM	M14A	Farnell 101-4054
	RAD-0.1	Farnell 973-1075
	RAD-0.1	Farnell 973-1075
	RAD-0.1	Farnell 973-1075
	RAD-0.1	Farnell 973-1075
	RAD-0.1	Farnell 973-1075

