

Ext.	Qty	Part Number	Distributor	Value	Description	Designator
7	1	PCC2296CT-ND	Digi-Key	2.2u	Capacitor, surface mount	C1
9	2	PCE3506CT-ND	Digi-Key	3.3m	Electrolyte capacitor, surface mount	C2, C4
9	2	311-1179-1-ND	Digi-Key	100n	Capacitor, surface mount	C3, C31
13	4	PCC2333CT-ND	Digi-Key	22u	Capacitor, surface mount	C5, C6, C7, C8
11	3	490-4539-1-ND	Digi-Key	100u	Capacitor, surface mount	C9, C10, C11
7	1	445-1428-1-ND	Digi-Key	47u	Capacitor, surface mount	C12
21	8	399-4131-1-ND	Digi-Key	1m	Tantalum capacitor, surface mount	C13, C14, C17, C18, C21, C22, C26, C27
13	4	399-4138-1-ND	Digi-Key	680u	Tantalum capacitor, surface mount	C15, C19, C23, C28
17	6	399-4136-1-ND	Digi-Key	470u	Tantalum capacitor, surface mount	C16, C20, C24, C25, C29, C30
7	1	A32258-ND	Digi-Key		BNC, PCB Mount, Right Angle	J1
7	1	MVR1255C-651MLB	Coilcraft	650nH	Power inductor. MVR series	L1
15	5	281-1297-ND	Digi-Key		Terminal block, 5.08mm, 2-Pin	P1, P2, P3, P4, P5
7	1	311-4.70KFRCT-ND	Digi-Key	4.7K	Resistor, surface mount	R1
9	2	311-10.0KFRCT-ND	Digi-Key	10K	Resistor, surface mount	R2, R3
13	4	311-52.3KFRCT-ND	Digi-Key	52.3K	Resistor, surface mount	R4, R5, R6, R7
7	1	311-12.1KFRCT-ND	Digi-Key	12.1K	Resistor, surface mount	R8
7	1	311-4.75KFRCT-ND	Digi-Key	4.75K	Resistor, surface mount	R9
7	1	311-1.21KFRCT-ND	Digi-Key	1.21K	Resistor, surface mount	R10
7	1	311-169FRCT-ND	Digi-Key	169	Resistor, surface mount	R11
7	1	SW262CT-ND	Digi-Key		Switch, SMD, 6mm	S1
7	1	296-3247-5-ND	Digi-Key		Supply Voltage Supervisor	U1
13	4	296-20444-ND	Digi-Key		Adjustable power module, 10A, 4.5V to 14V input, non-isolated	U2, U3, U4, U5
7	1	296-1240-1-ND	Digi-Key		Dual Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset	U6

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2 Number of boards

21 Unique SMD components

50 Total number of SMD components

2 Unique through-hole components

6 Total number of through-hole components

23 Unique components

56 Total number components