

Bill of Materials for MC34063 (Buck-Lead)

ON Semiconductor



8/1/2006

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
C501	1	Electrolytic Capacitor	100 μ F, 25 V	20%	Radial	Panasonic	EEU-FC1E101S	Yes	Yes
C502, C507	2	Ceramic Capacitor	0.1 μ F, 50 V	10%	Radial	Kemet	C320C104K5R5CA	Yes	Yes
C503	1	Ceramic Capacitor	270 pF, 100 V	10%	Radial	Kemet	C315C271K1G5CA	Yes	Yes
C504	1	Electrolytic Capacitor	220 μ F, 6.3 V	20%	Radial	Panasonic	ECA-0JHG221	Yes	Yes
D501	1	Schottky diode	1A, 40V	NA	DO-41	ON Semiconductor	1N5819RLG	No	Yes
FB501	1	Wire Jumper, 22 Ga	NA	NA	NA	NA	NA	Yes	Yes
IC501	1	IC-DC to DC Converter	NA	NA	DIP-8	ON Semiconductor	MC34063AP1G	No	Yes
L501	1	Leaded Torroid Coil	330 μ H, 0.9 A	20%	21 x 11.4 mm	AlfaMag Electronics	SWC-0.90-330	Yes	Yes
P501, P502	1	2 Pin Header	NA	NA	NA	Molex	26-48-1025	Yes	Yes
Q501	1	Leaded NPN Transistor	NA	NA	TO-92	ON Semiconductor	MPS651RLRAG	Yes	Yes
R501	1	Resistor	1.5 Ω , 1/4W	5%	Axial	Yageo	CFR-25JB-1R5	Yes	Yes
R505	1	Wire Jumper, 22 Ga	NA	NA	NA	NA	NA	Yes	Yes
R507	1	Resistor	1 k Ω , 1/4W	5%	Axial	Yageo	CFR-25JR-1K0	Yes	Yes
R508	1	Resistor	4.12 k Ω , 1/4W	1%	Axial	Panasonic - ECG	ERO-S2PHF4121	Yes	Yes
R509	1	Resistor	2.49 k Ω , 1/4W	1%	Axial	Panasonic - ECG	ERO-S2PHF2491	Yes	Yes