

Bill of Materials for MC34063 (BuckBoost)

ON Semiconductor



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
C701	1	Electrolytic Capacitor	100 μ F, 25 V	20%	Radial	Panasonic	EEU-FC1E101S	Yes	Yes
C702, C706	2	Ceramic Capacitor	0.1 μ F, 50 V	10%	Radial	Kemet	C320C104K5R5CA	Yes	Yes
C703	1	Ceramic Capacitor	470 pF, 200 V	10%	Radial	Kemet	C315C471K2R5TA	Yes	Yes
C704	1	Electrolytic Capacitor	470 μ F, 6.3 V	20%	Radial	Panasonic	ECA-0JM471I	Yes	Yes
D701	1	Schottky Diode	NA	NA	DO-41	ON Semiconductor	1N5819RLG	No	Yes
D702	1	Schottky Diode	NA	NA	DO-41	ON Semiconductor	1N5819RLG	No	Yes
FB701	1	Wire Jumper 22 GA	NA	NA	NA	NA	NA	Yes	Yes
IC701	1	IC-DC to DC Converter	1.5 A	NA	DIP-8	ON Semiconductor	MC34063AP1G	No	Yes
L701	1	Coil Toroid, Leaded	22 μ H, 19 A	15%	14.22 x 30 mm	J W Miller Magnetics	2300HT-220-V-RC	Yes	Yes
P701, P702	2	2 Pin Header	NA	NA	NA	Molex	26-48-1025	Yes	Yes
Q701	1	PNP Transistor	NA	NA	TO-92	ON Semiconductor	MPS751RLRAG	No	Yes
R701	1	Resistor	0.1 Ω , 1 W	1%	Axial	MULTICOMP	MC14693	Yes	Yes
R703	1	Resistor	330 Ω , 1/4 W	5%	Axial	Yageo	CFR-25JR-330R	Yes	Yes
R704	1	Resistor	33 Ω , 1/4 W	5%	Axial	Yageo	CFR-25JB-33R	Yes	Yes
R705	1	Resistor	1.65 k Ω , 1/4 W	1%	Axial	Panasonic - ECG	ERO-S2PHF1651	Yes	Yes
R706	1	Resistor	1 k Ω , 1/4 W	1%	Axial	Panasonic - ECG	ERD-S2TJ102V	Yes	Yes
R709	1	Wire Jumper 22 GA	NA	NA	NA	NA	NA	Yes	Yes