

Bill of Materials for MC34063 (Inverting BuckBoost-SMD)

ON Semiconductor



8/1/2006

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
C301	1	Electrolytic Capacitor	100 μ F, 16 V	20%	6.3 x 6.3 mm	Tecate	MXZZ-016/101M6X6TRF	Yes	Yes
C302	1	Ceramic Capacitor	0.1 μ F, 50 V	10%	0805	Kemet	C0805C104K5RACTU	Yes	Yes
C303	1	Ceramic Capacitor	470 pF, 50 V	5%	0805	Kemet	C0805C471J5GACTU	Yes	Yes
C304	1	Tantalum Capacitor	100 μ F, 16 V	10%	7.3 x 4.3mm	Kemet	T491D107K016AT	Yes	Yes
C306	1	Ceramic Chip Capacitor	0.1 μ F, 50 V	10%	0805	Kemet	C0805C104K5RACTU	Yes	Yes
D301, D302	2	Schottky Diode	1A, 40V	NA	SMB	ON Semiconductor	MBRS140T3G	No	Yes
IC301	1	IC-DC to DC Converter	1.5 A	NA	SOIC-8	ON Semiconductor	MC34063ADG	No	Yes
L301	1	Power Inductor	22 μ H, 2.3 A	20%	9.4 x 12.95 mm	Coilcraft	DO3316P-223L	Yes	Yes
P301, P302	1	2 Pin Header	NA	NA	NA	Molex	26-48-1025	Yes	Yes
Q301	1	NPN Transistor	NA	NA	SOT-223	ON Semiconductor	PZT651T1G	No	Yes
R301	1	Film Resistor	0.1 Ω , 1/8 W	5%	0805	Panasonic - ECG	ERJ-6RSJR10V	Yes	Yes
R303	1	Film Resistor	330 Ω , 1/8 W	5%	0805	Yageo America	RC0805JR-07330RL	Yes	Yes
R304	1	Film Resistor	33 Ω , 1/8 W	5%	0805	Yageo America	RC0805JR-0733RL	Yes	Yes
R305, R309	1	Film Resistor	0 Ω , 1/8 W	5%	0805	Yageo America	RC0805JR-070RL	Yes	Yes
R306	1	Film Resistor	1.65 k Ω , 1/8 W	1%	0805	Yageo America	RC0805FR-071K65L	Yes	Yes
R307	1	Film Resistor	1 k Ω , 1/8 W	1%	0805	Yageo America	RC0805FR-071KL	Yes	Yes