

Bill of Materials for MC34063 (Buck-SMD)

ON Semiconductor



8/1/2006

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
C101	1	Electrolytic Capacitor	100 $\mu$ F, 16 V	20%	6.3 x 6.3 mm	Tecate	MXZZ-016/101M6X6TRF	Yes	Yes
C102, C107	2	Ceramic Capacitor	0.1 $\mu$ F, 50 V	10%	0805	Kemet	C0805C104K5RACTU	Yes	Yes
C103	1	Ceramic Capacitor	270 pF, 50 V	5%	0805	Kemet	C0805C271J5GACTU	Yes	Yes
C104	1	Tantalum Capacitor	100 $\mu$ F, 6.3 V	10%	EIA 6032 - 28	AVX Corporation	TAJC107K006R	Yes	Yes
D101	1	Schottky diode	1 A, 40 V	NA	SMB	ON Semiconductor	MBRS140T3G	No	Yes
IC101	1	IC-DC to DC Converter	NA	NA	SOIC-8	ON Semiconductor	MC34063ADR2G	No	Yes
L101	1	Power Inductor	330 $\mu$ H, 06 A	20%	SMD	Coilcraft	DO3316P-334 L	Yes	Yes
P101, P102	1	2 Pin Header	NA	NA	NA	Molex	26-48-1025	Yes	Yes
R101	1	Film Resistor	1.5 $\Omega$ , 1/8 W	5%	0805	Yageo America	RC0805JR-071R5L	Yes	Yes
R106, R110	2	Film Resistor	0 $\Omega$ , 1/8 W	5%	0805	Yageo America	RC0805JR-070RL	Yes	Yes
R108	1	Film Resistor	4.12 k $\Omega$ , 1/8 W	1%	0805	Yageo America	RC0805FR-074K12L	Yes	Yes
R109	1	Film Resistor	2.49 k $\Omega$ , 1/8 W	1%	0805	Panasonic - ECG	ERJ-6ENF2491V	Yes	Yes