

Bill of Materials for MC34063 (BuckBoost-SMD)

ON Semiconductor



8/28/2003

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C301	1	Capacitor Surface Mount	100uF, 16V	20%	6.3mm X 6.3mm	Tecate	MXZZ-016/101M6X6TR	YES	NO
C302	1	Ceramic Chip Capacitor	0.1uF	10%	805 SMD	Kemet	C0805C104K5RACTU	YES	NO
C303	1	Ceramic chip Capacitor	470pF,	5%	805	Kemet	C805C471J5RAC	YES	NO
C304	1	Tantalum Chip Capacitor	100uF,16V	10%	7.3mm x 4.3mm x 2.8mm	Kemet	T491D107K016AS	YES	NO
C306	1	Ceramic Chip Capacitor	0.1uF	10%	805 SMD	Kemet	C0805C104K5RACTU	YES	NO
D301	1	Surface Mount Schottky Diode	1A , 40V	NA	SMB	ON Semiconductor	MBRS140	NO	NO
D302	1	Surface Mount Schottky Diode	1A , 40V	NA	SMB	ON Semiconductor	MBRS140	NO	NO
IC301	1	IC-DC to DC Converter	1.5A	NA	SOIC 8	ON Semiconductor	MC34063AD	NO	NO
L301	1	Coil	22uH	20%	SMD	Coilcraft	DO3316P-223	YES	NO
P301	1	2 Pin Header	NA	NA	NA	Molex	26-48-1025	YES	NO
P302	1	2 Pin Header	NA	NA	NA	Molex	26-48-1025	YES	NO
Q301	1	PNP Transistor	NA	NA	SOT223	ON Semiconductor	PZT651T1	NO	NO
R301	1	Resistor, chip	0.1 Ohm, 1/8 W	5%	805 SMD	Panasonic - ECG	ERJ-6RSJR10V	YES	NO
R303	1	Resistor, chip	330 Ohm, 1/8 W	5%	805 SMD	Yageo America	9C08052A3300JLHFT	YES	NO
R304	1	Resistor, chip	33 Ohm, 1/8 W	5%	805 SMD	Yageo America	9C08052A33R0JLHFT	YES	NO
R305	1	Resistor, chip	0 Ohm, 1/8 W	5%	805 SMD	Yageo America	9C08052A0R00JLHFT	YES	NO
R306	1	Resistor, chip	1.65K Ohm, 1/8 W	1%	805 SMD	Yageo America	9C08052A1651FKHFT	YES	NO
R307	1	Resistor, chip	1K Ohm, 1/8 W	1%	805 SMD	Yageo America	9C08052A1001FKHFT	YES	NO
R309	1	Resistor, chip	0 Ohm, 1/8 W	5%	805 SMD	Yageo America	9C08052A0R00JLHFT	YES	NO