

ON Semiconductor



Bill of Materials for the MC33063 Boost DFN Demo Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor	2k2	1%	1206	ROHM	MCR18EZPF2201	Yes	Yes
R2	1	Resistor	47k0	1%	1206	ROHM	MCR18EZPF4702	Yes	Yes
R3	1	Resistor	180R	1%	1206	ROHM	MCR18EZPF1800	Yes	Yes
RSC	1	Resistor	0R22	5%	1210	PANASONIC	ERJ-14RQJR22U	Yes	Yes
C1, C3	2	Capacitor	100 uF/50 V	20%	F	PANASONIC	EEEFK1H101P	Yes	Yes
C2	1	capacitor	330 uF/35 V	20%	G	PANASONIC	EEEF1V331AP	Yes	Yes
C4, C5	2	Capacitor	100 nF	10%	1206	KEMET	C1206C104K5RACTU	Yes	Yes
CT	1	Capacitor	1.5 nF	10%	1206	KEMET	C1206C152K5RACTU	Yes	Yes
IC1	1	Switching regulator	MC33063		DFN	ON Semiconductor	MC33063MNTXG	No	Yes
D1	1	Diode	MBRS260	-	SMB	ON Semiconductor	MBRS260T3G	No	Yes
L1	1	Inductor	150 uH	-	DO3340P	CoilCraft	DO3340P-154MLB	Yes	Yes
L2	1	Inductor	1 uH	-	DO1605T	CoilCraft	DO1605T-102MLB	Yes	Yes
Pin	5	Pin 1.3mm	-	-	1.3mm	Various	Various	Yes	Yes