

ON Semiconductor



Bill of Materials for the MC33063 Buck DFN Demo Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R11	1	Resistor	1k2	1%	1206	ROHM	MCR18EZPF1201	Yes	Yes
R12	1	Resistor	3k6	1%	1206	ROHM	MCR18EZPF3601	Yes	Yes
RSC1	1	Resistor	0R22	5%	1210	PANASONIC	ERJ-14RQJR22U	Yes	Yes
C11, C13	2	Capacitor	100 uF/50 V	20%	F	PANASONIC	EEEFK1H101P	Yes	Yes
C12	1	Capacitor	470 uF/16 V	20%	F	PANASONIC	EEEFK1C471P	Yes	Yes
C14, C15	2	Capacitor	100 nF	10%	1206	KEMET	C1206C104K5RACTU	Yes	Yes
CT1	1	Capacitor	1.5 nF	10%	1206	KEMET	C1206C152K5RACTU	Yes	Yes
IC1	1	Switching Regulator	MC33063	-	DFN	ON Semiconductor	MC33063MNTXG	No	Yes
D11	1	Diode	MBRS260	-	SMB	ON Semiconductor	MBRS260T3G	No	Yes
L11	1	Inductor	220 uH	-	DO3340P	CoilCraft	DO3340P-224MLB	Yes	Yes
L12	1	Inductor	1 uH	-	DO1605TP	CoilCraft	DO1605TP-102MLB	Yes	Yes
Pin	5	Pin 1.3mm	-	-	1.3mm	Various	Various	Yes	Yes