



Bill of Materials for the NCP43080LLCGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Ceramic Capacitor	100 nF	10%	1206	KEMET	C1206X104K5RACTU	Yes	Yes
C2	1	Ceramic Capacitor	1 uF / 50 V	10%	1206	KEMET	C1206X105K5RACTU	Yes	Yes
CLLD1, CLLD2	2	-	NU	-	1206	-	-	Yes	Yes
CSNB	1	Ceramic Capacitor	3.9 nF		1206	KEMET	C1206C392K5RACTU	Yes	Yes
D1, D4	2	Switching Diode	BAS20HT1G	-	SOD-323	ON SEMICONDUCTOR	BAS20HT1G	Yes	Yes
IC1	1	Secondary Side Synchronous Rectification Controller	NCP43080D	-	SOIC-08	ON SEMICONDUCTOR	NCP43080DDR2G	No	Yes
M1, M2	2	N-Channel Power MOSFET	NTMFS5C430NL	-	SO-8FL	ON SEMICONDUCTOR	NTMFS5C430NL	Yes	Yes
RCS, RG	2	Resistor SMD	0.0 Ω	5%	1206	YAGEO	RC1206JR-070RL	Yes	Yes
RG_PD	1	Resistor SMD	10 k Ω	1%	1206	YAGEO	RC1206FR-0710KL	Yes	Yes
RLLD_PD	1	Resistor SMD	1.0 k Ω	1%	1206	YAGEO	RC1206FR-071KL	Yes	Yes
RLLD1, RLLD2, RLLD3, RMIN_TOFFM, RSNB2	5	Resistor SMD	NU	-	1206	-	-	Yes	Yes
RMIN_TOFF	1	Resistor SMD	22 k Ω	1%	1206	YAGEO	RC1206FR-0722KL	Yes	Yes
RMIN_TON	1	Resistor SMD	4.7 k Ω	1%	1206	YAGEO	RC1206FR-074K7L	Yes	Yes
RSNB1	1	Resistor SMD	15 Ω	1%	1206	YAGEO	RC1206FR-0715RL	Yes	Yes