ON Semiconductor®

Bill of Materials for the NCP4306LLC60GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Ceramic Capacitor	2.2 uF / 50 V	10%	1206	KEMET	C1206C225K5RACTU	Yes	Yes
CLLD	1	Ceramic Capacitor	1 nF	20%	0805	KEMET	C0805C102M5RACTU	Yes	Yes
CSNB	1	Ceramic Capacitor	2.7 nF	10%	1206	KEMET	C1206C273K5RACTU	Yes	Yes
IC1	1	Secondary Side Synchronous Rectifierring Controller	NCP4306AAHZZZA	-	SOIC-08	ON SEMICONDUCTOR	NCP4306AAHZZZADR2G	No	Yes
M1	1	N-Channel Power MOSFET	NTMFS5C646NL	-	SO-8FL	ON SEMICONDUCTOR	NTMFS5C646NLT1	Yes	Yes
RVCC	1	Resistor SMD	2.2 Ω	1%	0805	YAGEO	RC0805FR-072R2L	Yes	Yes
RLLD	1	Resistor SMD	43 kΩ	1%	0805	YAGEO	RC0805FR-0743KL	Yes	Yes
RMIN_TOFF	1	Resistor SMD	22 kΩ	1%	0805	YAGEO	RC0805FR-0722KL	Yes	Yes
RMIN_TON	1	Resistor SMD	3.3 kΩ	1%	0805	YAGEO	RC0805FR-073K3L	Yes	Yes
RTRIG_PD	1	Resistor SMD	10 kΩ	1%	0805	YAGEO	RC0805FR-0710KL	Yes	Yes
RSNB1	1	Resistor SMD	15 R	1%	1206	YAGEO	RC1206FR-0715RL	Yes	Yes
RSNB2	1	Resistor SMD	NU	-	1206	-	-	Yes	Yes