



Bill of Materials for the NCP4305FLY40GEVB 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	1	Ceramic Capacitor	33 nF	10%	1206	KEMET	C1206X333KBRACTU	Yes	Yes
CLLD2	1	Ceramic Capacitor	10 nF	10%	1206	KEMET	C1206X103K5RACTU	Yes	Yes
CSNB	1	Ceramic Capacitor	1.2 nF / 200 V	5%	Through Hole	TDK CORPORATION	FK24C0G2E122J	Yes	Yes
D1, D4	2	Switching Diode, High Voltage	BAS20HT1G	-	SOD-323	ON SEMICONDUCTOR	BAS20HT1G	No	Yes
IC1	1	Secondary Side Synchronous Rectification Controller	NCP4305D	-	SOIC-08	ON SEMICONDUCTOR	NCP4305DDR2G	No	Yes
M1	1	Power MOSFET N-Channel	IRFS4115	-	D2PAK	INTERNATIONAL RECTIFIER	IRFS4115TRLPBF	Yes	Yes
RCS, RG	2	Resistor SMD	0.0 Ω	5%	1206	YAGEO	RC1206JR-070RL	Yes	Yes
RGD	1	Resistor SMD	10 kΩ	1%	1206	YAGEO	RC1206FR-0710KL	Yes	Yes
RLLD1, RLLD2	2	Resistor SMD	39 kΩ	1%	1206	YAGEO	RC1206FR-0739KL	Yes	Yes
RLLD3	1	Resistor SMD	6.8 kΩ	1%	1206	YAGEO	RC1206FR-076K8L	Yes	Yes
RLLDD, RMAX_TONM, RMIN_TOFFM	0	DNP	DNP	-	1206	-	-	Yes	Yes
RMAX_TON	1	Resistor SMD	1.0 kΩ	1%	1206	YAGEO	RC1206FR-071KL	Yes	Yes
RMIN_TOFF	1	Resistor SMD	22 kΩ	1%	1206	YAGEO	RC1206FR-0722KL	Yes	Yes
RMIN_TON	1	Resistor SMD	15 kΩ	1%	1206	YAGEO	RC1206FR-0715KL	Yes	Yes
RSNB1	1	Resistor	15 Ω	1%	Through Hole	VISHAY BC COMPONENTS	MRS25000C1509FRP00	Yes	Yes
RSNB2	0	DNP	DNP	-	Through Hole	-	-	Yes	Yes