



Bill of Materials for the NCV4306FLY100GEVB 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	1n	20%	0805	KEMET	C0805C102M5RACTU	Yes	Yes
CSNB	1	Ceramic Capacitor	NU		1206	-	-	Yes	Yes
IC1	1	integrally-protected synchronous	NCP4306AADZZA	-	SOIC-08	ON SEMICONDUCTOR	NCP4306AADZZADR2G	No	Yes
M1	1	N-Channel Power MOSFET	FDM596181	-	Power 56	ON SEMICONDUCTOR	FDM596 181	Yes	Yes
RVCC	1	Resistor SMD	2.2 Ω	1%	0805	YAGEO	RC0805FR-072R2L	Yes	Yes
RLLD	1	Resistor SMD	91 kΩ	1%	0805	YAGEO	RC0805FR-0791KL	Yes	Yes
RMIN_TOFF	1	Resistor SMD	27 kΩ	1%	0805	YAGEO	RC0805FR-0727KL	Yes	Yes
RMIN_TON	2	Resistor SMD	10 kΩ	1%	0805	YAGEO	RC0805FR-0710KL	Yes	Yes
RSNB1, RSNB2	2	Resistor SMD	NU	-	1206	-	-	Yes	Yes
