



Bill of Materials for the NCL30388LED1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C17	1	22nF	22nF			Wurth	885012207094	Yes	Yes
C18	1	220nF	220nF			Wurth	885012207100	Yes	Yes
C6,C7,C8	3	150nF	150nF			Wurth	890334025025	Yes	Yes
C9,C13	2	2.2nF	2.2nF			Murata	DE1E3KX222MA4BP01F	Yes	Yes
C10	1	470nF	470nF			Wurth	890334025039	Yes	Yes
C11,C12	2	1000uF 50V	1000uF 50V			Wurth	860160680034	Yes	Yes
C14	1	10uF35V	10uF35V			Nichicon	USV1V100MFD	Yes	Yes
C15	1	4.7nF 630V	4.7nF 630V			Kemet	B32529C8472J000	Yes	Yes
D2	1	GBU4J				On Semiconductor	GBU4J	Yes	Yes
D3,D5	2	MUR440RLG				On Semiconductor	MUR440RLG	Yes	Yes
D4	1	ES1JFL				On Semiconductor	ES1JFL	Yes	Yes
D6	1	MURS160T3G				On Semiconductor	MURS160T3G	Yes	Yes
F1	1	1A6 Sls				Belfuse	UMTS 1.6	Yes	Yes
J1	1	CON3				Wurth	691101710003	Yes	Yes
J6	1	CON2				Wurth	691101710002	Yes	Yes
L1	1	820uH	820uH			Abracon	AIUR-06-821K	Yes	Yes
L2	1	5mH	5mH			Murata	51505C	Yes	Yes
L3	1	10uH	10uH			Wurth	744779100	Yes	Yes
QFET1	1	FCPF380N65FL1				ON Semiconductor	FCPF380N65FL1	Yes	Yes
Heatsink	1					Aavid Thermalloy	507302B00000G	Yes	Yes
R19	1	100k	100k			Yaeko	RC0805FR-07100KL	Yes	Yes
R8	1	320 V	320 V			Littelfuse	V320LA10P	Yes	Yes
R9	1	47k 2W	47k 2W			Yaeko	RSF200JB-73-47K	Yes	Yes
R10	1	56k	56k			Yaeko	RC0805FR-0756KL	Yes	Yes
R11	1	82k	82k			Yaeko	RC0805FR-0782KL	Yes	Yes
R12	1	7.5k	7.5k			Yaeko	RC0805FR-077K5L	Yes	Yes
R13	1	620	620			Yaeko	RC0805FR-07620RL	Yes	Yes
R14	1	0.36 1W	0.36 1W			Panasonic	ERJ-1TRQFR36U	Yes	Yes
R15	1	0.39 1W	0.39 1W			Yaeko	RL2512FK-070R39L	Yes	Yes
R17	1	47 2W	47 2W			Yaeko	RSF200JB-73-47R	Yes	Yes
R18	1	10	10			Yaeko	RC0805FR-0710RL	Yes	Yes
T1	1	750342613				Wurth	750342613	Yes	Yes
U2	1	NCL30388B				On Semiconductor	NCL30388B	No	Yes

