



Bill of Materials for the NCL30386LED1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor	100nF	-	-	Wurth	885012207045	Yes	Yes
C2	1	Capacitor	10uF	-	-	Wurth	885012207003	Yes	Yes
C4	1	Capacitor	10nF	-	-	Wurth	885012207039	Yes	Yes
C5	1	Capacitor	1uF	-	-	Wurth	885012207078	Yes	Yes
C6,C7,C8	3	Capacitor	150nF	-	-	Wurth	890334023025	Yes	Yes
C9,C13	2	Capacitor	2.2nF	-	-	Murate	DE1E3KX222MN4AL01	Yes	Yes
C10	1	Capacitor	470nF	-	-	Wurth	890334025039	Yes	Yes
C11,C12	2	Capacitor	1000uF 50V	-	-	Wurth	860160680034	Yes	Yes
C14	1	Capacitor	10uF35V	-	-	Nichicon	USV1V100MFD	Yes	Yes
C15	1	Capacitor	4.7nF 630V	-	-	Kemet	B32529C8472J000	Yes	Yes
C16,C19	2	Capacitor	100pF	-	-	Wurth	885012006023	Yes	Yes
C17	1	Capacitor	22nF	-	-	Wurth	885012207041	Yes	Yes
C18	1	Capacitor	220nF	-	-	Wurth	885012207047	Yes	Yes
D1	1	-	MMSZ15T1G	-	-	On Semiconductor	MMSZ15T1G	No	Yes
D2	1	-	GBL08-E3/45	-	-	Vishay	GBL08-E3/45		Yes
D3,D5	2	-	MUR440RLG	-	-	On Semiconductor	MUR440RLG	No	Yes
D4	1	-	ES1JFL	-	-	On Semiconductor	ES1JFL	No	Yes
D6	1	-	MURS160T3G	-	-	On Semiconductor	MURS160T3G	No	Yes
F1	1	-	1A6 Slo	-	-	Belfuse	UMTS 1.6	-	Yes
J1	1	-	CON3	-	-	Wurth	691101710003	-	Yes
J6	1	-	CONN PCB 4	-	-	On Shore Technology Inc.	ED120/4DS	-	Yes
L1	1	Inductor	820uH	-	-	Abracon	AIUR-06-821K	Yes	Yes
L2	1	Inductor	5mH	-	-	Murata	51505C	Yes	Yes
L3	1	Inductor	10uH	-	-	Wurth	744779100	Yes	Yes
QFET1	1	-	FCPF380N65FL1	-	-	ON Semiconductor	FCPF380N65FL1	No	Yes
R1	1	Resistor	18k	-	-	Yaego	RC0805FR-0718KL	Yes	Yes
R2,R7	2	Resistor	100k	-	-	Yaego	RC0805FR-07100KL	Yes	Yes
R3,R6,R16	3	Resistor	1k	-	-	Yaego	RC0805FR-071KL	Yes	Yes
R4,R5	2	Resistor	10k	-	-	Yaego	RC0805FR-0710KL	Yes	Yes
R8	1	Resistor	320 V	-	-	Littelfuse	V320LA10P	Yes	Yes

R9	1	Resistor	47k 2W	-	-	Yageo	RSF200JB-73-47K	Yes	Yes
R10	1	Resistor	56k	-	-	Yageo	RC0805FR-0756KL	Yes	Yes
R11	1	Resistor	82k	-	-	Yageo	RC0805FR-0782KL	Yes	Yes
R12	1	Resistor	7.5k	-	-	Yageo	RC0805FR-077k5L	Yes	Yes
R13	1	Resistor	620	-	-	Yageo	RC0805FR-07620RL	Yes	Yes
R14	1	Resistor	0.36 1W	-	-	Panasonic	ERJ-1TRQFR36U	Yes	Yes
R15	1	Resistor	0.39 1W	-	-	Yageo	RL2512FK-070R39L	Yes	Yes
R17	1	Resistor	47 2W	-	-	Yageo	RSF200JB-73-47R	Yes	Yes
R18	1	Resistor	10	-	-	Yageo	RC0805FR-0710RL	Yes	Yes
T1	1	-	750342613	-	-	Würth	750342613	-	Yes
U1	1	-	MC33060A	-	-	ON Semiconductor	MC33060ADG	-	Yes
U2	1	-	NCL30386B	-	-	On Semiconductor	NCL30386B	-	Yes
U3	1	-	FOD817A3SD	-	-	Fairchild	FOD817A3SD	-	Yes
QFET1	1	-	507302B00000G	-	-	Aavid	507302B00000G	-	Yes