



Bill of Materials for the NCL30386LED1GEVB Evaluation Board

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

1	R9	Resistor	47k 2W			Yageo	RSF200JB-73-47K	Yes	Yes
1	R10	Resistor	56k			Yaego	RC0805FR-0756KL	Yes	Yes
1	R11	Resistor	82k			Yaego	RC0805FR-0782KL	Yes	Yes
1	R12	Resistor	7.5k			Yaego	RC0805FR-077k5L	Yes	Yes
1	R13	Resistor	620			Yaego	RC0805FR-07620RL	Yes	Yes
1	R14	Resistor	0.36 1W			Panasonic	ERJ-1TRQFR36U	Yes	Yes
1	R15	Resistor	0.39 1W			Yageo	RL2512FK-070R39L	Yes	Yes
1	R16	Resistor	Not Fitted					Yes	Yes
1	R17	Resistor	47 2W			Yageo	RSF200JB-73-47R	Yes	Yes
1	R18	Resistor	10			Yaego	RC0805FR-0710RL	Yes	Yes
1	T1		750342613			Würth	750342613	Yes	Yes
1	U1		MC33060A			ON Semiconductor	MC33060ADG	Yes	Yes
1	U2		NCL30386B			On Semiconductor	NCL30386B	Yes	Yes
1	U3		FOD817A3SD			Fairchild	FOD817A3SD	Yes	Yes
1	QFET1		507302B00000G			Aavid	507302B00000G	Yes	Yes