



Bill of Materials for the NCL30105G1EVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
5	C1,C2,C3,C4,C6		4.7uF 25V			Samsung	CL31B475KAHNNWE	Yes	Yes
2	C5,C7		220pF			Yageo	CC0402JRNPO9BN221	Yes	Yes
1	D1		FSV530AF			ON Semiconductor	FSV530AF	No	Yes
1	D2		SZMM3Z15VT1G			On Semiconductor	SZMM3Z15VT1G	No	Yes
1	J1		CONN JACK PWR			Würth	694106106102	Yes	Yes
1	J2		OSTTA024163			On Shore	OSTTA024163	Yes	Yes
1	J3		SMA			Molex	731000114	Yes	Yes
1	L1		4.7uH			Taiyo Yuden	CBC3225T4R7MR	Yes	Yes
1	L2		15uH			Würth	7447709150	Yes	Yes
1	Q1		MMBT3904WT1G			On Semiconductor	MMBT3904WT1G	No	Yes
1	Q2		NVMFS5C468NT1G			ON Semiconductor	NVMFS5C468NT1G	No	Yes
1	R1		10k			Yageo	RC0402FR-0710KL	Yes	Yes
2	R2,R3		49.9			Yageo	RC0402FR-0749R9L	Yes	Yes
2	R4,R6		100			Yageo	RC0402FR-07100RL	Yes	Yes
1	R5		30k			Yageo	RC0402FR-0730KL	Yes	Yes
1	R7		220m			Susumu	KRL2012E-M-R220-F-T5	Yes	Yes
1	U1		NCL30105DR2G			On Semiconductor	NCL30105DR2G	No	Yes