



Bill of Materials for the NIS4461MT1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
CDVDT	1	180pF				Yageo	CC0603FRNPO9BN181	Yes	Yes
CIMON,COUT1	2	1uF/50V				Taiyo Yuden	UMK107BJ105KA-T	Yes	Yes
CIN1	1	10uF/50V				Murata Electronics	GRM21BR61H106ME43L	Yes	Yes
COUT2,CIN2	2	56uF/35V				Nichicon	UUD1H560MNL1GS	Yes	Yes
D2	1	LED0603-YELLOW				Lite-On Inc	LTST-C191KSKT	Yes	Yes
D3	1	BAS16H				ON Semiconductor	BAS16HT1G	No	Yes
D4,LEDOUT	2	LED0603-GREEN				Lite-On Inc	LTST-C191TGKT	Yes	Yes
J13	0	DNP				DNP	EBC20DRTH	DNP	Yes
JCOUT2,JCIN2,JOUTPUTSHORT,JEN TOGND,JDVDT	5	HDR-2				3M	961102-6404-AR	Yes	Yes
JGND1,JGND2,JVout,JVCC	4	BANANA JACK				Keystone Electronics	575-8	Yes	Yes
M1,M2	2	2N7002KT1G				ON Semiconductor	2N7002KT1G	No	Yes
Q1	1	MMBT3904LT1G				ON Semiconductor	MMBT3904LT1G	No	Yes
R1	1	3MegOhm				Panasonic Electronic Components	ERJ-3GEYJ305V	Yes	Yes
R2,R3	2	1.1MegOhm				Panasonic Electronic Components	ERJ-3GEYJ115V	Yes	Yes
R4	1	20kOhm				Panasonic Electronic Components	ERJ-3GEYJ203V	Yes	Yes
R6	1	10KOhm				Panasonic Electronic Components	ERJ-3GEYJ103V	Yes	Yes
R5,RLEDOUT	2	100kOhm				Panasonic Electronic Components	ERJ-3GEYJ104V	Yes	Yes
RDIRECT	1	0Ohm				Panasonic Electronic Components	ERJ-6GEY0R00V	Yes	Yes
RIMON	1	1kOhm				Panasonic Electronic Components	ERA-3AEB102V	Yes	Yes
RLIMADJ	1	100Ohm				Bourns Inc.	3214X-1-101E	Yes	Yes
RLIMMIN	1	10Ohm				Yageo	RC0603FR-0710RL	Yes	Yes
SW1	1	PB-SW				E-Switch	TL1105FF160Q	Yes	Yes
TPRLIM1,TPGND1,TPRLIM2, TPGND2,TPGND3,TPVOUT,TPVCC, TPIMON,TPENABLE,GATE	10	TP-HOOK				Keystone Electronics	5002	Yes	Yes
U1	1	NIS4461MT1				ON Semiconductor		No	Yes
U2	0	DNP				DNP	DNP	DNP	Yes
ZDIN	1	33 Vz				ON Semiconductor	MM5Z33VT1G	No	Yes
SOUT	1	30 V Schottky				ON Semiconductor	MBR0530	No	Yes

