



Bill of Materials for the NIS6420MT1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
CDVDT	1	2.2nF/50 V 0603				Taiyo Yuden	UMJ107AB7222KAHT	Yes	Yes
C1MON,COUT1,CIN1	3	1uF/50V 0603				Taiyo Yuden	UMK107BJ105KA-T	Yes	Yes
CIN2,COUT2	2	56uF/35V				Nichicon	PCV1V560MCL1GS	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
All Test Points	11	TP-HOOK				Keystone Electronics	5002	Yes	Yes
JCOUT2,JOUTPUTSHORT,JENTOGND	4	HDR-2				3M	961102-6404-AR	DNP	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
R1MON	1	1k 0603				Panasonic	ERJ-3EKF1001V	Yes	Yes
RLIMADJ	1	50kOhm				Bourns Inc.	3214X-1-503ECT	Yes	Yes
RLIMMIN	1	4.99k 0603				Panasonic	ERJ-3EKF4991V	Yes	Yes
R1	1	3M 0603				Panasonic	ERJ-3GEYJ305V	Yes	Yes
R2,R3	2	1.1M 0603				Panasonic	ERJ-3EKF1104V	Yes	Yes
R5,RLEDOUT	1	51k 0603				Panasonic Electronic Components	ERJ-3GEYJ513V	Yes	Yes
R4,R6,RSASIN	4	10k 0603				Panasonic	ERJ-3EKF1002V	Yes	Yes
SW1	1	PB-SW				E-Switch	TL1105FF160Q	Yes	Yes
U1	1	NIS6420MT1				ON Semiconductor		No	Yes
ZDIN, ZDOUT	DNP	16 Vz				ON Semiconductor	MM3Z16VT1G	DNP	DNP
ZDSASIN	DNP	4.3 Volt Zener				ON Semiconductor	MM3Z4V3T1G	DNP	DNP
-	DNP	CON40				Sullins	EBC20DRTH	DNP	DNP