



Bill of Materials for the NCN5150QFNGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	NCN5150	-	-	QFN20	ON Semiconductor	NCN5150DR2G	No	Yes
C1	1	Capacitor	1uF, 6.3V	10%	0603	Multicomp	MCCA000515	Yes	Yes
C2	0	DNP	-	-	0603	-	-	-	-
C3	1	Capacitor	100nF, 50V	20%	0603	Multicomp	MCCA000256	Yes	Yes
C4	1	Capacitor	220uF, 10V	10%	Case E	AVX	TAJD227K010RNJ	Yes	Yes
C5	0	DNP	-	-	Case E	-	-	-	-
D1, D2, D4, D5	0	DNP	-	-	SOD-123	-	-	-	-
D3	1	Zener Transient Voltage Suppressor	400W	-	Case 403D	ON Semiconductor	1SMA40CAT3G	No	Yes
J1, J3, J4, J5	1	BOARD-BOARD CONN, SOCKET, 10WAY, 2ROW	-	-	4.8mm x 13mm	Multicomp	2214S-10SG-85	Yes	Yes
J2, J6	1	HEADER, SIDE ENTRY, 2WAY	-	-	-	IMO Precision	21.95MH/2	Yes	Yes
Q1, Q2	0	DNP	-	-	SOT-23	-	-	-	-
R1, R2, R3, R4, R5, R8, R11, R13, R15, R18	0	DNP	-	-	0603	-	-	-	-
R7, R9, R12, R16, R19, R22	1	Resistor	100 ohm, 62.5 mW	1%	0603	Multicomp	MC0.063W06031%100RFR	Yes	Yes
R6, R14, R17, R20	1	Jumper	0 ohm	-	0603	Multicomp	MC0603WG00000T5E-TR	Yes	Yes
R10, R21	1	Resistor	220 ohm, 62.5 mW	1%	0603	Multicomp	MC0.063W06031%220RFR	Yes	Yes
R23	1	Resistor	30K ohm, 62.5 mW	1%	0603	Multicomp	MC0.063W06031%30KFR	Yes	Yes
TP1	0	GND	-	-	-	-	-	-	-
TP2	0	3V3	-	-	-	-	-	-	-