



Bill of Materials for the NCN5193GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C5,C6,C10	4	Capacitor	100nF,16V	10%	0603	AVX	0603YC104KAT2A	Yes	Yes
C2,C3,C4	3	Capacitor	1uF,6.3V	10%	0603	AVX	06036D105KAT2A	Yes	Yes
C7	1	Capacitor	1nF,50V	10%	0603	AVX	06035C102KAT2A	Yes	Yes
C11	1	Capacitor	470pF,50V	10%	0603	AVX	06035C471KAT2A	Yes	Yes
C12	1	Capacitor	20pF,100V	5%	0603	AVX	06031A200JAT2A	Yes	Yes
C13	1	Capacitor	200pF,50V	1%	0603	AVX	06035A201FAT2A	Yes	Yes
C14	1	Capacitor	220pF,50V	5%	0603	AVX	06035A221JAT2A	Yes	Yes
C15	1	Capacitor	330pF,50V	5%	0603	AVX	06035A331JAT2A	Yes	Yes
IDC1,IDC2,IDC3,IDC4	4	IDC connector	IDC10	-	0603	Samtec	CES-105-02-T-D	Yes	Yes
JP1	1	Test mode jumper	MODE1	-	0603	Vishay	CRCW06030000Z0EA	Yes	Yes
JP2	1	Test mode jumper	MODE3	-	0603	Vishay	CRCW06030000Z0EA	Yes	Yes
JP3	1	Test mode jumper	MODE2	-	0603	Vishay	CRCW06030000Z0EA	Yes	Yes
R1,R3,R7,R8,C8,R9,C9,R13	8	DNP	DNP	-	0603	-	-	-	Yes
R2,R4,R12	3	Resistor	0R,100mW	1%	0603	Vishay	CRCW06030000Z0EA	Yes	Yes
R5,R6,R24,R25	4	Resistor	220k,100mW	1%	0603	Vishay	CRCW0603220KFKEA	Yes	Yes
R10	1	Resistor	14k7,100mW	1%	0603	Vishay	CRCW060314K7FKEA	Yes	Yes
R11	1	Resistor	200k,100mW	1%	0603	Vishay	CRCW0603200KFKEA	Yes	Yes
R19	1	Resistor	270k,100mW	1%	0603	Vishay	CRCW0603270KFKEA	Yes	Yes
R14, R20	2	Resistor	120k,100mW	1%	0603	Vishay	CRCW0603120KFKEA	Yes	Yes
R15	1	Resistor	2.2M,100mW	1%	0603	Vishay	CRCW06032M20FKEA	Yes	Yes
R16	1	Resistor	1.3M,100mW	1%	0603	Vishay	CRCW06031M30FKEA	Yes	Yes
R18,R22	2	Resistor	1.5M,100mW	1%	0603	Vishay	CRCW06031M50FKEA	Yes	Yes
R21,R26	2	Resistor	806k,100mW	1%	0603	Vishay	CRCW0603806KFKEA	Yes	Yes
R23, R17	2	Resistor	422k,100mW	1%	0603	Vishay	CRCW0603422KFKEA	Yes	Yes
R27	1	Resistor	174k,100mW	1%	0603	Vishay	CRCW0603174KFKEA	Yes	Yes
TP1, TP2, TP3, TP4, TP5	5	Test Point	DNP	-	0603	-	-	Yes	Yes
U1	1	HART Modem	NCN5193	-	QFN32	ON Semiconductor	NCN5193MNRG	No	Yes
U2	1	VREF regulator	LT1790-1.25	0.1%	SOT-23-6	Linear	LT1790BIS6-1.25#PBF	Yes	Yes
Y1	1	Ceramic resonator	CSTCC3M68G53-R0	0.5%	-	Murata	CSTCC3M68G53-R0	Yes	Yes