



Bill of Materials for the NCV7052XGEVK Evaluation Kit

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Ceramic Multilayer X7R Capacitor	330nF, 50 V	±10%	1812	AVX	18125C334KAT00J	YES	YES
C2, C10, C12,	3	Ceramic Multilayer X7R Capacitor	100nF, 10 V	±10%	0603	MULTICOMP	B0603R104KCT	YES	YES
C3	1	Ceramic Multilayer X7R Capacitor	10nF, 10 V	±10%	0402	PHYCOMP	CC0402KRX7R7BB103	YES	YES
C4, C5, C6, C7	4	Ceramic Multilayer X7R Capacitor	22pF, 10 V	±5%	0402	Kemet	C0402C220J5GAC	YES	YES
C8	1	Ceramic Multilayer X7R Capacitor	470nF, 10 V	±10%	0805	PHYCOMP	CC0805KRX7R6BB474	YES	YES
C9	1	Ceramic Multilayer X7R Capacitor	47nF, 50 V	±10%	0603	Kemet	C0603C473K5RAC	YES	YES
C15	1	Ceramic Multilayer X7R Capacitor	47nF, 10 V	±10%	1206	AVX	12065C473KAT2A	YES	YES
R1, R4	2	Chip Resistor	820W	±5%	0603	Multicomp	MC 0.063W 0603 1% 820R	YES	YES
R2, R34, R41, R51	4	Chip Resistor	1 kΩ	±1%	0603	Multicomp	MC 0.063W 0603 1% 1K	YES	YES
R3, R30, R31, R32, R33, R40	6	Chip Resistor	10 kΩ	±1%	0603	Multicomp	MC 0.063W 0603 1% 10K	YES	YES
R5, R6	2	Chip Resistor	56 W	±5%	0805	Panasonic	ERA6AEB560V	YES	YES
R13	1	Open Air Sense Resistor	0.010 Ω, 3 W	±10%	15.25mm x 1.65mm	Welwyn	OAR3 - R010FI	YES	YES
R35, R36, R37	3	Chip Resistor	4.7 kΩ	±5%	0603	Multicomp	MC 0.063W 0603 1% 4K7	YES	YES
D1	1	MBRD640CTT4G	-	-	DPAK 3	ON Semiconductor	MBRD640CTT4G	NO	YES
D51	1	BAS21	-	-	SOT-23	NXP	BAS21	YES	YES
D31	1	MBRM120LT1G	-	-	Powermite	ON Semiconductor	MBRM120LT1G	NO	YES
IC1	1	L78M05CDT	-	-	DPAK	ST Microelectronics	L78M05CDT	YES	YES
IC2	1	UPD78F0886GA(A)-GAM-AX	-	-	LQFP-48	NEC	UPD78F0886GA(A)-GAM-AX	YES	YES
IC3	1	AMIS42665	-	-	SOIC8	ON Semiconductor	AMIS42665	NO	YES
IC12	1	SN74AHC1G125DBVR	-	-	SOT-23	Texas Instruments	SN74AHC1G125DBVR	YES	YES
IC13	1	MM74HC125M	-	-	SOIC-14	Fairchild	MM74HC125M	YES	YES
IC60	1	PESD1CAN	-	-	SOT23	NXP	PESD1CAN	YES	YES
LED1, LED2	2	LED	-	-	4.5mm x 2.2mm	Kingbright	KA-3022SGC-4.5SF	YES	YES
LED3	1	LED	-	-	4.5mm x 2.2mm	Kingbright	KA-3022SRC-4.5SF	YES	YES
CON1	1	Connector	-	-	-	Harwin	M80-8501445	YES	YES
CON2	1	Connector	-	-	-	Harwin	M80-8501245	YES	YES
CON3	1	4WAY Termianl Block	-	-	-	IMO	20.501M/4	YES	YES
CON4	1	DC Power Socket	-	-	14mm x 11mm	Cliff Electronic Components	DC10A	YES	YES
CON5, CON8, CON11, CON12	4	Socket	-	-	10.25mm x 5.8mm	Hirschmann	MPB1 Red	YES	YES
CON6, CON7	2	Socket	-	-	10.25mm x 5.8mm	Hirschmann	MPB1 Black	YES	YES
CON9	1	CONN MODULAR JACK	-	-	-	Molex	95501-2661	YES	YES
CON10	1	CONN MODULAR JACK	-	-	-	Molex	95501-2441	YES	YES
CON13	1	Wire-to-Board Connector	-	-	-	Multicomp	MC9A12-1634	YES	YES

CON15	1	RS-232 Connector	-	-	-	Kycon	K202XHT-E9S-N	YES	YES
CON51	1	ONN JACK SMB STRGHT 50 OHM	-	-	-	Tyco	1-1337482-0	YES	YES
J1, J2, J13, J14, J20	5	Jumper	-	-	-	Tyco	826936-2	YES	YES
J51	1	Jumper	-	-	-	Tyco	826936-3	YES	YES
S1, S2	2	Switch	-	-	4.3mm x 6mm	Multicomp	MCDTS6-1K	YES	YES
TP1 ... TP26, TP29	27	Test Point	-	-	-	Vero	20-2137	YES	YES
X1	1	Crystal	-	-	Watch B	IQD Freq Products	LF A103C	YES	YES
X2	1	Crystal	-	-	HC49/S	IQD Freq Products	LF A147K	YES	YES
	4	FEET, STICK ON	-	-	-	3M	SJ5306TRANS	YES	YES