



Bill of Materials for the NV78763RLA11GEVK Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C4, C5, C6, C9	4	4U7F 1206 50V X7R	4.7uF	10%	C1206	MULTICOMP	2320908	Yes	Yes
C1, C2	2	4U7F 1206 50V X7R	4.7uF	10%	C1206	MULTICOMP	2320908	Yes	Yes
C3, C31, C32	3	220PF 0603 100V COG	220nF	5%	C0603	KEMET	1813437	Yes	Yes
C7, C8, C55	3	2.2UF 1210 100V X7R	2.2uF	10%	C1210	KEMET	1793832	Yes	Yes
C10	1	22UF CAPEA G 100V low ESR	22uF	-	CAPEA G	PANASONIC	2079243	Yes	Yes
C13	1	470NF 0805 100V X7R	470nF	10%	C0805	AVX	1867963	Yes	Yes
C15	1	100NF 0603 50V X7R	100nF	10%	C0603	MULTICOMP	1759122	Yes	Yes
C17, C27	2	10NF 0805 100V X7R	10nF	10%	C0805	MULTICOMP	1759295	Yes	Yes
C18, C19, C20, C28, C29, C30, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54	18	100NF_0805_100V_X7R	100nF	10%	C0805	KEMET	2070444	Yes	Yes
C23, C24	2	470NF 0805 25V X7R	470nF	10%	C0805	KEMET	1288281	Yes	Yes
C25, C26	2	47PF 0603 50V COG	47pF	5%	C0603	MULTICOMP	1759062	Yes	Yes
C33	1	2.2NF 0603 25V COG	2.2nF	5%	C0603	KEMET	1457726	Yes	Yes
C34, C35, C41	3	100NF 0603 16V X7R	100nF	10%	C0603	MULTICOMP	1759016	Yes	Yes
C36, C37, C38, C39	4	470PF_0603_50V_COG	470pF	5%	C0603	MULTICOMP	1759080	Yes	Yes
C40	1	1UF 0805 50V X7R	1uF	10%	C0805	MULTICOMP	2118131	Yes	Yes
C42	1	220UF 10V CAPEA F	220uF	20%	CAPEA F	PANASONIC	2079289	Yes	Yes
D1, D2, D3, D8, D10, D12	6	MBRA2H100_SMA	MBRA2H100	-	SMA	ON SEMICONDUCTOR	MBRA2H100T3G	No	Yes
D4	1	BAS21DW5T1G_SOT353	BAS21DW5T1G	-	SC-88A	ON SEMICONDUCTOR	BAS21DW5T1G	No	Yes
D5	1	BAS21LT1G_SOT23	BAS21LT1G	-	SOT23	ON SEMICONDUCTOR	BAS21LT1G	No	Yes
D6	1	BZX84C39_SOT23	BZX84C39	-	SOT23	ON SEMICONDUCTOR	BZX84C39LT1G	No	Yes
D7	1	BAV99L_SOT23	BAV99L	-	SOT23	ON SEMICONDUCTOR	BAV99LT1G	No	Yes
D9, D11, D13	3	BZX84C15_15V_SOT23	BZX84C15	-	SOT23	ON SEMICONDUCTOR	BZX84C15LT3G	No	Yes
D14, D15, D16	3	BZX84C39_39V_SOT23	BZX84C39	-	SOT23	ON SEMICONDUCTOR	BZX84C39LT1G	No	Yes
D17, D18, D19, D20	4	BZX84C5V6_5V6_SOT23	BZX84C5V6	-	SOT23	ON SEMICONDUCTOR	BZX84C5V6LT1G	No	Yes
L1, L2, L3	3	XAL5050-223MEC	22uH	-	XAL5050	ON SEMICONDUCTOR	XAL5050-223MEC	No	Yes
L4, L6	2	MSS1038T-104MLC	100uH	-	MSS1038T	ON SEMICONDUCTOR	MSS1038T-104MLC	No	Yes
L5, L7, L8, L9, L10	5	3A_60Ohm@100MHz	Worth 742792063	-	L0805	ON SEMICONDUCTOR	1635730	No	Yes
P1a	1	87438-0443	MOLEX PICO_SPOX 4W	-	PICO-SPOX, 4WAY, R/A	ON SEMICONDUCTOR	1711329	No	Yes
P2a, P3a	2	PICO-SPOX, 2WAY, R/A	MOLEX PICO_SPOX 2W	-	PICO-SPOX, 2WAY, R/A	ON SEMICONDUCTOR	1711327	No	Yes
P4	1	Header 3X2	HEADER, THT, 2.54MM, 6WAY	-	HDR2X3	ON SEMICONDUCTOR	1022231	No	Yes
P5	1	Header 2	5-826629-0	-	HDR1X2	TE CONNECTIVITY	3418388	Yes	Yes
Q1	1	NVD6416_DPAK	NVD6416	-	DPAK	ON SEMICONDUCTOR	NTD6416ANT4G	No	Yes
Q2	1	NVTFSS116PL_0.052R_u8FL	NVTFSS116PL	-	U8FL	ON SEMICONDUCTOR	NVTFSS116PLTWG	No	Yes
Q3, Q4	2	NVTFSS124PL_0.260R_u8FL	NVTFSS124PL	-	U8FL	ON SEMICONDUCTOR		No	Yes
R1	1	100R 0603 1%	100R	1%	R0603	BOURNS	2008332	Yes	Yes
R2	1	1R 0805 1%	1R	1%	R0805	MULTICOMP	2141629RL	Yes	Yes
R3	1	100K 0603 0.1W 1%	100k	1%	R0603	VISHAY	1469649	Yes	Yes
R4	1	5R6 0805 0.125W 1%	5R6	1%	R0805	MULTICOMP	2141675	Yes	Yes
R6	1	0R01 1206 1%	0R01	1%	R1206	BOURNS	2008326	Yes	Yes
R9, R14	1	0R2 1206 1%	0R2	1%	R1206	WELWYN	1100337	Yes	Yes
R11, R20, R28, R32, R33, R34, R35, R36, R37, R38, R39, R40	12	10K_0603_0.1W_1%	10k	1%	R0603	VISHAY	1469748	Yes	Yes
R12, R19	2	22K 0603 1%	22k	1%	R0603	VISHAY	1469779	Yes	Yes
R13, R15, R25, R26	4	100R 0603 0.1W 1%	100R	1%	R0603	BOURNS	2008332	Yes	Yes
R18, R23, R27	3	100R 1206 0.062W 5%	100R	5%	BCN16	YAGEO	9241191	Yes	Yes
R21	1	470K 0603 0.1W 1%	470k	1%	R0603	VISHAY	1469814	Yes	Yes
R24	1	100K 1206 0.062W 5%	100k	5%	BCN16	YAGEO	9241370	Yes	Yes
R29, R30, R31	3	10R 0805 0.25W 5%	10R	5%	R0805	PANASONIC	1750726	Yes	Yes
R41, R42, R43	3	68K 0603 1%	68k	1%	R0603	YAGEO	9238700	Yes	Yes
R44, R45, R46	3	1K 0603 0.1W 1%	1k	1%	R0603	VISHAY	1469740	Yes	Yes
RB1, RB2, RB3, RB4	4	RubberPad		-		MULTICOMP	1800872	Yes	Yes
S1	1	HEADER1X2		-	HDR1X2	TE CONNECTIVITY	3418388	Yes	Yes
T1	1	BC846BPDW1_SOT363	BC846BPDW1	-	SOT-363	ON SEMICONDUCTOR	BC846BPDW1T1G	No	Yes
T2, T3, T4	3	MUN2211_SOT23	MUN2211	-	SOT23	ON SEMICONDUCTOR	MUN2211T1G	No	Yes
TP1, TP2, TP3, TP4, TP5	5	TP		-	TP_1mm	VERO	8731128	Yes	Yes
U1	1	NCV78763	NCV78763	-	QFN32 5x5	ON SEMICONDUCTOR	NCV78763_QFN	No	Yes
U2	1	AT1634	AT1634	-	20M1 4WAY	ATMEL	761-7709	Yes	Yes
P1a_female	1		Female for P1a	-	1.5MM, 4WAY	MOLEX	87439-0400	Yes	Yes
P2a_female, P3a_female	2		Female for P2a, P3a	-	1.5MM, 2WAY	MOLEX	87439-0200	Yes	Yes