

Bill of Materials for the NCP3284GEVB Evaluation Board

Designator	Quantity	Description	Value	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C2,C3,C201,C202,C203	6	Capacitor	10uF	1206	PANASONIC	ECJ3YB1E106K	Yes	Yes
C4	1	Capacitor	0.22uF	0603	TDK	C1608X7R1E224K	Yes	Yes
C31	1	Capacitor	4.7uF	0805	PANASONIC	ECJ-2FB1E475M	Yes	Yes
C42,C45,C46,C50,C212,C213,C226,C227,C232,C234,C236,C237,C240,C242,C243,C245,C246	17	Capacitor	22uF	0805	TDK	C2012X5R0J226M	Yes	Yes
C48	1	Capacitor	DNP	0603	TDK	C2012X5R0J226M	Yes	Yes
C51	1	Capacitor	DNP	0603	VITRAMON	VJ0603Y102KXAAT	Yes	Yes
C56	1	Capacitor	10pF	0603	VITRAMON		Yes	Yes
C71,C73	2	Capacitor	22uF	0805	TDK	C2012X5R0J226M	Yes	Yes
C72	1	Capacitor	100pF	0603	PANASONIC	ECJ1VC1H101J	Yes	Yes
C79	1	Capacitor	1uF	0603	TDK	C1608X7R1E105K	Yes	Yes
C101,C102	2	Capacitor	1nF	0603	VITRAMON	VJ0603Y102KXAAT	Yes	Yes
C106,C637	2	Capacitor	0.1uF	0603	TDK	C1608X7R1E104K	Yes	Yes
C107	1	Capacitor	0.1uF	0603	TDK	C1608X7R1E104K	Yes	Yes
C122	1	Capacitor	68uF	7343	SANYO	25TQC68MYF	Yes	Yes
C177,C183,C184	3	Capacitor	22uF	0805	TDK	C2012X5R0J226M	Yes	Yes
C208,C218	2	Capacitor	DNP	7343	-	-	Yes	Yes
C211,C219	2	Capacitor	470uF	7343	-	-	Yes	Yes
C221	1	Capacitor	10uF	0805	KEMET	C0805C106K9PACTU	Yes	Yes
C249	1	Capacitor	1uF/25V	0603	TDK		Yes	Yes
C295	1	Capacitor	100pF	0603			Yes	Yes
C639,C640,C641,C642,C643,C644,C645,C646,C647,C648	10	Capacitor	DNP	1206	Kemet	C1206C476M8PACTU	Yes	Yes
D22	1	LED Diode	GRN	SMLD1206	DIALIGHT	597-3311-407F	Yes	Yes
J3,J4,J5,J6	4	DNP	DNP	SCH_MTG_NLX_N156	-	-	Yes	Yes
J9,J75	2	CONN HEADER VERT	2PIN	JTHI_HDR1R2PS	3M	929647-01-02-EU	Yes	Yes
J13,J113,J117	3	2 Row Header	2PIN	HDR1X2	MOLEX	10-88-1021	Yes	Yes
J18,J66,J67,J72	4	Test Points	TP	HDR1X1	JLLINS ELECTRONICS COR	PEC36SAAN	Yes	Yes
TP8,TP17,TP28,TP29,J40,J41,J45,J61,J62,J63,J116	11	Test Points	TP	TPTH1_100R63	Mill-Max	2308-2-00-44-00-00-07-0	Yes	Yes
J69,J70,J71,J74	4	4Pin Terminal	4PIN	TRM4	KEYSTONE ELECTRONICS	8191	Yes	Yes
J73	1	2Pin Term Blk	2PIN/TERM BLK	TERM_BL	PHOENIX CONTACT	1729128	Yes	Yes
J78	1	3PIN/1ROW	3PIN/1ROW	JTHI_HDR1R3PS	MOLEX	22-10-2031	Yes	Yes
L1	1	Inductor	210nH	LSMM_TOKO_FDVO630	Pulse	FP1108R-R21-R	Yes	Yes
Q41	1	FET	2N7002	QSMI_SOT23	ON SEMICONDUCTOR	2N7002LT1G	No	Yes
R17	1	Resistor	1.0k	0603	DALE		Yes	Yes
R34,R48	2	Resistor	0	0603	DALE	CRCW06030000Z0EA	Yes	Yes
R37	1	Resistor	33.2k	0603	PANASONIC		Yes	Yes
R86	1	Resistor	301	0603	DALE	CRCW0603301RFRT1E3	Yes	Yes
R92	1	Resistor	10k	0603	DALE	CRCW060310K0FRT1E3	Yes	Yes
R130	1	Resistor	27.4k	0603			Yes	Yes
R131	1	Resistor	95.3k	0603			Yes	Yes
R155	1	Resistor	51.1	0603	DALE	CRCW0603100RFRT1E3	Yes	Yes
R156,R157	2	Resistor	51.1	0603	DALE		Yes	Yes
R164,R196,R275,R280,R284	5	Resistor	0	0603	DALE	CRCW0603000ZTE3	Yes	Yes
R165	1	Resistor	DNP	0805	DALE	CRCW0603000ZTE3	Yes	Yes
R169	1	Resistor	1.10k	0805	DALE	CRCW08051K10FRT1E3	Yes	Yes
R170	1	Resistor	10.0k	0805	DALE		Yes	Yes
R171	1	Resistor	0.1 OHM	1206	VISHAY/DALE	WSL1206 0.1 1%	Yes	Yes
R176	1	Resistor	10m OHM	3637_4-TERM	VISHAY/DALE	WSL3637R0100FEA	Yes	Yes
R177	1	Resistor	0	1206	DALE	CRCW1206000ZT1E3	Yes	Yes
R181,R182,R188	3	Resistor	10k	0402	DALE	CRCW040210K0FRT1E3	Yes	Yes
R189	1	Resistor	21.5k	0603			Yes	Yes
R237	1	Resistor	1	0603	DALE	CRCW0603000ZTE3	Yes	Yes
R276	1	Resistor	121k	0603	-	-	Yes	Yes
R277	1	Resistor	1.0k	0603	DALE	CRCW0603000ZTE3	Yes	Yes
R278	1	Resistor	11.8k	0603	-	-	Yes	Yes
R279	1	Resistor	2	0603	DALE	CRCW060310R0FRT1E3	Yes	Yes
R281,R283,R345,R346	4	Resistor	DNP	0603			Yes	Yes
R285	1	Resistor	200k	0603			Yes	Yes
R342,R343	2	Resistor	DNP	0603	DALE	CRCW0603000ZTE3	Yes	Yes
R344	1	Resistor	DNP	0603	DALE		Yes	Yes
SW3	1	Switch	SPDT	STHI_CK_ET01	C&K	ET01MD1CBE	Yes	Yes
U13	1	IC	NCP5661MNADJT2G	SMM_DFN06_3POX3P3XOP95	ON SEMICONDUCTOR	NCP5661MNADJT2G	Yes	Yes
U14	1	IC	NL27WZ00	USMM_VSSOP8	ON SEMICONDUCTOR	NL27WZ00USG	No	Yes
U15	1	IC	MC74VHC1G32	USMI_SOT235	ON SEMICONDUCTOR	MC74VHC1G32DTT1G	No	Yes
U17	1	IC	NCP3284AMNTXG	37-PQFN (5x6)	ON SEMICONDUCTOR	NCP3284AMNTXG	No	Yes