



Bill of Materials for the NCV97200GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
CBST1, CDRV1	2	CAP CER 0.1UF 50V X7R 0402	0.1uF	10%	402	Murata Electronics North America	GCM155R71H104KE02D	Yes	Yes
CCOMP1	1	CAP CER 560PF 50V COG/NP0 0402	560pF	5%	402	Murata Electronics North America	GCM1555C1H561JA16D	Yes	Yes
CCOMP2	1	CAP CER 10PF 50V COG/NP0 0402	10pF	5%	402	Murata Electronics North America	GCM1555C1H100JA16D	Yes	Yes
CIN0	1	CAP CER 0.1UF 50V X7R 0402	0.1uF	10%	402	Murata Electronics North America	GCM155R71H104KE02D	Yes	Yes
CIN1, CIN2	2	CAP CER 4.7UF 50V X7R 1206	4.7uF	10%	1206	TDK Corporation	C3216X7R1H475K160AC	Yes	Yes
CIN3	1	CAP CER 1UF 50V X7R 0805	1uF	10%	805	Murata Electronics North America	GCM21BR71H105KA03L	Yes	Yes
CIN4	1	CAP CER 2.2UF 50V X7R 1206	2.2uF	10%	1206	Murata Electronics North America	GCM31CR71H225KA55L	Yes	Yes
CIN5	1	CAP ALUM 100UF 20% 50V SMD	100uF	20%	FK_V_E	United Chemi-Con	EMZA500ADA101MHA0G	Yes	Yes
COU1, COU2, COU3	3	CAP CER 10UF 10V X7R 0805	10uF	10%	805	Murata Electronics North America	GCM21BR71A106KE22L	Yes	Yes
COU4, COU5	2	CAP CER 4.7UF 16V X7R 0805	4.7uF	10%	805	Murata Electronics North America	GCM21BR71C475KA73L	Yes	Yes
CWT	1	CAP CER 100PF 50V COG/NP0 0402	100pF	5%	402	Murata Electronics North America	GCM1555C1H101JA16D	Yes	Yes
D1	1	DIODE SCHOTTKY 40V 4A 5DFN	40V / 4A	N/A	MBR340MFS	ON Semiconductor	NRVB440MFST1G	No	Yes
D2	1	DIODE SCHOTTKY 40V 1A SMA	40V / 1A	N/A	SMA_DIODE	ON Semiconductor	NRVBA140T3G	No	Yes
J1	1	CONN HEADER 2POS .100 VERT	N/A	N/A	JMP	Molex Connector Corporation	22-28-4023	Yes	Yes
	1	CONN JUMPER SHORTING GOLD	N/A	N/A	JMP	Sullins Connector Solutions	SSC02SYAN	Yes	Yes
L0	1	INDUCTOR POWER 1UH 8.7A SMD	1uH	20%	XAL4030-472	Coilcraft	XAL4020-102ME	No	Yes
L1	1	INDUCTOR POWER 3.3UH 5.5A SMD	3.3uH	20%	XAL4030-472	Coilcraft	XAL4030-332ME	No	Yes
L2	1	INDUCTOR POWER 4.7UH 0.72A SMD	4.7uH	20%	XFL3010	Coilcraft	XFL3012-472ME	No	Yes
RCOMP1	1	RES SMD 12.4K OHM 1% 1/10W 0603	12.4K	1%	603	Vishay Dale	CRCW060312K4FKEA	Yes	Yes
RIDV1, RIDV2	2	RES SMD 0.00OHM JUMPER 1/10W 0603	0	N/A	603	Vishay Dale	CRCW06030000Z0EA	Yes	Yes
RLIM1	1	RES SMD 10 OHM 1% 1/10W 0603	10	1%	603	Vishay Dale	CRCW060310R0FKEA	Yes	Yes
RVML	1		OPEN		603			Yes	Yes
R1, R2, R3, RVMU	4	RES SMD 10K OHM 1% 1/10W 0603	10K	1%	603	Vishay Dale	CRCW060310K0FKEA	Yes	Yes
COMP1, DRV1, RID1, RID2, RID3, RID4, VIND, VMEXT, WDT	9	CIRCUIT PIN PRNTD .020"D .425"L	DNP	N/A	SMALLTP	Mill-Max Manufacturing Corp.	3128-2-00-15-00-00-08-0	Yes	Yes
EN1, PGND1_1, PGND1_2, PGND4_1, RSTB_VM, RSTB1, RSTB2, SW1, SW2, SYNC1, SYNC11, VBAT, VOUT1_1, VOUT2, VOUT_VM, WDI, WDI1	17	PIN INBOARD .042" HOLE 1000/PKG	N/A	N/A	TP	Vector Electronics	K24C/M	Yes	Yes
GND0, GND1, VBAT_UP, VOUT1	4	CONN JACK BANANA UNINS PANEL MOU	N/A	N/A	BANANA	Emerson Network Power Connectivity Johnson	108-0740-001	Yes	Yes
MNT1	1	18-8 Stainless Steel Male-Female Threaded Hex Standoff, 1/4" Hex Size, 1/2" Length, 4-40 Thread Size	N/A	N/A	#4MOUNT	McMaster-Carr	91075A432	Yes	Yes
	1	18-8 Stainless Steel Locknut with External-Tooth Lock Washer, 4-40 Thread Size	N/A	N/A	#4MOUNT	McMaster-Carr	96278A005	Yes	Yes
U1	1	Automotive Multi-Output PMU	N/A	N/A	QFN20_4X4_P5	ON Semiconductor	NCV97200MW33R2G	No	Yes