

ON Semiconductor



Bill of Materials for the NCV7703GEVB Demoboard

5/29/2012

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	NCV7703	N/A	N/A	SON-14	ON Semiconductor	NCV7703BD2R2G	No	Yes
U2	1	NCV8501	5V	-	SO-8	ON Semiconductor	NCV8501D50G	No	Yes
C2, C3, C7	N/A	Output Capacitor*	10pF to 100pF (typ)	N/A	0805	User Supplied	N/A	N/A	N/A
C5	1	VB+ Power Supply Capacitor	330uF, 50V	20%	Radial 200 mil spacing	United Chemi-Con	ELXZ500ELL331MJ25S	Yes	Yes
C12, C22	1	VCC Power Supply Capacitor NCV8501 Bypass Capacitor	0.1uF, 50V	10%	1206	Yageo America	CC1206KRX7R9BB104	Yes	Yes
C14, C15, C16	3	SPI Input Capacitor	10pF, 50V	5%	0805	Yageo America	CC0805JRNP09BN100	Yes	Yes
R1	1	EN input Resistor	1k	1%	0805	Yageo America	RC0805FR-071KL	Yes	Yes
R2, R5, R6, R7	4	SPI Input Resistor	100	1%	0805	Yageo America	RC0805FR-07100RL	Yes	Yes
R3	1	NCV8501 EN Input Resistor	10k	1%	0805	Yageo America	RC0805FR-0710KL	Yes	Yes
R4	1	LED Current Setting Resistor	470	1%	0805	Yageo America	RC0805FR-07470RL	Yes	Yes
R8, R9	2	EN Pulldown Resistor CSB Pullup Resistor	100k	1%	0805	Yageo America	RC0805FR-07100KL	Yes	Yes
D1	1	VCC Operational green LED	N/A	N/A	2246	Panasonic	LN11361CTR	Yes	Yes
5V, EN	2	Jumper	-	-	-	Sullins Electronic Corp	SSC02SYAN	Yes	Yes
5V, EN	4	Jumper Posts	-	-	100mil spacing	Molex-Waldom Electronics Corp	22-28-4023	Yes	Yes
Various	19	Connector Posts	-	-	42mil diameter	Vector Electronics	K24C/M	Yes	Yes