

Bill of Materials for the NCV7705GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C6	1	ELEC CAP 100UF 50V X7R ON_100100_CAP	100UF/50V	20%	ON_100100_CAP	Rubycon	50THV100M10X10.5	Yes	Yes
C5,C9,C10,C11, C12,C13,C14,C15, C16,C17,C18, C19,C20	1	CAP CER 4.7nF 50V X7R 0603	4.7nF/50V	10%	603	Murata	GCM188R71H472KA37D	Yes	Yes
C7	2	CAP CER 220nF 50V X7R 0603	220nF/50V	10%	603	Murata	GCM188R71H224KA64D	Yes	Yes
C8	2	CAP CER 100nF 16V X7R 0603	100nF/16V	10%	603	Murata	GCM188R71C683KA37D	Yes	Yes
C21	1	CAP CER 22uF 16V X7R 1210	22uF/16V	10%	1210	Murata	GCM32ER71C226KE19L	Yes	Yes
C1,C2,C3,C4, C22	1	CAP CER 100nF 50V 10% X7R 0603	100nF/50V	10%	603	Murata	GCM188R71H104KA57D	Yes	Yes
R2,R3	2	RES 100K OHM 1/10W 1% 0603 SMD	100k	1%	603	Yageo	RC0603FR-07100KL	Yes	Yes
R4	1	RES 10K OHM 1/10W 1% 0603 SMD	10K	1%	603	Yageo	RC0603FR-0710KL	Yes	Yes
R5,R6,R7,R8,R9, R10	10	RES 100 OHM 1/10W 1% 0603 SMD	100	1%	603	Yageo	RC0603FR-07100RL	Yes	Yes
R11	1	RES 2.2K OHM 1/10W 1% 0603 SMD	2.2K	1%	603	Yageo	RC0603FR-072K2L	Yes	Yes
D1	1	36V TVS	P6SMB36CAT3	N/A	SMB	ON Semiconductor	P6SMB36CAT3	Yes	Yes
Q1	1	NMOSFET	1EXD1A	N/A	DPAK	ON Semiconductor	NTD5802NT4G	Yes	Yes
Q2	1	NMOSFET	1EXD1A	N/A	DPAK	ON Semiconductor	NTD20N06T4G	Yes	Yes
Z1	1	15V Zener Voltage Regulators	15V	5%	SOD323	ON Semiconductor	MM3Z15VT1G	Yes	Yes
LED5V	1	Red LED, 0805	LED_Red 0805	N/A	805	N/A	LED_Red	Yes	Yes
U1	1	ASSP	N/A	N/A	UUUH_OU	ON Semiconductor	NCV7705DQR2G	Yes	Yes
U2	1	LDO	5V	2%	Sot223	ON Semiconductor	NCV4264	Yes	Yes