



Bill of Materials for the NCV7240GEVK Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1 thur C15, C20, C22, C23	18	CAP CER .1UF 50V 10% X7R 0805	0.1uF	10%	805	Murata Electronics North America	GRM21BR71H104KA01L	Yes	Yes
C16, C17, C21	3	CAP CER 1UF 50V X7R 0805	1.0uF	10%	805	Murata Electronics North America	GRM21BR71H105KA12L	Yes	Yes
C18, C19	2	CAP CER 22UF 16V X5R 1206	22uF	20%	1206	Murata Electronics	GRM31CR61C226ME15L	Yes	Yes
D1 thur D11	11	LED GREEN CLEAR THIN 0805 SMD	N/A	N/A	805	Lite-On Inc	LTST-C171GKT	Yes	Yes
J1, J2, J10 thur	20	TEST POINT PC MULTI PURPOSE RED	N/A	N/A	TP	Keystone Electronics	5010	Yes	Yes
J3 thur J9, J32	7	CONN TERM BLOCK 2POS 5.08MM PCB	N/A	N/A	MKDSN2	Phoenix Contact	1729128	No	Yes
J24	1	CONN HEADER VERT 24POS .100 GOLD	N/A	N/A	FRC24 VERT	TE Connectivity	5499910-5	No	Yes
J28, J29, J31	3	CONN HEADER 2POS .100 VERT GOLD	N/A	N/A	JMP	Molex Connector Corporation	22-28-4024	Yes	Yes
M1	1	MOSFET N-CH 20V 750MA SOT23	20V / 0.75A	N/A	SOT23	ON Semiconductor	MGSF1N02LT1G	No	Yes
R1, R12 thur R19, R24, R25	11	RES 620 OHM 1/8W 1% 0805 SMD	620	1%	805	Vishay/Dale	CRCW0805620RFKEA	Yes	Yes
R2, R3, R5 thur R11	9	RES 0.0 OHM 1/10W 0603 SMD	0	Jumper	603	Panasonic- ECG	ERJ-3GEY0R00V	Yes	Yes
R4	1	RES 200 OHM 1/8W 1% 0805 SMD	200	1%	805	Vishay/Dale	CRCW0805200RFKEA	Yes	Yes
R20	1	RES 0.0 OHM 1/8W 0805 SMD	0	Jumper	805	Vishay/Dale	CRCW0805000Z0EA	Yes	Yes
R21	1	RES 10.0K OHM 1/8W 1% 0805 SMD	10.0K	1%	805	Vishay/Dale	CRCW080510K0FKEA	Yes	Yes
R22	1	RES 14.7K OHM 1/8W 1% 0805 SMD	14.7K	1%	805	Vishay/Dale	CRCW080514K7FKEA	Yes	Yes
R23	1	RES 30.9K OHM 1/8W 1% 0805 SMD	30.9K	1%	805	Vishay/Dale	CRCW080530K9FKEA	Yes	Yes
R26	1	RES 2.00 OHM 1/8W 1% 0805 SMD	2	1%	805	Vishay/Dale	CRCW08052R00FKEA	Yes	Yes
U1	1	Octal Low-Side Relay Driver	N/A	N/A	SSOP24	ON Semiconductor	NCV7240	No	Yes
U2	1	IC FLIP-FLOP DUAL CMOS 14SOIC	N/A	N/A	SOIC14 N	ON Semiconductor	MC14013BDR2G	No	Yes
U3	1	Single Inverter	N/A	N/A	SOT-953	ON Semiconductor	NL17SH04P5T5G	No	Yes
U4	1	IC LATCH OCTAL D 3STATE 20-TSSOP	N/A	N/A	TSOP-20-2	ON Semiconductor	MC74HC573ADTG	No	Yes
U5	1	IC EEPROM 1KBIT 1MHZ 8SOIC	N/A	N/A	SOIC8 N	ON Semiconductor	CAT93C56VI-GT3	No	Yes
U6	1	IC REG LDO 400MA ADJ D-PAK	N/A	N/A	DPAK5	ON Semiconductor	NCV4276BDTADJRKG	No	Yes
U7	1	IC REG LDO 400MA 5.0V DPAK	N/A	N/A	DPAK3	ON Semiconductor	NCV4274ADT50RKG	No	Yes