



Bill of Materials for the NCV7451V1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
Cbuf	1	Aluminum Capacitor SMD	47UF, 50V	20%	6x7mm	WURTH ELEKTRONIK	865060645008	Yes	Yes
Cvs1	1	Ceramic Capacitor SMD	100NF, 50V, X7R	10%	0603	WURTH ELEKTRONIK	885012206095	Yes	Yes
Ch, Cl	2	Ceramic Capacitor SMD	47PF, 50V, X7R	10%	0603	WURTH ELEKTRONIK	885012006055	Yes	Yes
Cst	1	Ceramic Capacitor SMD	4.7NF, 50V, X7R	10%	0603	WURTH ELEKTRONIK	885012206087	Yes	Yes
Cw	1	Ceramic Capacitor SMD	10NF, 50V, X7R	10%	0805	WURTH ELEKTRONIK	885012206089	Yes	Yes
Cvr	1	Ceramic Capacitor SMD	4.7UF, 10V, X5R	10%	0603	WURTH ELEKTRONIK	885012107009	Yes	Yes
Rth, Rtl	2	Resistor SMD	62R	1%	1206	WELWYN	WCR 1206 62R	Yes	Yes
Rh, Rl	2	Resistor SMD	0.0R	-	1206	WELVYN	WCR 1206 0R0	Yes	Yes
Rled	1	Resistor SMD	1.0k	5%	0603	PHYCOMP	232270260102	Yes	Yes
Rw	1	Resistor SMD	3.3k	5%	0603	MULTICOMP	MC 0.063W 0603 1% 3k3	Yes	Yes
Rwpu	1	Resistor SMD	33k	5%	0603	VISHAY	CRCW060333K0FKEA	Yes	Yes
Drev	1	Standard Recovery Power Rectifier 1A/300V	MRA4003T3	-	SMA	ON SEMICONDUCTOR	MRA4003T3G	Yes	Yes
LED_RSTN	1	LED DIODE RED 20mA	WL-SMCW	-	0603	WURTH ELEKTRONIK	150060RS75000	Yes	Yes
U1	1	System Basis Chip (5V/250mA LDO, WD, CAN-FD, Wake)	NCV7451	-	DFNW14	ON SEMICONDUCTOR		No	Yes
GND	1	SCOPEGND	LINK, SHORTING, 0.4"	-	SCOPEGND	Harwin	D3082F05	Yes	Yes
CANEN_hi, WDEN_lo	2	HEADER 1 ROW 2 PINS	HEADER 1x2	-	X2APH	WURTH ELEKTRONIK	61300211121	Yes	Yes
IO	1	SIL HEADER 14 pins, Right Angle	HEADER 1X14 ANGLE	-	X14APH_ANGLE	SAMTEC	TSW-114-08-F-S-RA	Yes	Yes

