



Bill of Materials for the NCV7450V1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
Cbuf1	1	Aluminum Capacitor SMD	47UF, 50V	20%	6x7mm	NICHICON	UUD1H470MCL1GS	Yes	Yes
Cvs1, Cvs2	2	Ceramic Capacitor SMD	100NF, 50V, X7R	10%	0603	KEMET	C0603C104K5RAC	Yes	Yes
Ch, Cl	2	Ceramic Capacitor SMD	47PF, 50V, X7R	10%	0603	KEMET	C0603C470J5GAC	Yes	Yes
Cst	1	Ceramic Capacitor SMD	4.7NF, 50V, X7R	10%	0603	AVX	06035C472KAT2A	Yes	Yes
Chs	1	Ceramic Capacitor SMD	10NF, 50V, X7R	10%	0805	PHYCOMP	222224013672	Yes	Yes
Cvr	1	Ceramic Capacitor SMD	4.7UF, 10V, X5R	10%	0603	MULTICOMP	U0603R103KCT	Yes	Yes
Rth, Rtl	2	Resistor SMD	62R	1%	1206	WELVYN	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
Drev1, Drev2	2	Standard Recovery Power Rectifier	MRA4003T3	-	SMA	ON SEMICONDUCTOR	MRA4003T3G	Yes	Yes
LED_RSTN	1	LED DIODE RED 20mA	HSMS-C191	-	0603	Broadcom Limited	HSMS-C191	Yes	Yes
U1	1	System Basis Chip (5V/250mA LDO, WD, CAN-FD, HS driver)	NCV7450	-	TSSOP16-EP	ON SEMICONDUCTOR	NCV7450DB0R2G	No	Yes
GND	1	SCOPEGND	LINK, SHORTING, 0.4"	-	SCOPEGND	Harwin	D3082F05	Yes	Yes
CANEN_hj	3	HEADER 1 ROW 2 PINS	HEADER 1x2	-	X2APH	TYCO/AMP	5-826936-0	Yes	Yes
IO	1	SIL HEADER 16 pins, Right Angle	HEADER 1X16 ANGLE	-	X16APH_ANGLE	SAMTEC	TSW-116-08-F-S-RA	Yes	Yes