



Bill of Materials for the NCV7429V1GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1, C2	2	Aluminum Capacitor SMD	100UF/50V		8X10	NICHICON	UUD1H101MNL1GS	Yes	Yes
C3, C4	2	Ceramic Capacitor SMD	100NF, 50V, X7R	10%	0603	KEMET	C0603C104K5RAC	Yes	Yes
C5	1	Ceramic Capacitor SMD	220PF, 50V, X7R	10%	0603	PHYCOMP	2238 586 15614	Yes	Yes
C5'	1	Ceramic Capacitor SMD	1.0NF	10%	0603	EPCOS	B37931K5102K60	Yes	Yes
C6, C11, C12, C13, C14, C15	6	Ceramic Capacitor SMD	10NF, 50V, X7R	10%	0603	MULTICOMP	U0603R103KCT	Yes	Yes
C10	1	Ceramic Capacitor SMD	2.2UF, 10V, X7R	10%	1206	AVX	CM316X7R225K10AT	Yes	Yes
C16	1	Ceramic Capacitor SMD	CAPACITOR		0603			Yes	Yes
R1, R2	2	Resistor SMD	2.0K	2%	1206	WELWYN	WCR 1206 2K 2%	Yes	Yes
R3	1	Resistor SMD	3.3K	1%	0603	VISHAY	CRCW0603K30FKEA	Yes	Yes
R4	1	Resistor SMD	33K	5%	0603	PHYCOMP	232270260333	Yes	Yes
R5, R6	2	Resistor SMD	10K	5%	0603	PHYCOMP	232270260103	Yes	Yes
R7	1	Resistor SMD	1.0K	5%	0603	PHYCOMP	232270260102	Yes	Yes
R8	1	Resistor SMD	0.0R		0805	WELWYN	WCR0805-R005JI	Yes	Yes
U1	1	LIN System Basis Chip for Automotive Body Control Systems	NCV7429	-	TSSOP20_EP	ON SEMICONDUCTOR		No	Yes
D1, D2	2	Standard Recovery Power Rectifier 1A/300V	MRA4003	-	SMA	ON SEMICONDUCTOR	MRA4003T3G	Yes	Yes
D3	1	Switching Diode SMD 200mA/100V	MMSD4148	-	SOD123	ON SEMICONDUCTOR	MMSD4148T1G	Yes	Yes
FT1, FT2, FT3	3	Rubber feet	SUPPORT FEET	-	SUPPORT FEET	3M	SJ5018BLACK	Yes	Yes
SW1	1	SWITCH SPNO 6x6mm	SW-PB_SMD	-	PB300	TYCO ELECTRONICS	FSM2JSMA	Yes	Yes
GND	1	SCOPEGND	LINK, SHORTING, 0.4"	-	SCOPEGND	Harwin	D3082F05	Yes	Yes
J FSD	1	HEADER 1 ROW 2 PINS	JUMPER2_TH	-	X2APH	TYCO/AMP	5-826629-0	Yes	Yes
J1	1	SIL HEADER 20 pins, right angle	HEADER_1X20_ANGLE	-	X20APH_ANGLE	SAMTEC	TSW-120-08-F-S-RA	Yes	Yes
LED1, LED2	2	LED DIODE RED 25mA	HSMH-C191	-	D0603	AVAGO TECHNOLOGIES	HSMC-C191	Yes	Yes
CSN, LIN, LS1, LS2, NRES, OUT1, OUT2, OUT3, RxDL, SCLK, SDI, SDO, SWDM, TxDL, Vbat, VR1, WU	17	Testpin 200 SER. HOLE 1.0	TP S200 H1.0 BLACK	-	TESTPIN2	20-2137	VERO	Yes	Yes