



## Bill of Materials for the NCV890430MW50GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAP CER 10UF 50V 10% X7R 1210	10uF	10%	1210	Taiyo Yuden	UMK325AB7106KM-T	Yes	Yes
C3	1	CAP CER 10UF 50V 10% X7R 1210	10uF	10%	DNP	Taiyo Yuden	UMK325AB7106KM-T	Yes	Yes
C2	1	CAP CER 10UF 10V 10% X7R 0805	10uF	10%	805	Murata Electronics North America	GRM21BR71A106KE51L	Yes	Yes
C4	1	CAP CER 10UF 10V 10% X7R 0805	10uF	10%	DNP	Murata Electronics North America	GRM21BR71A106KE51L	Yes	Yes
CF1	1	CAP CER 0.1UF 50V 10% X7R 0805	0.1uF	10%	805	Murata Electronics North America	GCM21BR71H104KA37K	Yes	Yes
CF2	1	CAP CER 0.1UF 50V 10% X7R 0805	0.1uF	10%	DNP	Murata Electronics North America	GCM21BR71H104KA37K	Yes	Yes
LF1	1	FIXED IND 1UH 2.5A 75 MOHM SMD	1.0uH	30%	WURTHSMALLSMDL	Würth Electronics Inc	78438323010	Yes	Yes
L1	1	FIXED IND 4.7UH 940MA 388 MOHM	4.7uH	30%	WURTHSMALLSMDL	Würth Electronics Inc	78438323047	No	Yes
R1	1	RES 10.0K OHM 1/10W 1% 0603 SMD	10.0K	1%	603	Vishay/Dale	CRCW060310K0FKEA	Yes	Yes
GND1, GND2, VIN1, VOUT	4	TERM SOLDER TURRET .219" .109"L	N/A	N/A	TURRET	Mill-Max Manufacturing Corp.	2501-2-00-44-00-00-07-0	Yes	Yes
J1	1	CONN HEADER 2POS .100 VERT GOLD	N/A	N/A	JMP	Molex Connector Corporation	22-28-4023	Yes	Yes
	1	CONN JUMPER SHORTING GOLD	N/A	N/A		Sullins Connector Solutions	SSC02SYAN	Yes	Yes
EN. GND3, RSTB, SYNC	4	PIN INBOARD .042" HOLE 1000/PKG	N/A	N/A	TP	Vector Electronics	K24C/M	Yes	Yes
U1	1	5.0V, 0.6A 2MHz Step-Down Synchronous Regulator for Automotive	N/A	N/A	8PINDFNP65	ON Semiconductor	NCV890430MW50TXG	No	Yes