



Bill of Materials for the NV706272R1DBGVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor MLC-X7R	2.7nF 50V	10%	0603	PHYCOMP	2238 586 15628	Yes	Yes
C2	1	Capacitor MLC-X7R	2.7nF 50V	10%	0603	PHYCOMP	2238 586 15628	Yes	Yes
C3	1	Capacitor MLC-X5R	1uF 10V	10%	0603	PHYCOMP	2.23825E+11	Yes	Yes
C4	1	Capacitor MLC-X7R	100nF 16V	10%	0603	EPCOS (TDK)	B37931K9104K060	Yes	Yes
C6	1	Capacitor MLC-X7R	100nF 16V	10%	0603	EPCOS (TDK)	B37931K9104K060	Yes	Yes
C7	1	Capacitor MLC-X7R	100nF 16V	10%	0603	EPCOS (TDK)	B37931K9104K060	Yes	Yes
C8	1	Capacitor	100uF 50V	20%	NICHICON UD_8x10	Nichicon	UUD1H101MNL1GS	Yes	Yes
DUT	1	NCV70627 Motor stepper controller	-	-	QFN50P500X500-32V3M	ON Semiconductor	NCV70627	No	Yes
J1, J2, J3, J4, J6, J8, J12, J12G, J13, J14, J16, J17, J20	13	HEADER 1x1	-	-	X1APH	Harwin Inc.	D01-9923246	Yes	Yes
R1	1	Resistor	1K	5%	0603	Yageo	9C06031A1001JLHFT	Yes	Yes
R2	1	Resistor	1K	5%	0603	Yageo	9C06031A1001JLHFT	Yes	Yes
R3	1	Varistor	26VDC 20VAC	10%	0603	EPCOS (TDK)	B72500T200K60	Yes	Yes