



Bill of Materials for the NV70501R10DBGEVB Evaluation Board

ON Semiconductor®

Designator	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead free
C1	47UF/50V ELKO NICHICON UD	47 μ F / 50 V	20%	NICHICON_UD_6X7	NICHICON	UUD1H470MCL1GS	Yes	Yes
C2	100NF_0603_50V_X7R	100 nF / 50 V / X7R	10%	0603	KEMET	C0603C104K5RAC	Yes	Yes
C3	1.0NF_0603_50V_X7R	1 nF / 50 V / X7R	10%	0603	EPCOS	B37931K5102K60	Yes	Yes
C4	1.0NF_0603_50V_X7R	1 nF / 50 V / X7R	10%	0603	EPCOS	B37931K5102K60	Yes	Yes
C5	1.0NF_0603_50V_X7R	1 nF / 50 V / X7R	10%	0603	EPCOS	B37931K5102K60	Yes	Yes
C6	1.0NF_0603_50V_X7R	1 nF / 50 V / X7R	10%	0603	EPCOS	B37931K5102K60	Yes	Yes
CON1	HARWIN_M80-8541442	-	-	2.00 mm Pitch	HARWIN	M80-8541442	Yes	Yes
CON2	HARWIN_M80-8541242	-	-	2.00 mm Pitch	HARWIN	M80-8541242	Yes	Yes
TPRHB	TP S200 H1.0 BLACK	-	-	TESTPIN2	VERO	20-2137	Yes	Yes
U1	ONSEMI_NCV70501	-	-	SOIC16	ON Semiconductor	NCV70501DW002G	No	Yes