



Bill of Materials for the LV5636VHGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor,Ceramic,B	4.7uF/25V	10%	1206	MURATA	GRM31CB31E475K	YES	YES
C2	2	Capacitor,Ceramic,B	4.7uF/25V	10%	1206	MURATA	GRM31CB31E475K	YES	YES
C3	2	Capacitor,Ceramic,B	4.7uF/25V	10%	1206	MURATA	GRM31CB31E475K	YES	YES
C4	1	Capacitor,Ceramic,B	0.1uF/50V	10%	0603	MURATA	GRM188B31H104K	YES	YES
C5	1	Capacitor,Ceramic,CH	100pF/50V	5%	0603	MURATA	GRM1882C1H101J	YES	YES
C6	1	Capacitor,Ceramic,CH	4700pF/50V	10%	0603	MURATA	GRM188B11H472K	YES	YES
C7	1	Capacitor,Ceramic,B	4.7uF/10V	10%	0805	MURATA	GRM219B31A475K	YES	YES
D1	1	Diode,Schottky	30V/1A	-	MCPH3	ON Semiconductor	SB1003M3	NO	YES
F1	1	Fuse Resistor	3.15A	-	0603	KOA	TF16AT3.15TBK	YES	YES
L1	1	Power Inductor	10uH	20%	4.0x4.0	TAIYO YUDEN	NRS4018T 100MDGJ	YES	YES
R1	1	Chip Resistor	2.2kohm	1%	0603	KOA	RK73H1JTDD223	YES	YES
R2	1	Chip Resistor	1kohm	1%	0603	KOA	RK73H1JTDD103	YES	YES
R3	1	Chip Resistor	10kohm	1%	0603	KOA	RK73H1JTDD104	YES	YES
U1	1	DCDC and LDO Driver	-	-	HSSOP-14	ON Semiconductor	LV5636VH	NO	YES