



Bill of Materials for the LV56351HAGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor,Ceramic,B	10uF/25V	10%	1206	MURATA	GRM31CB31E106K	YES	YES
C2	1	Capacitor,Ceramic,X7R	10uF/35V	10%	1210	MURATA	GRM32ER7YA106K	YES	YES
C3	2	Capacitor,Ceramic,B	4.7uF/25V	10%	1206	MURATA	GRM31CB31E475K	YES	YES
C4	1	Capacitor,Ceramic,B	0.01uF/50V	10%	0603	MURATA	GRM188B11H103K	YES	YES
C5	1	Capacitor,Ceramic,B	0.1uF/50V	10%	0603	MURATA	GRM188B31H104K	YES	YES
C6	1	Capacitor,Ceramic,SL	3900p/50V	5%	0603	MURATA	GRM1881X1H392JA01J	YES	YES
C7	1	Capacitor,Ceramic,CH	220pF/50V	5%	0603	MURATA	GRM1882C1H221J	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	22uH	20%	4.9x4.9	TAIYO YUDEN	NRS5040T 220MMGK	YES	YES
R1	1	Chip Resistor	22k	1%	0603	KOA	RK73H1JTTD223	YES	YES
R2	1	Chip Resistor	240k	1%	0603	KOA	RK73H1JTTD244	YES	YES
	1	Chip Resistor	43k	1%	0603	KOA	RK73H1JTTD433	YES	YES
R3	1	Chip Resistor	10k	1%	0603	KOA	RK73H1JTTD103	YES	YES
R4	1	Chip Resistor	82k	1%	0603	KOA	RK73H1JTTD823	YES	YES
	1	Chip Resistor	39k	1%	0603	KOA	RK73H1JTTD393	YES	YES
R5	1	Chip Resistor	6.8k	1%	0603	KOA	RK73H1JTTD682	YES	YES
R6	1	Chip Resistor	5.1k	1%	0603	KOA	RK73H1JTTD512	YES	YES
R7	1	Chip Resistor	10k	1%	0603	KOA	RK73H1JTTD103	YES	YES
R8	-	DNP	DNP	-	-	-	DNP	-	-
R9	-	DNP	DNP	-	-	-	DNP	-	-
U1	1	DCDC and LDO Driver	-	-	HSSOP-14	ON Semiconductor	LV56351HA	No	YES
Tr1	-	DNP	DNP	-	-	-	DNP	-	-
Tr2	-	DNP	DNP	-	-	-	DNP	-	-

Note: The 2xR2 and 2xR4 parts are each placed in series