



Bill of Materials for the LV52204MUGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC1	1	1CH LED Driver	-	-	UDFN6(2x2)	ON semiconductor	LV52204MU	No	Yes
C1	1	input capacitor	1 μ F/10V	±10%	0603	-	-	Yes	Yes
C2	1	output capacitor	1 μ F/50V	±10%	1608	Murata	GRM21BR71H	Yes	Yes
C3	1	Filtering capacitor for PWM mode	220nF	±10%	0603	-	-	Yes	Yes
R1	1	Current sense	10Ohm	±1%	0603	-	-	Yes	Yes
D1	1	Shotkey	-	-	SOD-123	ON semiconductor	MBR0540T1	Yes	Yes
L1	1	Inductor	22uH	±20%	3.0×3.0×1.2 mm	TDK	VLS3012E-220M49	Yes	Yes