



Bill of Materials for the LV5026MCGEV B Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor	250V 0.056μ	10%	2220	MURATA	GA355XR7GB563KW06L	Yes	Yes
C2	1	Capacitor	450V 0.047μ	10%	1206	MURATA	GR331CD72W473KW03L	Yes	Yes
C3	1	Capacitor	450V 0.22μ	10%	Radial	NITSUKO	MDX22W224K	Yes	Yes
C4	1	Capacitor	450V 0.047μ	10%	1206	MURATA	GR331CD72W473KW03L	Yes	Yes
C5	0	Capacitor	DNP	-	-	-	OPEN	Yes	Yes
C7	1	Capacitor	50V 220μ	20%	Radial	Rubycon	50ZLJ220uF	Yes	Yes
C9	1	Capacitor	50V 4.7μ	10%	1206	MURATA	GRM31CR71H475KA12L	Yes	Yes
C10	1	Capacitor	50V 0.022μ	10%	0603	MURATA	GRM188B11H223KA01	Yes	Yes
D1	1	Diode	800V 1A	-	SOPA-4	Shindengen	D1UBA80	Yes	Yes
D2	1	Diode	600V 1A	-	SMA	ON Semiconductor	MRA4005T3	No	Yes
D3	0	Diode	DNP	-	-	-	OPEN	Yes	Yes
D4	1	Diode	600V 1A FRD	-	SMA	ON Semiconductor	MURA160T3	No	Yes
D6	1	Diode	600V 1A FRD	-	SMA	ON Semiconductor	MURA160T3	No	Yes
IC1	1	LED DRIVER	-	-	SOIC10	ON Semiconductor	LV5026MC	No	Yes
L1	1	Inductor	2.2mH	10%	Radial	KORIN GIKEN	PJ5H-222K	Yes	Yes
L2	1	Inductor	1mH	10%	Radial	KORIN GIKEN	PJ5H-102K	Yes	Yes
L3	0	Inductor	DNP	-	-	-	OPEN	Yes	Yes
Q1	1	MOSFET	600V 1.5A	-	TP	ON Semiconductor	SFT1440	No	Yes
Q2	1	MOSFET	600V 1.5A	-	TP	ON Semiconductor	SFT1440	No	Yes
R1	1	Resistor	47Ω 1W	5%	Axial	PANASONIC	ERG1SJ470	Yes	Yes
R2	1	Resistor	2.2kΩ 1/10W	0.5%	0603	PANASONIC	ERJ3RBD2201V	Yes	Yes
R3	1	Resistor	1MΩ 1/4W	1%	1206	PANASONIC	ERJP08F1004V	Yes	Yes
R4	1	Resistor	76.8kΩ 1/10W	1%	0603	PANASONIC	ERJ3EKF7682V	Yes	Yes
R5	1	Resistor	1MΩ 1/4W	1%	1206	PANASONIC	ERJP08F1004V	Yes	Yes
R6	1	Resistor	4.7kΩ 1/8W	1%	0805	PANASONIC	ERJ6ENF4701V	Yes	Yes
R7	0	Resistor	DNP	-	-	-	OPEN	Yes	Yes
R8	1	Resistor	470Ω 3W	5%	Axial	PANASONIC	ERG3SJ471	Yes	Yes
R9	1	Resistor	680Ω 3W	5%	Axial	PANASONIC	ERG3SJ681	Yes	Yes
R10	1	Resistor	820kΩ 1/3W	1%	1206	PANASONIC	ERJP08F8203V	Yes	Yes
R11	1	Resistor	10Ω 1/10W	5%	0603	KOA	RK73B1JTTD100J	Yes	Yes
R12	1	Resistor	1.2Ω 1/2W	1%	1206	PANASONIC	ERJ8BQF1R2V	Yes	Yes
R13	0	Resistor	DNP	-	-	-	OPEN	Yes	Yes
R14	1	Resistor	470Ω 1/8W	5%	0805	PANASONIC	ERJ6GEYJ471V	Yes	Yes
R15	1	Resistor	15kΩ 1/4W	1%	0805	PANASONIC	ERJ8ENF1502V	Yes	Yes
R16	1	Resistor	0Ω	-	0805	PANASONIC	ERJ6GEY0R00V	Yes	Yes
T1	1	Transformer	CUSTOM	-	-	TOKYO PARTS	TEE13W-110001A	Yes	Yes
ZD1	1	Zener Diode	13V	-	SOD-323	ROHM	UDZS13B	Yes	Yes
	1	PCB	CEM-3 T=1.0	-	-	-	PCB	-	Yes