



Bill of Materials for the NIS5132-35GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
NIS5135	1	5 volt eFuse	-	-	DFN-10	ON Semiconductor	NIS5135MN1TXG	No	Yes
NIS5132	1	12 volt eFuse	-	-	DFN-10	ON Semiconductor	NIS5132MN1TXG	No	Yes
I_LIM 5	1	Chip Resistor	22Ω	5%	0603	Various	Various	Yes	Yes
I_LIM 12	1	Chip Resistor	22Ω	5%	0603	Various	Various	Yes	Yes
CIN-5	0	Optional, not used in board, 0805 chip cap	-	-	0805	-	-	Yes	Yes
CIN-12	0	Optional, not used in board, 0805 chip cap	-	-	0805	-	-	Yes	Yes
2N7002	1	Enable FET	-	-	SOT-23	ON Semiconductor	2N7002L	No	Yes
10K	1	Enable Res	10KΩ	5%	0603	Various	Various	Yes	Yes
dv/dt 5	0	Optional, not used in board, 0603 chip cap	-	-	0603	-	-	Yes	Yes
dv/dt 12	0	Optional, not used in board, 0603 chip cap	-	-	0603	-	-	Yes	Yes
R-5	1	1kΩ, 1 W, 5% metal film Resistor	1KΩ	5%	Axial	Panasonic - ECG	ERG-1SJ102A	Yes	Yes
R-12	1	1kΩ, 1 W, 5% metal film Resistor	1KΩ	5%	Axial	Panasonic - ECG	ERG-1SJ102A	Yes	Yes
C-5	1	Alum elect cap, 100 uF, 25 V, radial lead	100 uF, 25 V	20%	Radial	Panasonic - ECG	ECA-1EM101B	Yes	Yes
C-12	1	Alum elect cap, 100 uF, 25 V, radial lead	100 uF, 25 V	20%	Radial	Panasonic - ECG	ECA-1EM101B	Yes	Yes
5 volt and 12 volt inputs	1	Banana plug, Blue	-	-	20.00mm x 10.00mm	Farnell	150-042	Yes	Yes
Ground	1	Banana plug, Black	-	-	20.00mm x 10.00mm	Farnell	150-040	Yes	Yes
5 volt and 12 volt outputs	1	Banana plug, Green	-	-	20.00mm x 10.00mm	Farnell	150-041	Yes	Yes