



Bill of Materials for the NIS5232-35GEVB 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 |
| NIS5232 | 1 | 12 volt eFuse | - | - | DFN-10 | ON Semiconductor | NIS5232MN1TXG | No | Yes |
| I_LIM 5 | 1 | Chip Resistor | | 5% | 0603 | Various | Various | Yes | Yes |
| I_LIM 12 | 1 | Chip Resistor | | 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 | | 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 | | | 5% | Axial | Panasonic - ECG | ERG-1SJ102A | Yes | Yes |
| R-12 | 1 | | | 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 input | 1 | Banana plug, Blue | - | - | 20.00mm x 10.00mm | Farnell | 150-042 | Yes | Yes |
| 12 Volt input | 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 output | 1 | Banana plug, Green | - | - | 20.00mm x 10.00mm | Farnell | 150-041 | Yes | Yes |
| 12 Volt output | 1 | Banana plug, Green | - | - | 20.00mm x 10.00mm | Farnell | 150-041 | Yes | Yes |