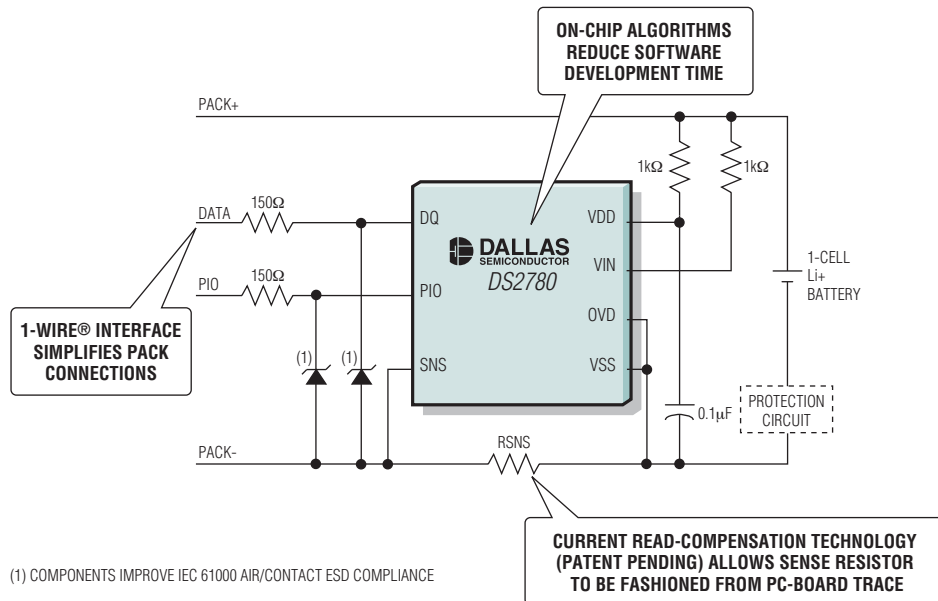


# BATTERY FUEL GAUGING MADE SIMPLE

The DS2780 stand-alone fuel gauge estimates remaining capacity for Li+ batteries without software development. With the built-in ability to program battery parametric data for all available cell types and manufacturers, what could be easier?



- ◆ Reports Remaining Battery Capacity to Within 3%\*
- ◆ 16-Bit Current Measurement with 1.56 $\mu$ V Resolution Supports a Wide Range of Sense Resistor Values
- ◆ 40 Bytes of EEPROM Provide Nonvolatile Data Storage (24 Bytes of Parameter Data, 16 Bytes of User Data)
- ◆ Priced at \$1.80<sup>†</sup>
- ◆ Multidrop 1-Wire Interface with Unique Network ID
- ◆ Uses Proprietary Algorithm to Estimate Remaining Capacity from Coulomb Count, Discharge Rate, Temperature, Voltage, and Battery-Cell Characteristics
- ◆ 65 $\mu$ A (typ) Operation, 2 $\mu$ A Standby
- ◆ 3mm x 6.4mm, 8-Pin TSSOP Fits in a Prismatic-Cell Form Factor

1-Wire is a registered trademark of Dallas Semiconductor Corp.

\*Over five partial charge/discharge cycles, 0 to 40°C, charge/discharge between 1C and C/20.

<sup>†</sup>100k-up recommended direct pricing. Prices are provided for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates.



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