EMC1704-2 High-side Current Sense & Temperature Sensor
16 pin 4mm x 4mm QFN

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Circuit diagrams utilizing SMSC products are included as a means of illustrating typical semiconductor applications; consequently, complete information sufficient for construction purposes is not necessarily given. The information has been carefully checked and is believed to be entirely reliable; however, no responsibility is assumed for inaccuracies. Furthermore, such information does not convey to the purchaser of the semiconductor devices described any license under the patent rights of SMSC or others. SMSC reserves the right to make changes at any time in order to improve design and supply the best product possible.
NOTE:
Optional capacitor
Place near remote diode

Current Sense Resistor
Place between S+ and S-.
Please refer to the EMC1704 datasheet for selection of this resistor.

NOTE:
Optional capacitor
Place near remote diode

Anti-Parallel Diode
Optional. Place optional capacitor near the remote diode

NOTE:
Optional capacitor
Place near remote diode

Peak Detect Duration and Threshold Select
Please refer to the EMC1704 datasheet for selection of these resistors.

SMBus Address Select
Please refer to the EMC1704 datasheet for selection of this resistor.

GPIO
If GPIO is not used, connect to GND or program as output.