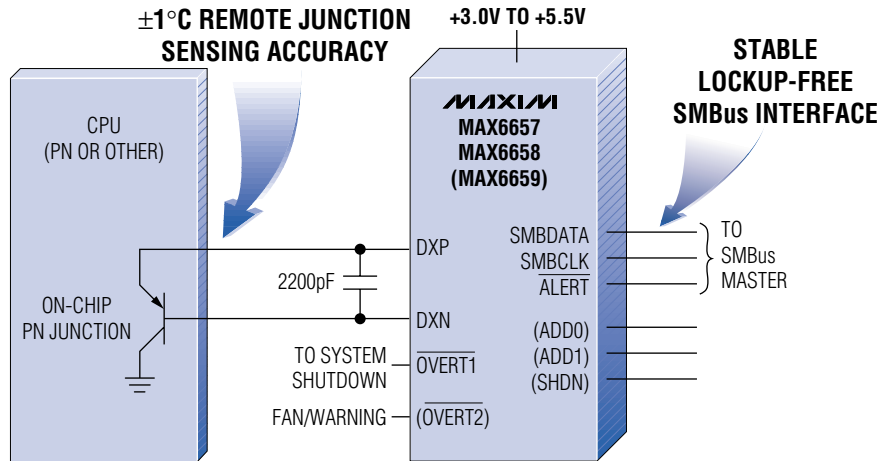


# ±1°C ACCURATE TEMP SENSORS HAVE MULTIPLE ALARMS

## Monitor and Protect High-Performance CPUs

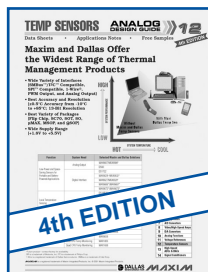
The MAX6657/MAX6658/MAX6659 combine temperature measurement accuracy with multiple overtemperature alarms for better thermal control and maximum CPU protection. In addition to the ALERT output, each member of the family has a programmable OVERT output. The MAX6659 has two OVERT outputs. All feature 11-bit (0.125°C) resolution.



- ◆ ±1°C (max) Remote-Junction Accuracy (+60°C ≤ T<sub>RJ</sub> ≤ +100°C)
- ◆ ±2°C (max) Local-Junction Accuracy (+60°C ≤ T<sub>A</sub> ≤ +100°C)
- ◆ 10-Bit + sign, 0.125°C Resolution
- ◆ Lockup-Free SMBus™/I<sup>2</sup>C™-Compatible Interface
- ◆ Programmable Alarm Temp Thresholds
- ◆ Configurable Interrupt or Comparator Alarm Outputs

| PART    | TEMPERATURE MEASUREMENT RANGE | OPERATING TEMPERATURE RANGE | NUMBER OF ALARM OUTPUTS | PIN-PACKAGE | ORDERING INFORMATION |
|---------|-------------------------------|-----------------------------|-------------------------|-------------|----------------------|
| MAX6657 | 0°C to +125°C                 | -55°C to +125°C             | 2                       | 8-SO        | MAX6657MSA           |
| MAX6658 | -55°C to +125°C               | -55°C to +125°C             | 2                       | 8-SO        | MAX6658MSA           |
| MAX6659 | -55°C to +125°C               | -55°C to +125°C             | 3                       | 16-QSOP     | MAX6659MEE           |

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