NOTES:

2.0   TYPICAL PERFORMANCE CURVES

Note:

Note: Unless otherwise indicated, V$_{DD}$

MCP9808

3.0   PIN DESCRIPTION
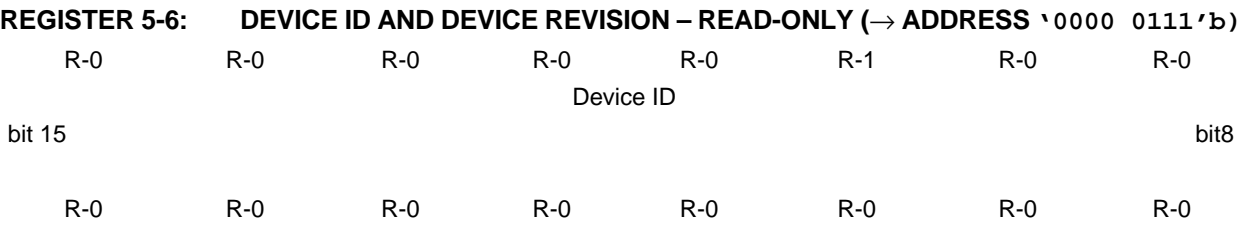
The descriptions of the pins are listed in Table 3-1

5.1.4 MANUFACTURER ID REGISTER

This register is used to identify the manufacturer of the device in order to perform manufacturer-specific

MCP9808

5.1.5   DEVICE ID AND REVISION REGISTER

The upper byte of this register is used to specify the device identification and the lower byte is used to specify the device revision. The Device ID for the MCP9808 is 0x04 (hex).

The revision begins with 0x00 (hex) for the first release, with the number being incremented as revised versions are released.

REGISTER 5-6:   DEVICE ID AND DEVICE REVISION – READ-ONLY ($\rightarrow$ ADDRESS '`0000 0111`'b)

R-0	R-0	R-0	R-0	R-0	R-1	R-0	R-0
			Device ID				
bit 15							bit8

R-0	R-0	R-0	R-0	R-0	R-0	R-0	R-0

FIGURE 5-7: *Timing Diagram for Reading Device ID and Device Revision Register (see Section 4.0 "Serial Communication").*

FIGURE 5-10: *Alert Output Conditions.*

5.3   Summary of Power-on Default

The MCP98 Mas an internal Power-on Reset (POR) circuit. If the power supply voltage, V_{DD}, glitches below the V_{POR} threshold, the device resets the registers to the power-on default settings.

Table 5-3 shows the power-on default summary for the Temperature Sensor registers.

NOTES:

6.0 APPLICATIONS INFORMATION

6.1 Layout Considerations

The MCP9808 does not require any additional components besides the master controller in order to measure temperature. However, it is recommended that a decoupling capacitor of 0.1 µF to 1 µF be used between the V_{DD} and GND pins. A high-frequency ceramic capacitor is recommended. It is necessary for the capacitor to be located as close as possible to the power and ground pins of the device in order to provide effective noise protection.

MCP9808

NOTES:

Software License Agreement

The software supplied herewith by Microchip Technology Incorporated (the "Company") is intended and supplied to you, the Company's customer, for use solely and exclusiv

```
/*********************************************************************
*       Function Name:    i2c_start
*       Return Value:     void
*       Parameters:       void
*       Description:      Send I2C Start Command
*********************************************************************/
```

NOTES:

NOTES: