APPLICATION NOTE 316

DS2151, DS2153 Interfacing to the PMC-Sierra PM7345

May 08, 2001

Abstract: This application note provides a logical diagram of the interface of the Dallas Semiconductor/Maxim DS2151 and DS2153 to the PMC-Sierra 7345.

 Notes:
1. PMC device is programmed to clock data into the RDAT pin on the falling edge of RCLK.
2. PMC device is programmed to update the TDAT pin on the rising edge of TCLK.
3. RSYNC is programmed to output a frame sync; TSYNC is programmed to input a frame sync.
4. Receive and transmit elastic stores are disabled.
5. A "looped-timed" application is shown.
6. Timing is shown below: