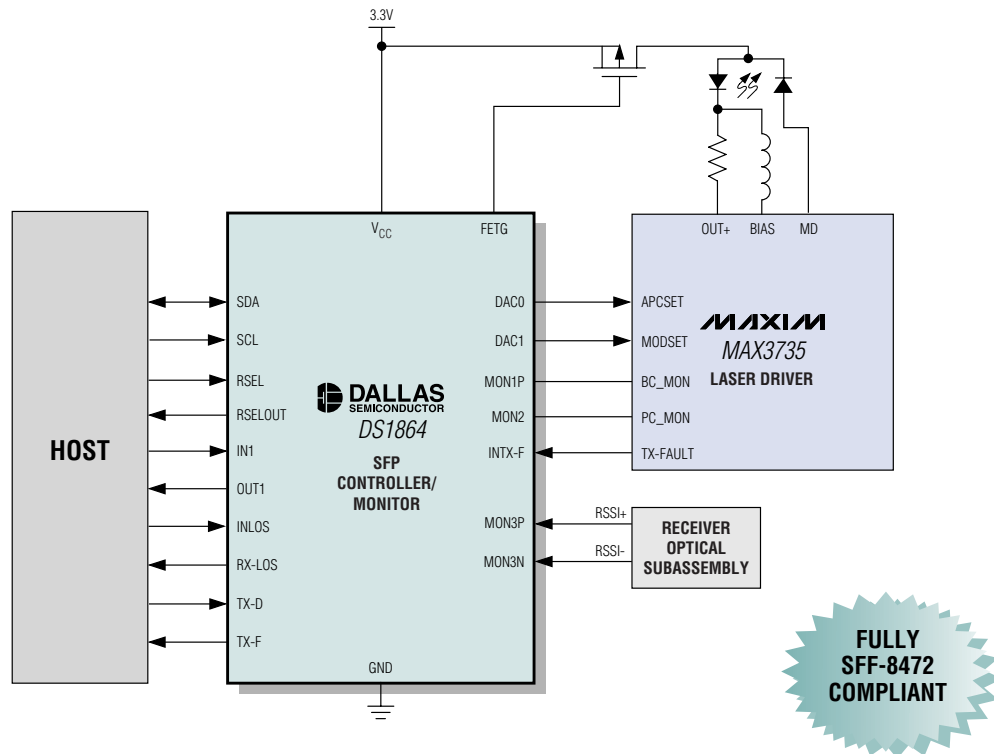


# COMPLETE SFP CONTROLLER/MONITOR SIMPLIFIES SFP MODULE DESIGN

## Integrates All Functions Required for Controlling and Monitoring SFP Transceiver Modules

The DS1864 controls laser-driver bias/modulation currents and provides all the system monitoring functions and memory required for SFP optical transceivers. This device simplifies SFP module design, while providing the highest performance control and monitoring functionality.



**FULLY  
SFF-8472  
COMPLIANT**

- ◆ Controls Bias and Modulation Currents Through Two Temperature-Controlled, 8-Bit DACs
- ◆ Integrates Laser-Shutdown and Eye-Safety Features
- ◆ Fulfills All SFF-8472 MSA Requirements
- ◆ I<sup>2</sup>C-Compatible Serial Interface
- ◆ Integrated 12-Bit ADC Monitors Temperature, V<sub>CC</sub>, and Three External Analog Channels
- ◆ 28-Pin, 5mm x 5mm TQFN Package
- ◆ Provides A0h and A2h EEPROM



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