

# SFP-1000Base-TX

## 10/100/1000Base-T SFP transceiver for Ethernet switches

### INTRODUCTION

The SFP-1000Base-TX electrical SFP transceiver (RJ45) is a high performance integrated duplex data link for bi-directional communication over CAT 5 unshielded twisted pair copper cable. It is compliant with the MSA Small Form Factor Pluggable (SFP) specification. The RJ45 transceiver is specifically designed for high speed Gigabit Ethernet data links at 1.25 Gbaud. The transceiver is hot pluggable and operates at +3.3V.

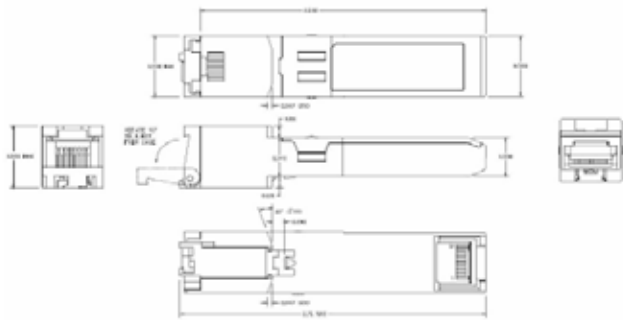
RJ45 connector supports shielded and unshielded cables. The connector is mechanically robust enough and designed to prevent loss of link, when the cable is positioned or moves in different angles. The connector passes the “wiggle” RJ45 connector operational stress test.

### APPLICATIONS

- 10/100/1000Base-T

### FEATURES

- Compliant with MSA SFP specification
- Die cast metal housing
- Single +3.3V power supply
- Serial ID functionality
- Bail latch style ejector mechanism
- TDR functionality support
- Auto MDI/MDIX crossover
- Shunt Auto Transformer
- Compatible with CAT 5 cable in excess of 100m
- SFP 1000BASE-X Auto Negotiation Bypass Mode



Specification subject to change without notice.

### Ordering Information

| Part no:        | Description/Application   |
|-----------------|---|
| SFP-1000Base-TX | SFP, Copper Interface 10/100/1000, SGMII/SERDES Interface, Rx_LOS detection |