

SFP MODULE SYSTEM PRODUCTS

Copper SFP



FEATURE

- MC-GLC-T-A : Support 1000BASE-T Operation in Host Systems
- MC-GLC-T-B : Support 10/100/1000BASE-T Operation in Host Systems
- For 100m Reach over Cat 5 UTP Cable
- Hot-Pluggable SFP Footprint
- Fully Metallic Enclosure for Low EMI
- Low Power Dissipation (1.05W Typical)
- Compact RJ-45 Connector Assembly
- Access to Physical Layer IC via 2-Wire Serial Bus
- Detailed Product Information in EEPROM
- Compliant with SFP MSA
- Compliant with IEEE Std 802.3-2002
- Operating case temperature range of 0°C to +70°C (Standard)



APPLICATIONS

- MC-GLC-T-A : LAN 1000Base-T
- MC-GLC-T-B : LAN 10/100/1000Base-T
- Gigabit Ethernet over Cat 5 Cable
- Switch to Switch Interface
- Router/Server interface

DESCRIPTION

1000BASE-T , 10/100/1000BASE-T Copper Small Form Pluggable (SFP) modules are based on the SFP Multi Source Agreement (MSA). It is compliant with the Gigabit Ethernet and 1000BASE-T standards as specified in IEEE STD 802.3 and 802.3ab.

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Min	Max	Unit
Storage Temperature	Ts	-40	+85	°C
Supply Voltage	Vcc	-0.5	4.5	V

RECOMMENDED OPERATING CONDITIONS

Parameter	Symbol	Min	Typical	Max	Unit
Operating Case Temperature	Standard	Tc	0	+70	°C
	Industrial	-40		+85	°C
Power Supply Voltage	Vcc	3.14	3.3	3.46	V

RECOMMENDED OPERATING CONDITIONS

Feature	Standard	Performance
Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883E Method 3015.7	Class 1(>500 V) Isolation with the case
Electromagnetic Interference(EMI)	FCC Part 15 Class B	Compatible with standards
Component Recognition	UL and CUL	UL file E317337
Green Products	2002/95/EC 2005/618/EC	RoHS6

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DESCRIPTION

Model	Rate	Distance	Other
MC-GLC-T-A	1000M	100m	RJ45
MC-GLC-T-B	10/100/1000M	100m	RJ45

ORDER INFORMATION

PRODUCT	PART NUMBER
1000Mbps, RJ45, 100m, 0°C~+70°C	MC-GLC-T-A
10/100/1000Mbps, RJ45, 100m, 0°C~+70°C	MC-GLC-T-B