10Gbps XFP Optical Transceiver RTXM226-440

Specifications

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10Gbps XFP Optical Transceiver RTXM226-440

Ordering Information

bsolute Maximum Ratings

Parameter	SyVVinNVVoV	Unit	Min	Max
Supply Voltage 1	V_{CC3}	V	-0.5	4.0
Supply Voltage 2	Vcc5	V	-0.5	6.0
Storage Temperature	T_s	°C	-40	85

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Low Speed Electrical Interface

Parameter	Symbol	Unit	Min	Max	Note
XFP Tx_Dis,P_Down/RST	V_{IH}	V	2.0	V_{cc3}+0.3	
	V_{IL}	V	-0.3	0.8	
XFP Interrupt,Mod_NR,Rx_Los	V_{OH}	V	V_{dd3}-0.5	V_{dd3}+0.3	1
	V_{OL}	V	0.0	0.4	
XFP SCL and SD Input	V_{IH}	V	V_{dd3}*0.7	V_{dd3}+0.5	1
	V_{IL}	V	-0.3	V_{dd3}*0.3	
XFP SCL and SD Output	V_{OH}	V	V_{dd3}-0.5		

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Digital Diagnostic Functions

s defined by the XFP MS , digital diagnostic functions are provided via a 2-wire serial interface, which allows real-tiɱe access to the following operating paraɱeters:

- Transceiver Teɱperature
- Tx Bias Current
- Tx Optical Power
- RX Received Optical Power
- Transceiver +3.3V Supply Voltage
- Laser Teɱperature

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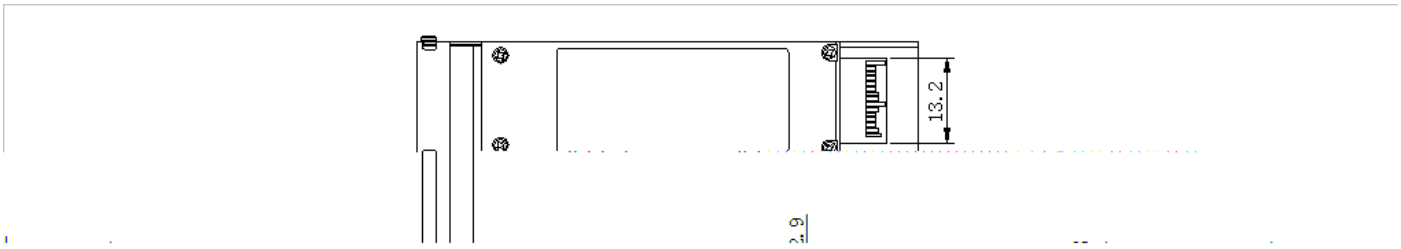
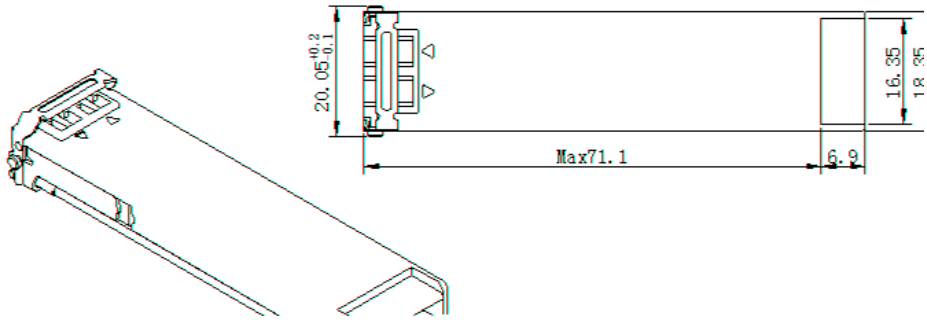
Package Outline



Unit: mm
Unspecified Tolerance: ±0.1



Regulatory Compliance

Feature	Test Method	Performance
Laser Eye Safety	FD 21 CFR 1040.10 and 1040.11 IEC 60825-1: 1994+ 11: 1996+ 2: 2001 IEC 60825-2: 2004 + 1: 2006 EN 60825-1:1994+ 1:2002+ 2:2001 EN 60825-2: 2004	Compliant with Class 1 laser product
Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883E Method 3015.7 Human Body Model	Class 1 (1.5kV)
Electrostatic Discharge (ESD) Immunity	IEC 61000-4-2: 2001	Class 2 (4.0kV)
Electromagnetic Interference (EMI)	FCC Part 15 Subpart J Class B CISPR22:1997+ 1:2000+ 2:2002, Class B EN55022:1998+ 1:2000+ 2:2003, Class B	Compliant with standards