

10Gb/s 40Km CWDM SFP+ Transceivers RTXM228-29X

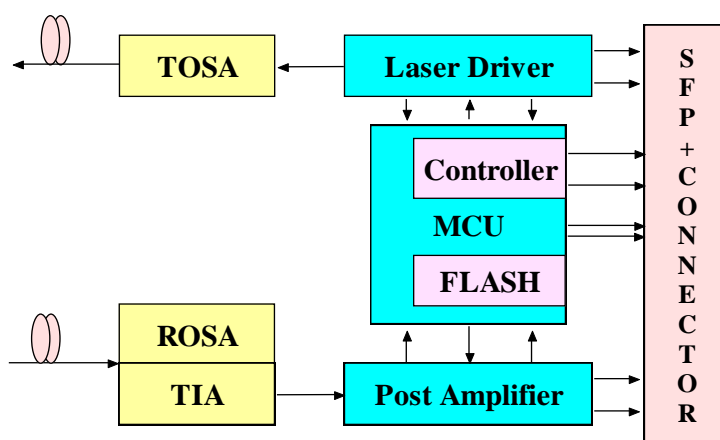
The CWDM-rated cooled EML laser based 10G SFP+ Transceiver is designed to transmit and receive serial optical data over 40km single mode optical fiber.

They are compliant with SFF-8431, SFF-8432, 10GFC Rev 4.0

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Ordering Information

Block diagram



Absolute Maximum Ratings

Parameter	Symbol	Unit	Min	Max
□				

Recommended Operating Conditions

Parameter	Symbol	Unit	Min	Typ	Max

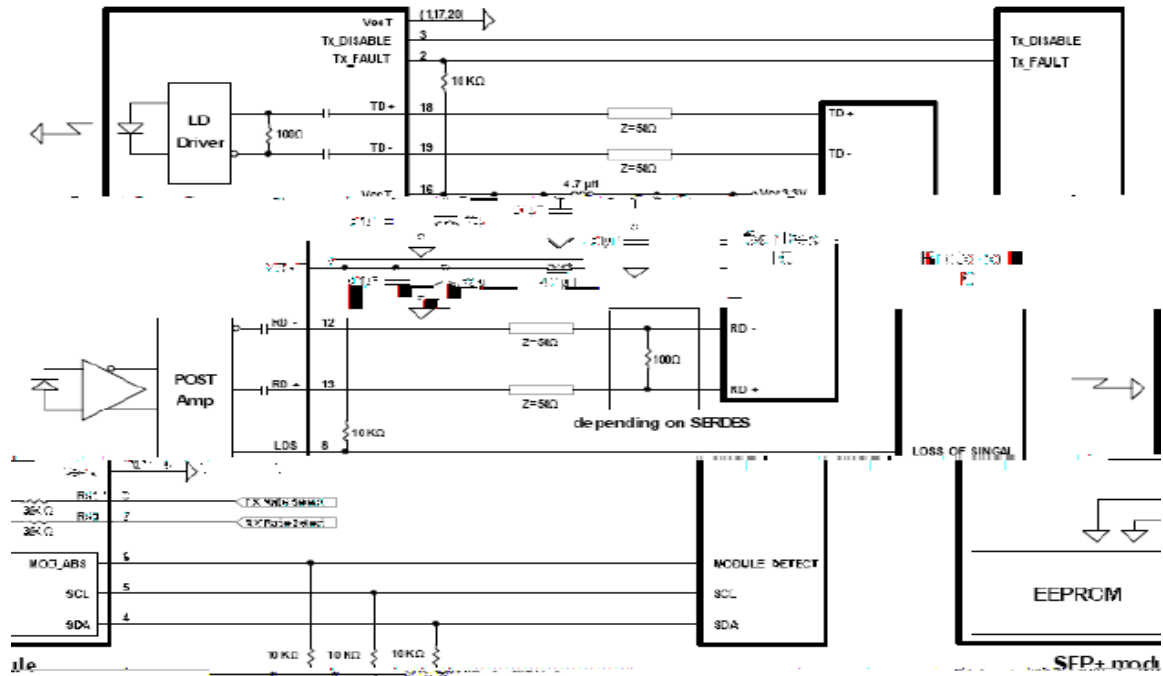
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1,17,20	VeeT	Transmitter Signal Ground	These pins should be connected to signal ground on the host board.
2	TX Fault	Transmitter Fault Out (OC)	This pin is open collector compatible, and should be pulled r off before t_fault)
3	TX Disable	Transmitter Disable In (LVTTL)	resistor.
4	SDA		Serial ID with SFF 8472 Diagnostics
5	SCL	Module Definition Identifiers	Module Definition pins should be pulled up to Host Vcc
6	MOD-ABS		
7	RS0	Receiver Rate Select (LVTTL)	-down to ground. A
9	RS1	Transmitter Rate Select (LVTTL)	signal on either of these pins will not affect module performance.
8	LOS	Loss of Signal Out (OC)	

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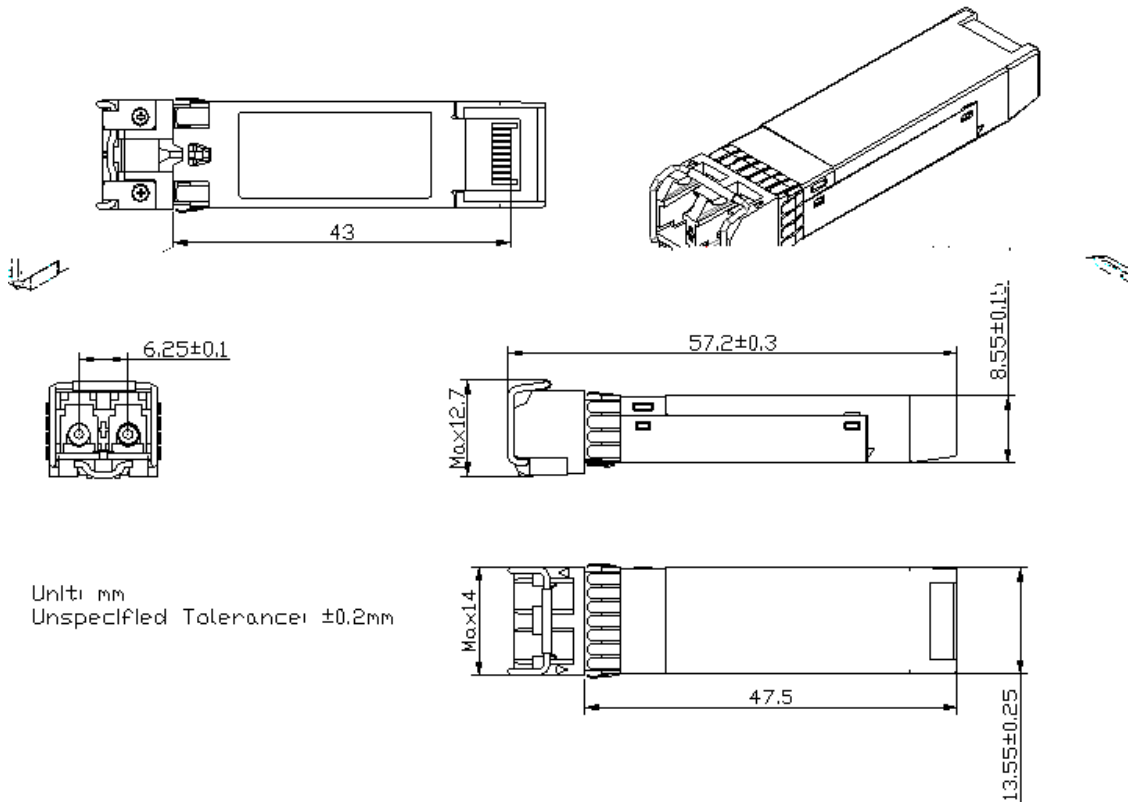
OR.

Typical Application Circuit



Package Outline

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Regulatory Compliance

Feature	Test Method	Performance
Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883C Method 3015.7	Class 1 (> 1500 Volts)
Electrostatic Discharge (ESD) to the Duplex LC Receptacle	Variation of IEC 61000-4-2	Typically, no damage occurs with 15 kV when the duplex LC connector receptacle is contacted by a Human Body Model probe.
Electrostatic Interference (EMI)	CISPR22 ITE Class B EN55022 Class B FCC Class B	Compliant with standards
Immunity	IEC61000-4-3 Class 2 EN55024	Typically show no measurable effect from a 3V/m field swept from 80 to 1000MHz applied to the transceiver without a chassis enclosure.
RoHS Compliance		Less than 1000 ppm of cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls, and polybrominated biphenyl ethers.

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