

# 10Gb/s 40Km DWDM SFP+ Transceivers RTXM228-2XX

The RTXM228-2XX transceivers are designed to transmit and receive serial optical data over 40km single mode optical fiber.

They are compliant with SFF-8431, SFF-8432, 10GFC, ITU-T G.691 and 10GBASE-ER/EW. The transmitter converts serial CML electrical data into serial optical data compliant with the IEEE 802.3ae standard. The receiver converts serial optical data into serial CML electrical data. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472.

## Specifications

(Tc=-5 °C to 70 °C and Vcc= 3.14 to 3.46V)

Parameter	Symbol	Unit	Min	Typ	Max	Note
Transmitter						
Nominal Wavelength		nm	1528.77		1563.05	
Center wavelength Spacing		GHz	-	100	-	
Wavelength Tolerance		pm	-50		50	
Side Mode Suppression Ratio	SMSR	dB	30			
Spectral Width(-20dB)	$\Delta$	nm			0.3	
Optical Output Power	Power	dBm	-1		2	
Extinction Ratio			8.2			
Transmitter and Dispersion Penalty	TDP	dB			3	1

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## Ordering Information

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Part No.	Specifications	Application
	°C	

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## Electric Ports Definition

Parameter	Symbol	Unit	Min	Typ	Max	Note
Transmitter						
Receiver						

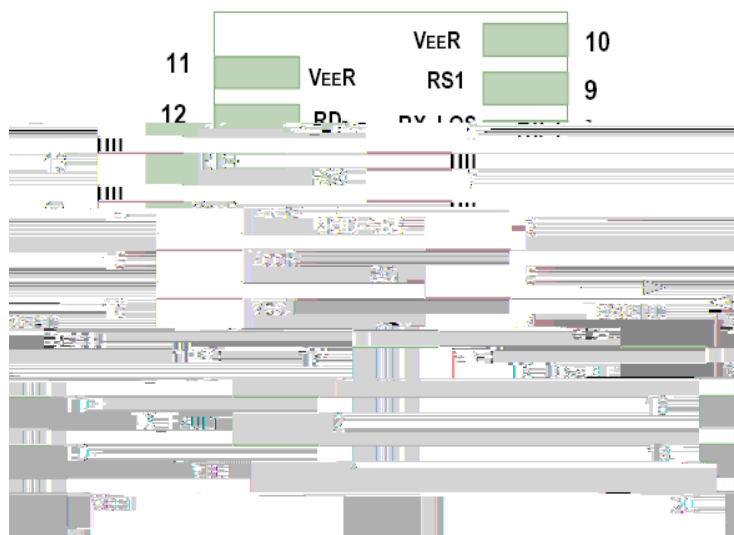


Figure 2.Pin function definitions

Pin Number	Symbol	Name	Description
1,17,20	VeeT	Transmitter Signal Ground	F3

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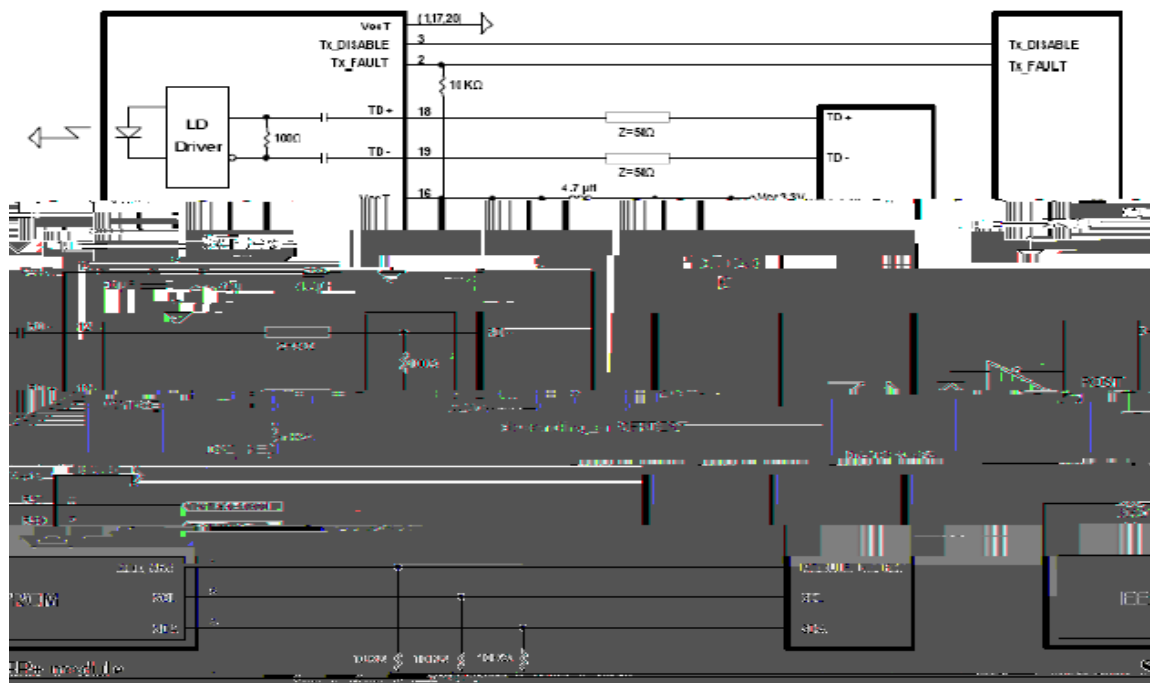
board.

f before t\_fault)

2 TX Fault Transmitter Fault Out (OC) This pin is open collector compatible, and should be pulled

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## Typical Application Circuit



## Package Outline

