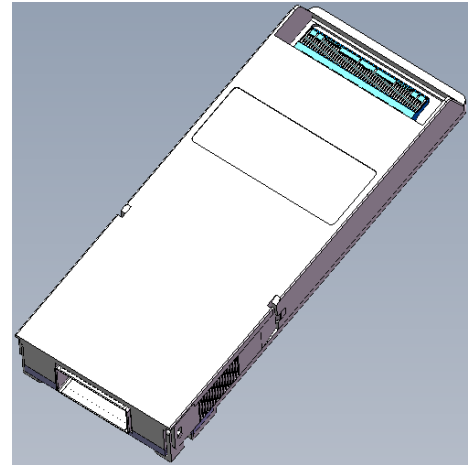


Conv-CFP2-QSFP28

Адаптер CFP2-QSFP28



Особенности:

- Compatible with CFP2 MSA Specification
- Compatible with QSFP28 MSA Specification
- Single 3.3V Power Supply and Power Dissipation < 1.8W
- Case Temperature Range: Standard: 0°C - 70°C
- Hot Pluggable 104-Pin Connector
- 4 x 25G CFP2 Electrical Plug_ Interface Provided
- 4 x 25G QSFP28 Electrical Socket_ Interface Provided
- Management and Control via MDIO 2-Wire Interface
- Complaint with the EU RoHS 6 Environmental Requirements

Области применения:

- Convert QSFP28 port to CFP2 port
- 100GBASE Ethernet
- OTU4

Electro Static Discharge (ESD)

The maximum electrostatic charge based on a human body model and the conditions as outlined below is:

Parameter	Conditions	Symbol	Min	Typ	Max	Units
Static Discharge Voltage	MIL STD 883 Method				500	V

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit
Storage Temperature	Ts	-40	+85	°C
Supply Voltage	Vcc	-0.5	3.6	V
Operating Relative Humidity	RH	5	85	%

*Exceeding any one of these values may destroy the device immediately.

Recommended Operating Conditions

Parameter	Symbol	Min.	Typical	Max.	Unit
Operating Case Temperature	T_A	0		+70	°C
Power Supply Voltage	V_{CC}	3.135	3.3	3.465	V
Power Supply Current*	I_{CC}	-		550	mA
Aggregate Bit Rate	BR_{AVE}	-	103.125	111.8	Gbps
Lane Bit Rate	BR_{LANE}	-	25.78	27.95	Gbps

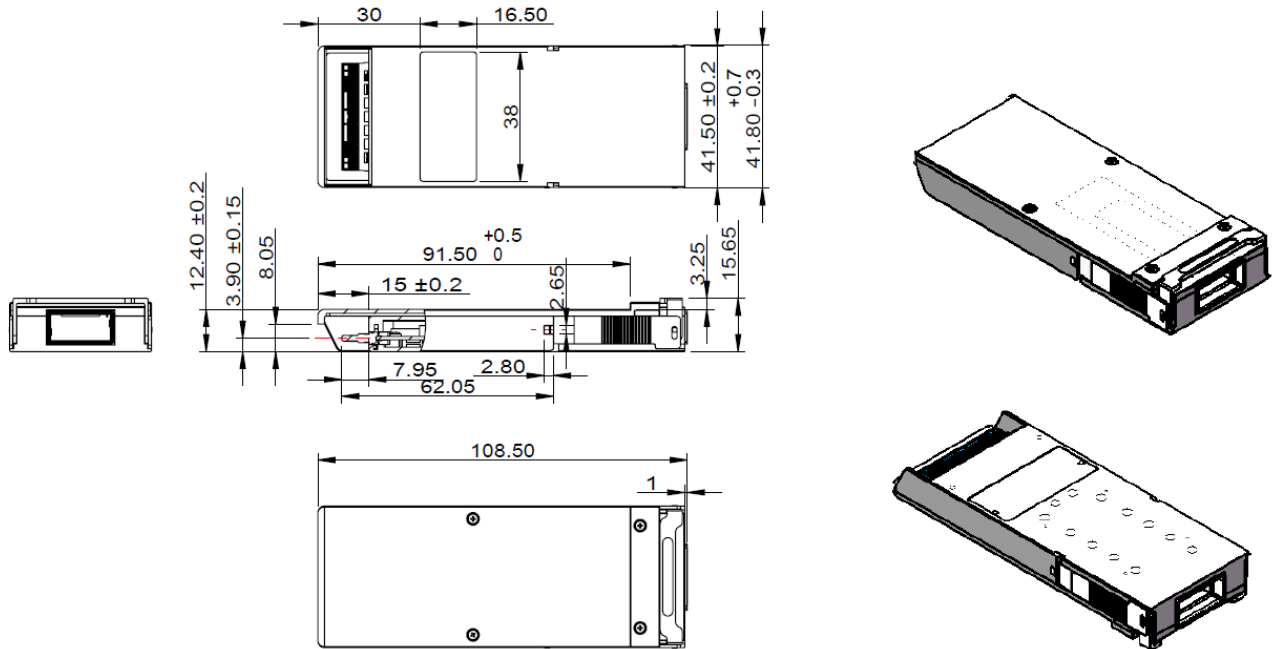
*the load current here is only the converter.

Performance Specifications - Electrical

Parameter	Symbol	Min.	Typ.	Max	Unit	Notes
Transmitter						
Input Amplitude (Differential)	V_{in}	150		1000	mVpp	AC coupled inputs
Input Impedance (Differential)	Z_{in}	85	100	115	ohms	$R_{in} > 100$ kohms @ DC
TX_DIS	Disable	V_{IH}	2		$V_{CC}+0.3$	V
	Enable	V_{IL}	0		0.8	
Receiver						
Output Amplitude (Differential)	V_{out}	340		900	mVpp	AC coupled outputs
Output Impedance (Differential)	Z_{out}	85	100	115	ohms	
Output Rise/Fall Time	t_r/t_f	24			ps	20%~80%
RX_LOS	LOS	V_{OH}	2.4		$V_{CC}+0.3$	V
	Normal	V_{OL}	0		0.8	V

Conv-CFP2-QSFP28

Mechanical Specification



Conv-CFP2-QSFP28