

100G QSFP28 Active Optical Cables

Key Features

- 4 High-speed full duplex channels
- QSFP28 MSA compliant
- Cable lengths from 1 to 70 meters, OM3 Cable Type
- RoHS Compliance
- Operating temperature range: 0°C to 70°C.

Applications

- 100G Ethernet Links
- Infiniband QDR and DDR interconnects

Industry/Regulatory Compliance

Product Certificate	Applicable Standard
TUV	EN 60950-1:2006+A11+A1+A12+A2
	EN 60825-1:2014
	EN 60825-2:2004+A1+A2
UL	UL 60950-1
	CSA C22.2 No. 60950-1-07
EMC CE	EN 55022:2010
	EN 55024:2010
FCC	47 CFR PART 15 OCT., 2013
FDA	CDRH 1040.10
ROHS	2011/65/EU

Ordering Information

ProLabs Part Number	Description
QSFP28-100G-AOC-3M-NC	100G QSFP28 Active Optical Cable 3m
QSFP28-100G-AOC-7M-NC	100G QSFP28 Active Optical Cable 7m
QSFP28-100G-AOC-10M-NC	100G QSFP28 Active Optical Cable 10m
QSFP28-100G-AOC-15M-NC	100G QSFP28 Active Optical Cable 15m



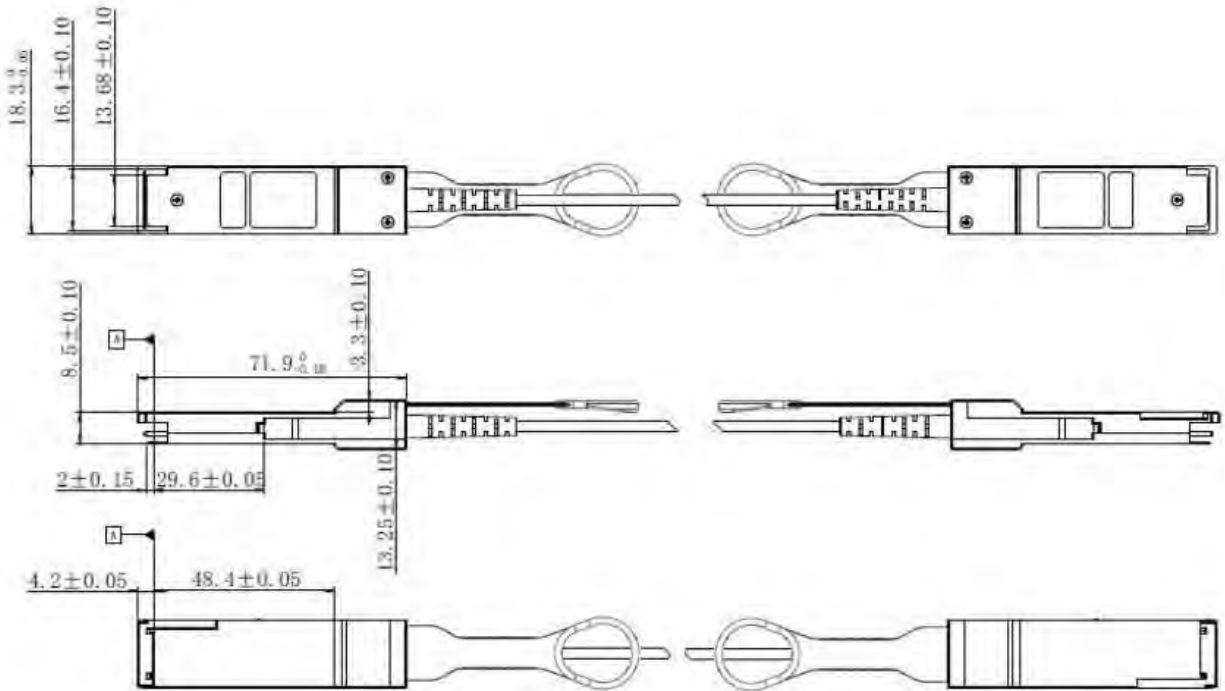
Specifications

Absolute Maximum Ratings					
Parameter	Symbol	Min	Max	Units	Notes
Bit Error Rate	BER			10 ⁻¹²	
Operating Temperature	TOP	0		70	°C
Storage Temperature	TSTO	-40		85	°C
Input Voltage	VCC	3.13	3.3	3.46	V
Maximum Voltage	VMAX	-0.5		3.6	V
Bit Error Rate	BER			10 ⁻¹²	

Electrical Input Specifications						
Parameter	Symbol	Min	Typ	Max	Unit	Notes
Data Rate Per Channel	Dr		25.78125		GB/s	Non condensing
Differential Input Amplitude	VIN_PP	300		1200	mV	

Electrical Output Specifications						
Parameter	Symbol	Min	Typ	Max	Unit	Remarks
Data Rate Per Channel	Dr		25.78125		GB/s	Non condensing
Differential Output Amplitude	Vout_PP	340		700	mV	
Differential Output Amplitude in Squelched state	Vout_sq			50	mV	
Single Ended Voltage Tolerance	V	-0.3		3.8	V	
Output AC Common Mode Voltage	Vcm			7.5	mV	RMS
Output Transition Time	Tr, Tf	28			ps	
Total Jitter	Tj			0.7	Ulp-p	

Mechanical Dimensions



All dimensions in mm.

