



EQSX-CageCxx QSFP+ Breakout to SFP+ Cage Converter

Features

- QSFP+ MSA Compliant
- SFP+ MSA footprint
- QSFP+ Side Custom Memory Maps Capability
- Case Temperature range from 0° to 70°C
- Prolong the transmission distance of QSFP+ Port

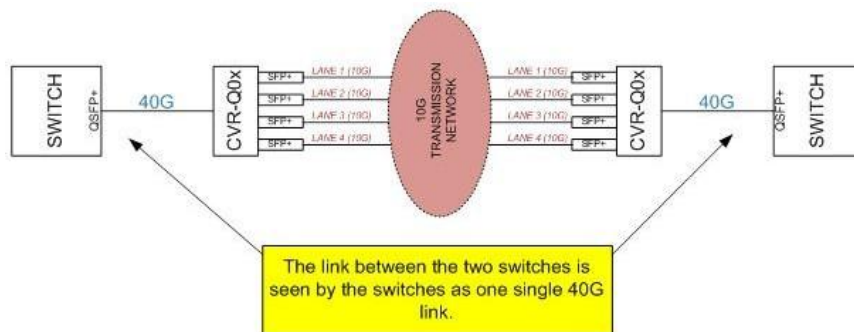


Applications

- Ethernet QSFP+ Switch and NIC/CIN
- InfiniBand QSFP+ Server, Switch and NIC/CIN

Product Description

This is to be used for a special application, where a customer of ours wants to install a 40G link between two Ethernet switches over an existing 10G transmission network. He wants to split each lane into a separate 10G but the link is still going to be seen by the switches as one single 40G link. See drawing below.



This converter is using together with SFP+ Transceiver



When using with either , make sure your switch is configured in 4 x 10G mode instead of 1 x 40G mode. Because both extenders are designed as a breakout 4 x 10G extender.

SFP+ Modules Transceiver list.

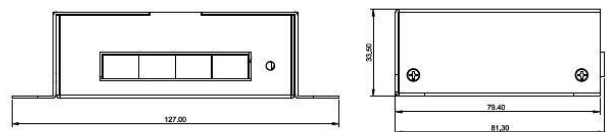
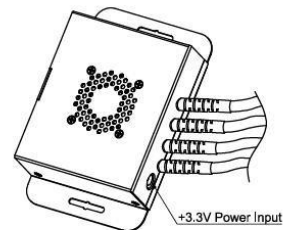
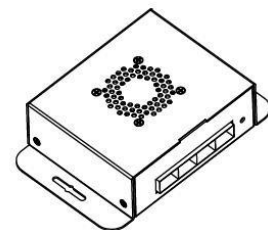
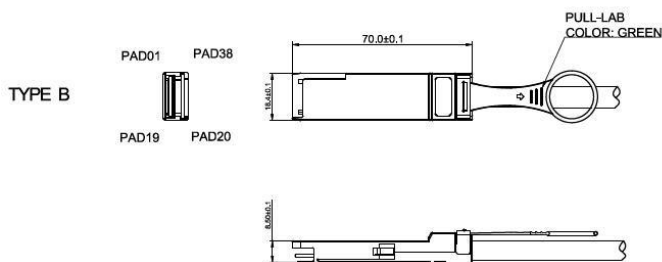
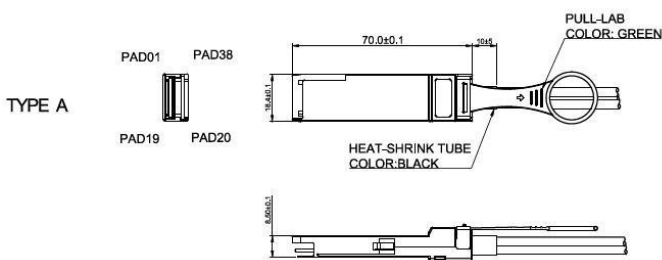
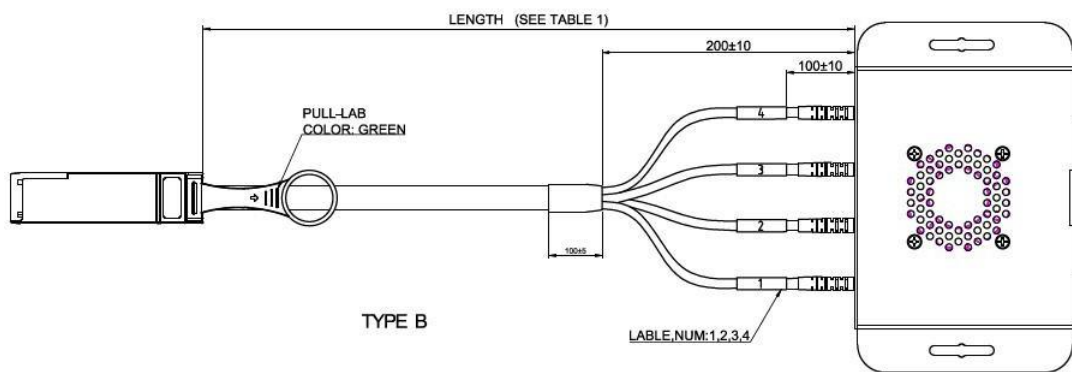
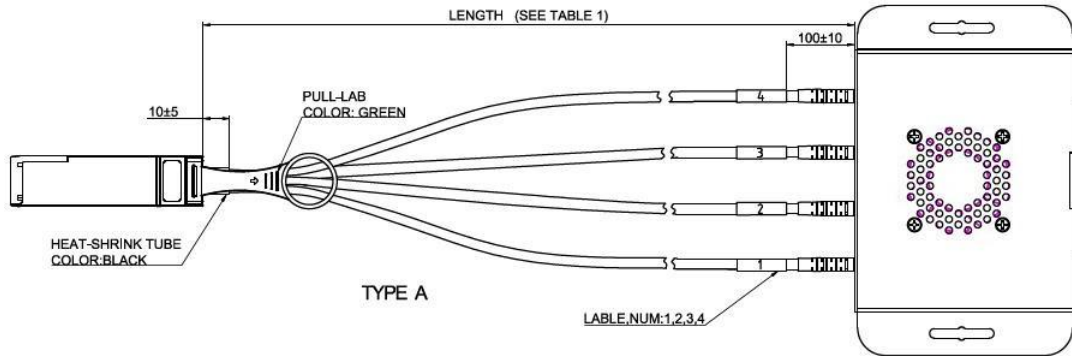
P/N	Product	Distance	Wave length
ES85X-3LCD03	SFP+ SR	300M	850nm
ES31X-3LCD10	SFP+ LR	10KM	1310nm
ES55X-3LCD40	SFP+ ER	40KM	1550nm
ES55X-3LCD80	SFP+ ZR	80KM	1550nm
ESCxxX-3LCD40/80	SFP+ CWDM	40~80KM	CWDM
ESDxxX-3LCD40/80	SFP+ DWDM	40~80KM	DWDM

PERFORMANCE SPECIFICATIONS - ELECTRICAL

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	NOTES
Rated Voltage	V		3.3		V	@4A Power Supply
Rated Temperature	T	0		70	°C	
Different Impedance	Zr	90	100	110	Ω	TDR Rise Time 39ps 20%~80%
Delay for Inter		50			ps/m	
Delay for Intra		10			ps/m	
Attenuation(GHz)						
0.20GHz		0.06				
0.60GHz		1.10				
1.5GHz		1.65			dB/m	
2.5GHz		2.42				
3.25GHz		2.75				
5GHz		3.52				



Mechanical Specifications





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Order Information

Part Number	AWG	LENGTH	Description
EQSX-CageC0	30	0.5M	QSFP-4*SFP+ Cage Connector,30AWG,0.5M
EQSX-CageC1	26	1M	QSFP-4*SFP+ Cage Connector 26AWG,1M