Features

- 100GbE to 4x25GbE data rate

- SFF-8402 SFP28 compliant

- SFF-8665 QSFP28 compliant

- Single 3.3V supply voltage

- Hot pluggable

- RoHS compliant

- SFF-8432 compliant

- IEEE P802.3bj compliant

Applications

- Low EMI radiation Switches, servers and router

- Data Center networks

- Storage area networks

- High performance computing

- Telecommunication and wireless infrastructure

- Medical diagnostics and networking

- Test and measurement equipment
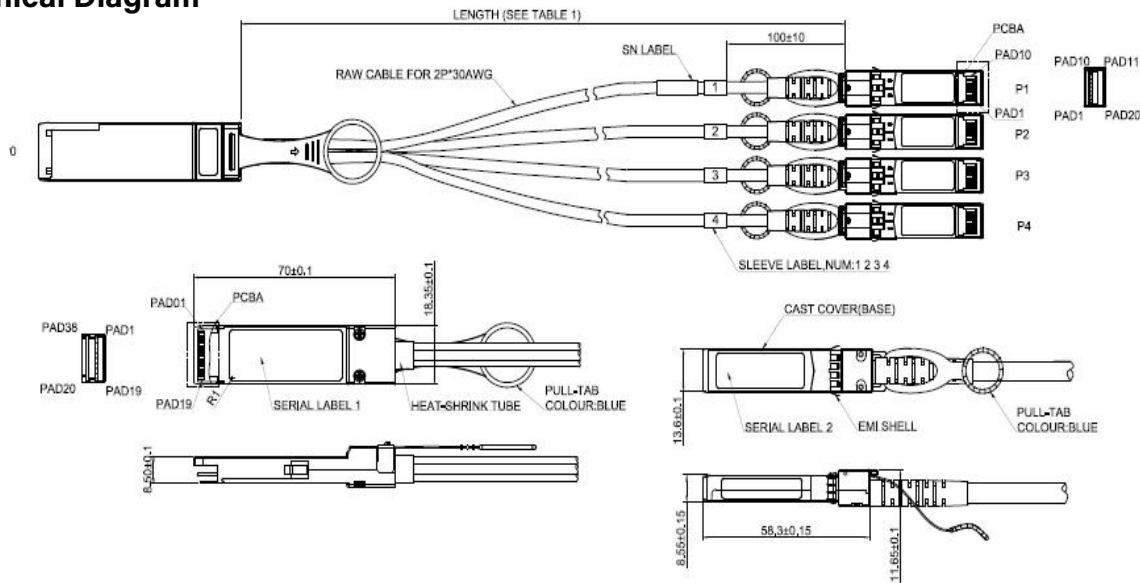
1. Recommended Operation Condition

Stress or conditions exceed the above range may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those listed in the operational sections of this specification is not applied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

Parameter	Symbol	Min	Max	Unit
Operating Case Temperature	Topc	-20	85	°C
Storage Temperature	Tst	-40	85	°C
Relative Humidity (non-condensation)	RS	35	60	%
Supply Voltage	VCC3	3.35	3.465	V
Voltage on LVTTL Input	Vilvttl	-0.3	VCC3+0.2	V
Power Supply Current	ICC3		15	mA
Total Power Consumption	Pd	-	0.05	W

2. Mechanical Specifications

Parameter	Minimum	Typical	Maximum	Unit
Cable Diameter (26 AWG)		QSFP28: 0.4409 SFP28: 0.2204		
Bend Radius (26 AWG)	QSFP28: 2.204 SFP28: 1.102			
Cable Diameter (28 AWG)		QSFP28:0.3897 SFP28: 0.195		Inches
Bend Radius (28 AWG)	QSFP28: 1.948 SFP28: 0.9750			Inches
Cable Diameter (30 AWG)		QSFP28: 0.3622 SFP28: 0.181		Inches
Bend Radius (30 AWG)	QSFP28: 1.811 SFP28: 0.905			Inches
Within Pair Skew			60	ps/5m
Cable Insertion Loss		15.34		dB/5m
Bulk Cable Time Delay			5.2	ns/m
Bulk Cable Impedance	95	100	105	Ohms
Insertion Force	/		QSFP28: 40 SFP28: 18	N
Withdrawal Force	/		QSFP28: 30 SFP28: 12.5	N
Retention Force	90		/	N
Durability	QSFP28: 250 Cycles SFP28: 250 Cycles		/	/

3. Mechanical Diagram

Note: External physical characteristics are subject to variation. This may include, but is not limited to, external case designs, pull tab colors and/or shapes, removal latch styles or colors, and label sizes and placement. These variations do not affect the function or characteristics of the transceivers.

4. Ordering Information

Our 100GBase QSFP28 Multi-vendor passive DAC cables come in varying lengths and OEM connection options. To build the perfect fit for you, please view how to create your part number below.

Example:
For a **Brocade** to **Cisco** DAC measuring the length of **1m**, the part number would be as follows:
Q100X25G-**BRCS**-CU-**1**M.

Please note that OEM abbreviations should be listed in alphabetical order.

Sample	OEM	OEM Abbreviations	Length <L>
	Arista	AN	0.5m
	Brocade	BR	1m
	Cisco	CS	1.5m
Q100X25G-XXXX-CU-<L>M	Dell	DF	2m
	Intel	IN	2.5m
	Juniper	JN	3m
	Mellanox	MX	5m
	MSA	MS	-

5. Contact Information

Tel: 800.590.9535
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