

Alpha Bridge AQSFP-T-05-P/SFPP/4 Datasheet



Features

QSFP+:

- Compliant with QSFP+ SFF8436
- Support IEEE P802.3ba (Ethernet)
- Support for multi-gigabit data rates : 1.0Gbps ~ 10.3125Gbps (per channel)
- High-Density QSFP 38-PIN Connector
- I2C based two-wire serial interface for easy control and monitoring

SFP+:

- Compliant with SFP+ SFF8436
- Support for multi-gigabit data rates up to 10.5Gbps
- Hot Pluggable SFP 20 PIN footprint
- AC coupling of PECL signals
- EMI/EMC performance
- Low Power consumption <0.5W
- RoHS Compliant

Application

- 40G Ethernet transmission
- Data center interconnect
- Infiniband, DDR, QDR
- High Performance Computing application

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Units	Note
Storage Temperature	T_S	-40	80	°C	
Power Supply Voltage	V_{CC}	3.14	3.47	V	

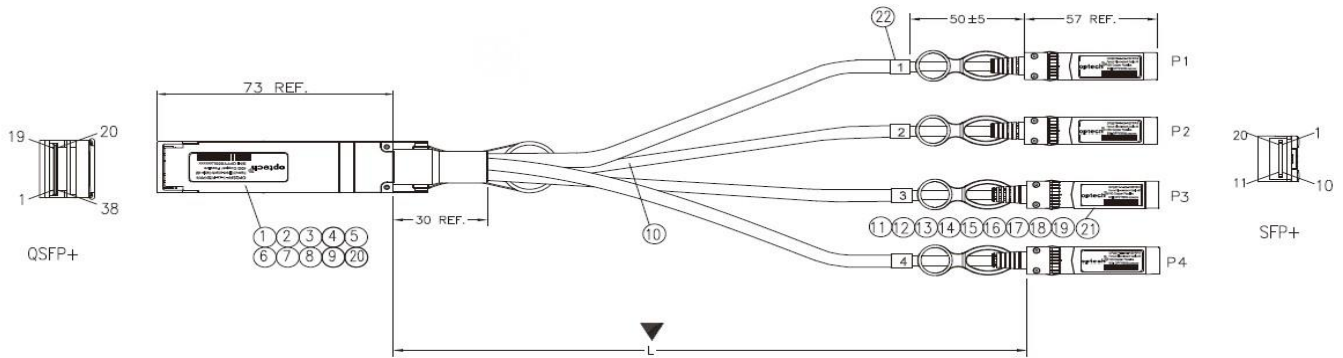
Recommended Operating Conditions

Parameter	Symbol	Min.	Max.	Units	Note
Operating Case Temperature	T_C	0	70	°C	
Power Supply Voltage	V_{CC}	3.14	3.47	V	
Power Dissipation	PD		0.5	W	

Cable Mechanical Specifications

Parameter	Symbol	Min	Type	Max	Units	Notes
Wire Gauge	30AWG	-	24 AWG	Wire Gauge		
Cable Impedance	Z	90	100	110	Ohm	

Dimensions



Ordering Information

Part Number	Model Number	Length (M)	AWG	Voltage	Temperature
AQSFP-T-05-P/SFPP/4	Twinax Copper	5	30	3.3V	0 °C to 70 °C

Note: All information contained in this document is subject to change without notice.