

Alpha Bridge ASFPP-T-01-PEL Datasheet



Features



- Compliant with SFP+ MSA
- Compliant with SFP MSA (INF-8074i)
- Support for multi-gigabit data rates up to 10.5Gbps
- Support for 1x, 2x, 4x and 8x Fiber Channel data rates
- Hot Pluggable SFP 20PIN footprint
- Serial ID module on MOD(0-2)
- AC coupling of PECL signals
- EMI/EMC performance
- Low Power consumption<0.5W
- RoHS Compliant

Application

- Storage Area Networks(SAN), Network Attached Storage and Storage Servers
- 1G/2G/4G/8G Fiber Channel
- Switched fabric I/O such as ultra high bandwidth switches and routers
- Data center cabling infrastructure
- High density connections among network equipments

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Units	Notes
Storage Temperature	T_S	-40	85	°C	
Supply Voltage	V_{CC}	3.14	3.47	V	

Recommended Operating Conditions

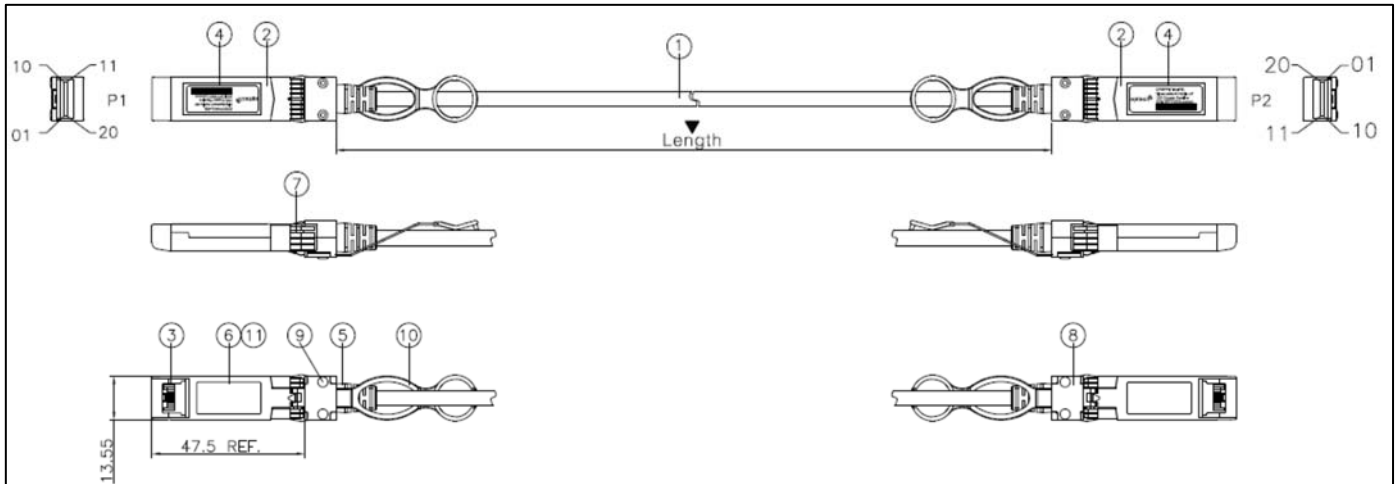
Parameter	Symbol	Min.	Max.	Units	Note
Storage Temperature		-40	85	°C	
Operating Case Temperature	T_C	0	70	°C	
Supply Voltage	V_{CC3}	3.14	3.47	V	
Power Dissipation	PD		0.5	W	

Electrical Characteristics

Parameter	Symbol	Min	Type	Max	Units	Notes
Supply Current	I_{CC}	-	-	100	mA	
Transmitter Differential Input Voltage(PECL)	V_{IN}	250	-	1200	mVpp	
Receiver Differential Output Voltage(PECL)	V_O	185	-	1000	mVpp	
Impedance	Z_{cable}	90	100	110	Ohms	
MOD-DEF1, 2	V_{IH}	2.0	-	V_{CC}	V	

Note: The supply current includes SFP Module's supply current and test board working current.

Dimensions



Important Notice

<p>Holding the SFP+ connector by its sides, insert the connector into the port on the switch</p>	<p>Do not handle by cable</p>	<p>DO NOT Over-bend the cable behind the connector</p>
<p>DO NOT twist the cable</p>	<p>DO NOT kink the cable</p>	<p>DO NOT bend up and down the cable</p>

Ordering Information

<i>Part Number</i>	<i>Model Number</i>	<i>Length (M)</i>	<i>AWG</i>	<i>Voltage</i>	<i>Temperature</i>
ASFPP-T-01-PEL	Twinax Copper	1	30	3.3V	0 °C to 70 °C

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

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