Alpha Bridge ASFPP-T-05-PAL 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.*	*Unites*	*Notes*
Storage Temperature	*TS*	-40	85	°C	
Supply Voltage	*Vcc*	3.14	3.47	V	

Recommended Operating Conditions

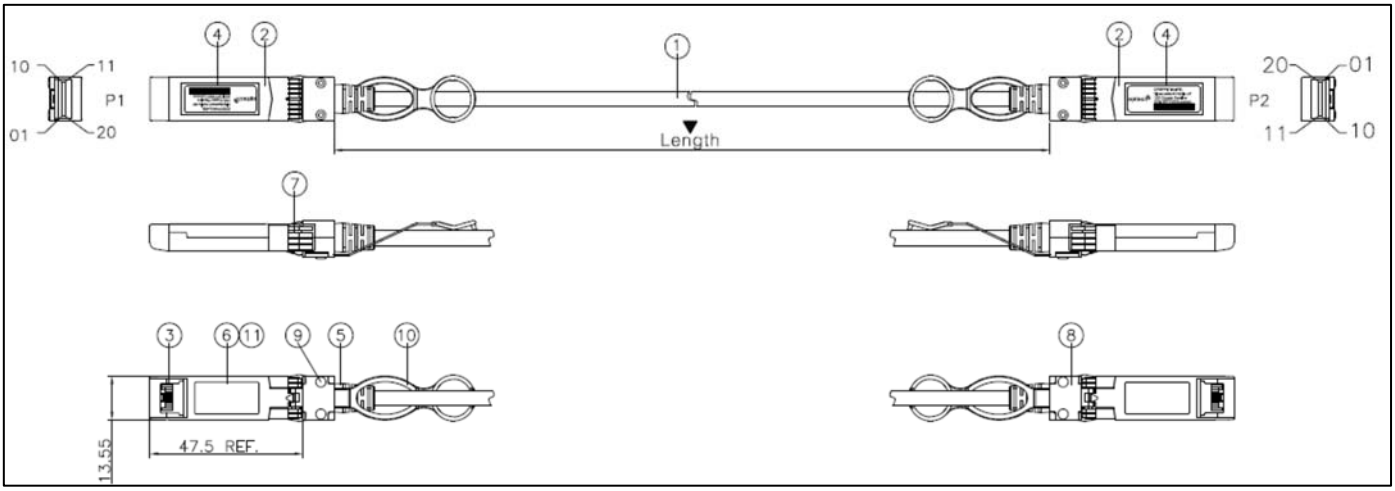
Parameter	*Symbol*	*Min.*	*Max.*	*Units*	*Note*
Storage Temperature		-40	85	°C	
Operating Case Temperature	*Tc*	0	70	°C	
Supply Voltage	*Vcc3*	3.14	3.47	V	
Power Dissipation	*PD*		0.5	W	

Electrical Characteristics

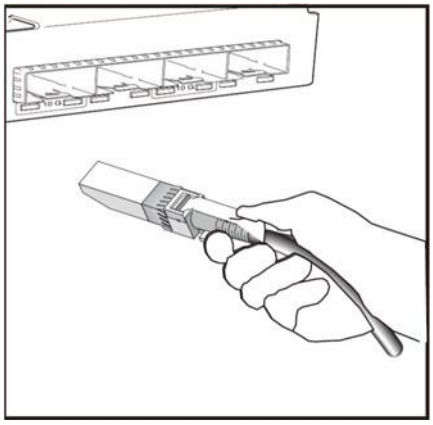
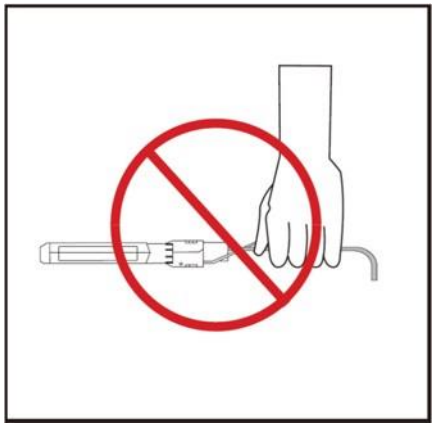
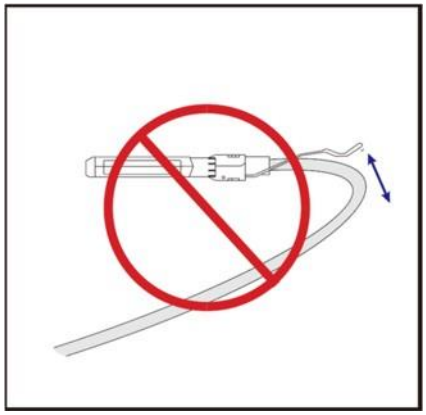
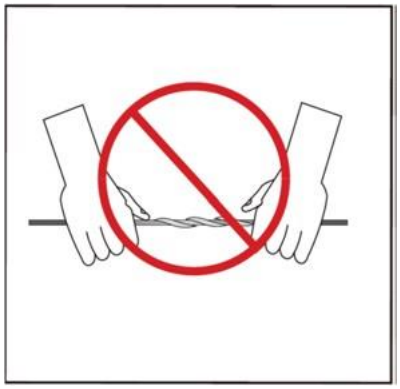
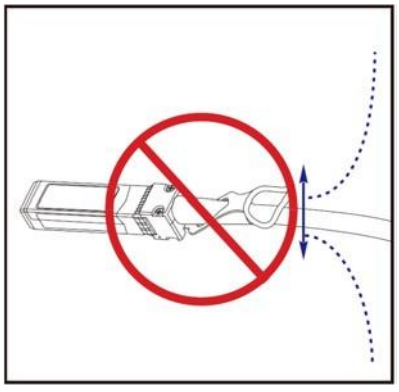
Parameter	Symbol	Min	Type	Max	Units	Notes
Supply Current	Icc	-	-	100	mA	
Transmitter Differential Input Voltage(PECL)	VIN	250	-	1200	mVpp	
Receiver Differential Output Voltage(PECL)	VO	185	-	1000	mVpp	
Impedance	Zcable	90	100	110	Ohms	
MOD-DEF1, 2	VIH	2.0	-	Vcc	V	

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

Dimensions



Important Notice

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

Ordering Information

Part Number	Model Number	Length (M)	AWG	Voltage	Temperature
ASFPP-T-05-PAL	Twinax Copper	5	24	3.3V	0 °C to 70 °C

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

Alpha Bridge® Technologies