



**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

**Applications**

- 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	Note
Storage Temperature	$T_s$	-40	85	°C	
Supply Voltage	$V_{cc3}$	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	

**Optech Technology Co., Ltd.**

**Electrical Characteristics**

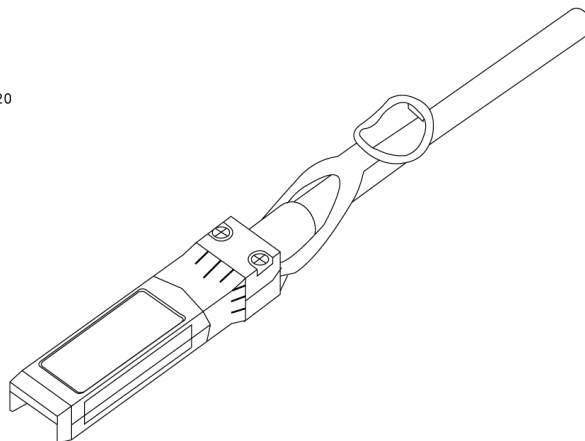
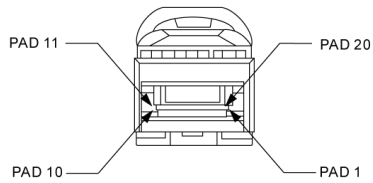
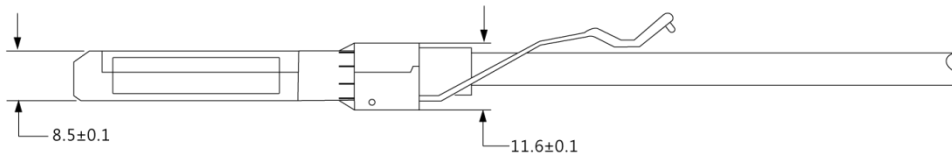
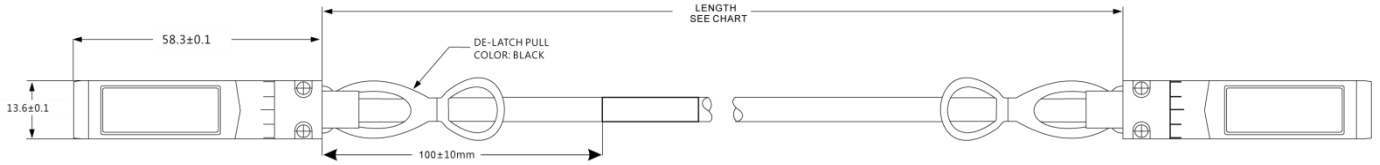
Parameter	Symbol	Min	Type	Max	Units	Notes
Supply Current	I <sub>cc</sub>	-	-	100	mA	
Transmitter Differential Input Voltage (PECL)	V <sub>IN</sub>	250	-	1200	mVpp	
Receiver Differential Output Voltage (PECL)	V <sub>O</sub>	185	-	1000	mVpp	
Impedance	Z <sub>cable</sub>	90	100	110	Ohms	
MOD-DEF1, 2	V <sub>IH</sub>	2.0	-	V <sub>cc</sub>	V	

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

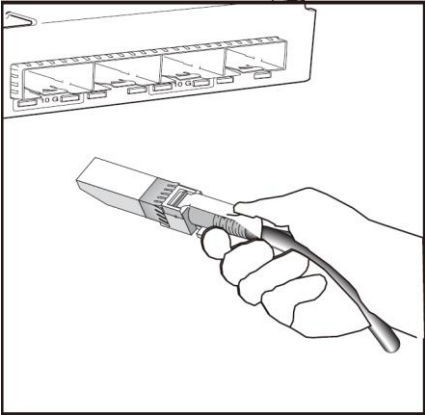
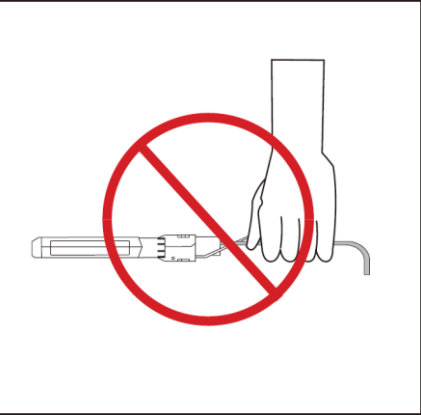
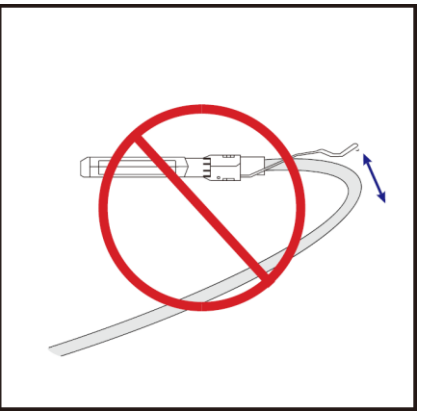


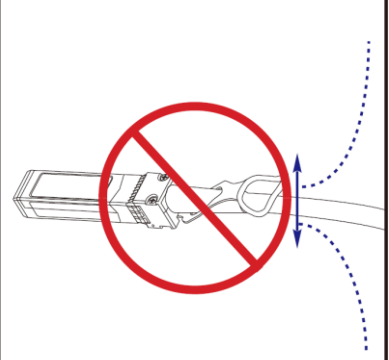
**Physical Data**

Parameter	Description	30AWG	24AWG	Units
Cable Diameter	OD	4.5	6.5	mm
Bend Radius	Minimum Sustained Bend	25	35	mm

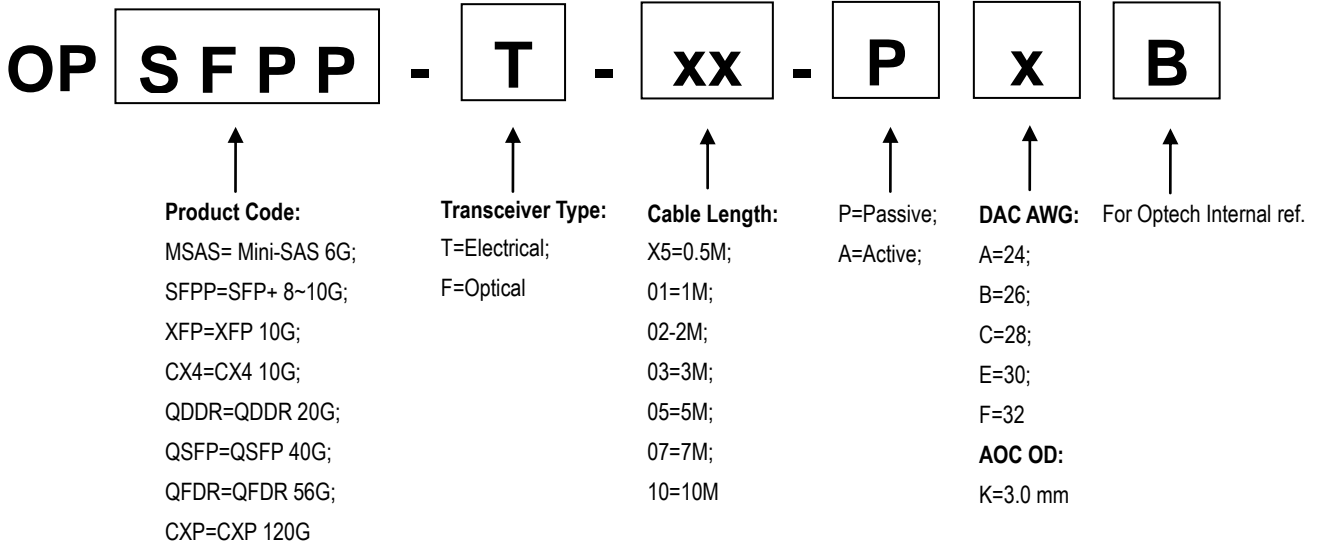
**Dimensions**



**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**



Part Number	Model Number	Length (M)	AWG	Voltage	Temperature
OPSFPP-T-X5-PEB	Twinax Copper	0.5	30	3.3V	0°C to 70 °C
OPSFPP-T-01-PEB	Twinax Copper	1	30	3.3V	0°C to 70 °C
OPSFPP-T-02-PEB	Twinax Copper	2	30	3.3V	0°C to 70 °C
OPSFPP-T-03-PEB	Twinax Copper	3	30	3.3V	0°C to 70 °C
OPSFPP-T-05-PAB	Twinax Copper	5	24	3.3V	0°C to 70 °C
OPSFPP-T-07-PAB	Twinax Copper	7	24	3.3V	0°C to 70 °C

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