

Amphenol ICC

SFP

Amphenol ICC's SFP product family supports applications for up to 6Gb/s per channel. The connector accepts multiple transceivers per INF-8074i and combines, transmits, and receives functions in a low cost, compact format. The assemblies are designed to maximize valuable space on the PCB. The cages have a two-piece construction with enhanced transceiver mating tabs available in a Press-Fit version or a solder tail version. Light pipes are designed to deliver a "link" or "no link" status using LEDs attached on the PCB.

TECHNICAL INFORMATION

MATERIAL

- Housing: Black color, Glass reinforced, Lead Free Solder Reflow Process Compatible Thermo Plastic
- Contacts Base Material: Phosphor Bronze
- Plating Solder Tails: Matte tin or gold flash options
- Plating Mating Area: Gold
- Resonance Dampening Feature: Conductive Polymer

MECHANICAL PERFORMANCE

- Durability: 250 mating cycles
- Mating Force: 50 N max.
- Contact Normal Force: 100 grams
- PCB Thickness Solder-Post and Press-Fit (Cage): 1.45 mm (0.057in.)
- PCB Thickness Belly to Belly (Cage): 3.00 mm (0.118in.)
- Unmating Force (Cage): 11.50 N max.
- Insertion Force to PCB (Cage):
- 500 N for 1 port (1x1 cage)
- 1000 N for 2 port (1x2 cage)
- 2100 N for 4 port (1x4 cage)
- 3000 N for 6 port (1x6 cage)

ELECTRICAL PERFORMANCE

• Operating Voltage: 30 VDC per contact

TARGET MARKETS

- Operating Current: 0.5 A per contact
- Differential Impedance: $100\Omega + 10\Omega$

ENVIRONMENTAL

- Operating and (Storage) Temperature: -55° to +85°C
- RoHS & Halogen-Free

TOOLING INFORMATION

- Configurations:
- 1XN (N = 1,2,3,4,6)
- 2XN (N = 1,2,4,5,6,8)

TARGET MARKETS/APPLICATIONS



Cellular Infrastructure Network Interface

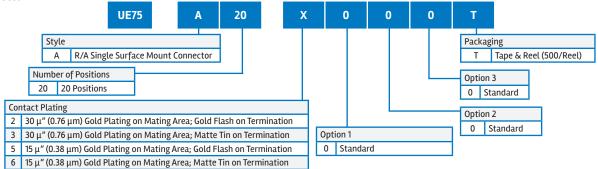
Hubs Servers Storage

Test and Measurement Equipment

www.amphenol-icc.com

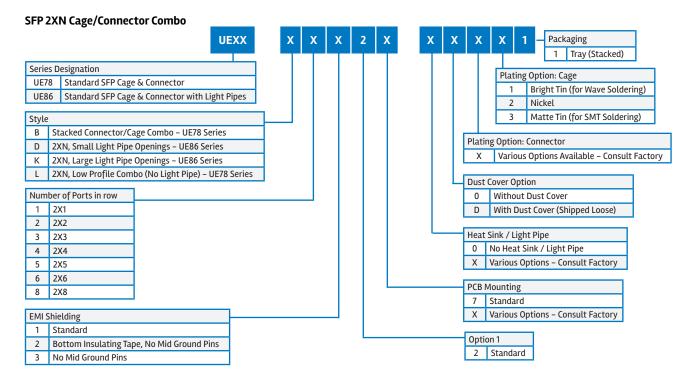


SFP Connector



SFP Cage

| 0 | U77 | x | х | x | x | x | x | X | (| x | х | Packaging |
|---|-----|---|---|---|---|---|---|---|---|---|---|--|
| | | | | | | | | | | | | 1 Tray (ACC Re-Packed) |
| Style | | | | | | | | | | | | T Tape & Reel (1X1 Only) |
| A 1Row | | | | | | | | | | | | A Heat Sink Shipped Assembled (1X1 Only) |
| C 1 Row Cage; Light Pipe Combo (Top) | | | | | | | | | | | | Option 1 |
| E 1 Row Cage; Heat Sink Combo (Fin) | | | | | | | | | | | | 0 Standard |
| F 1 Row Cage; 1° Angle (1X1 Only) | | | | | | | | | | | | 1 Cage with Light Pipe on Top |
| Number of Ports in row | | | | | | | | | | | | 8 Cage with Half-Moon Mid G-Pins |
| 1 Single in Row 2 Inline 1X2 | | | | | | | | | | | | Dust Cover Option |
| 4 Inline 1X4 | | | | | | | | | | | | 0 Without Dust Cover |
| 8 Inline 1X6 | | | | | | | | | | | | D With Dust Cover (Shipped Loose) |
| Chassis Grounding | | | | | | | l | | | | | Plating |
| 1 Metal Grounding Tabs | | | | | | | | | | | | 1 Bright Tin (for Wave Solder) |
| 2 Inner & Outer Flexible Spring Fingers | | | | | | | | | | | | 2 Nickel |
| | | | | | | | | | | | | 3 Matte Tin (for Reflow 245°) |
| Heat Sink / Light Pipe | | | | | | | | | | | | PCB Mounting |
| 1 No Heat Sink / Light Pipe | | | | | | | | | | | | X Various Options Available – Consult Factory |
| 2 Heat Sink | | | | | | | | | | | | A various options Available - consult l'actory |
| 3 Light Pipe (1XN Cage Only) | | | | | | | | | | | | |



HSIOSFP0118EA4

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Amphenol:

<u>U77A41102D01</u> <u>U77A11182D01</u> <u>U77A11121D01</u> <u>U77-F1619-2001</u> <u>U77-A1318-2001</u> <u>U77-E1628-200TL1</u> U77A261L2081 U77-A441M-2071 U77-A461H-2081 U77-C261M-2071 U77A16N82001