

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.



TARGET MARKETS



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
- Operating Current: 0.5 A per contact
- Differential Impedance: 100Ω +/- 10Ω

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

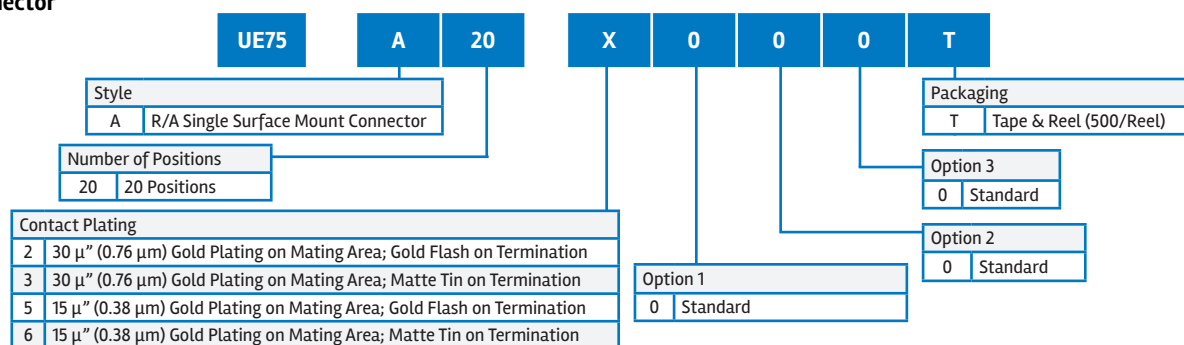


Hubs
Servers
Storage

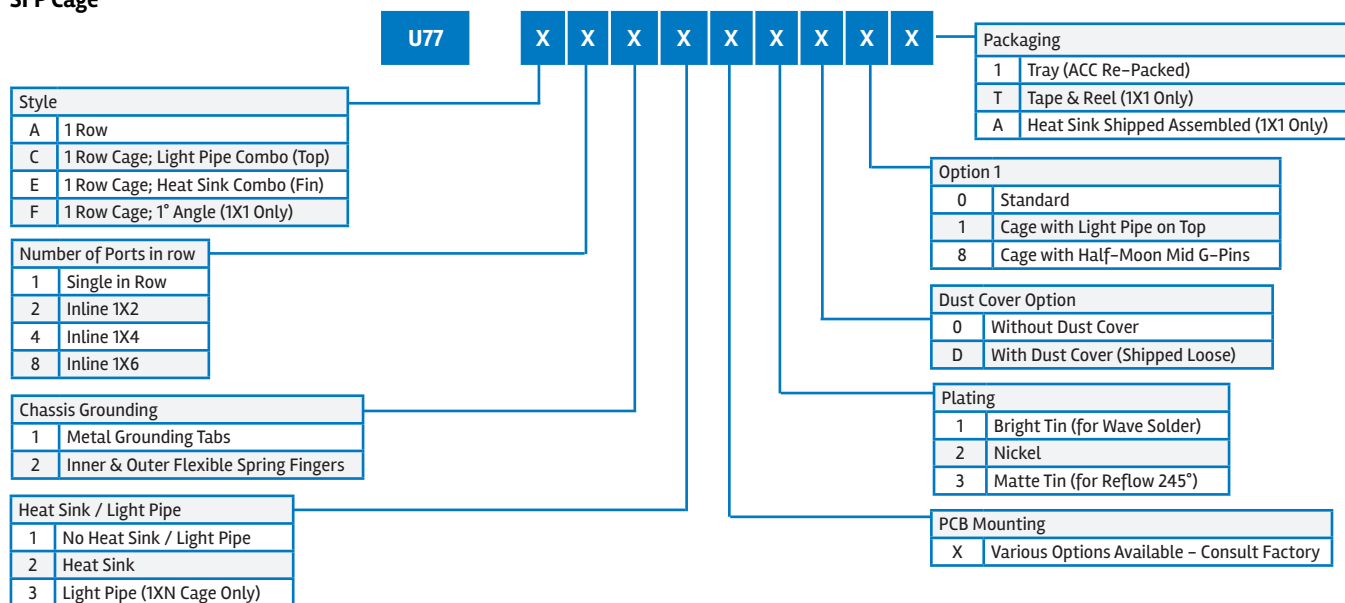


Test and Measurement Equipment

SFP Connector



SFP Cage



SFP 2XN Cage/Connector Combo

