

## 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
- 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

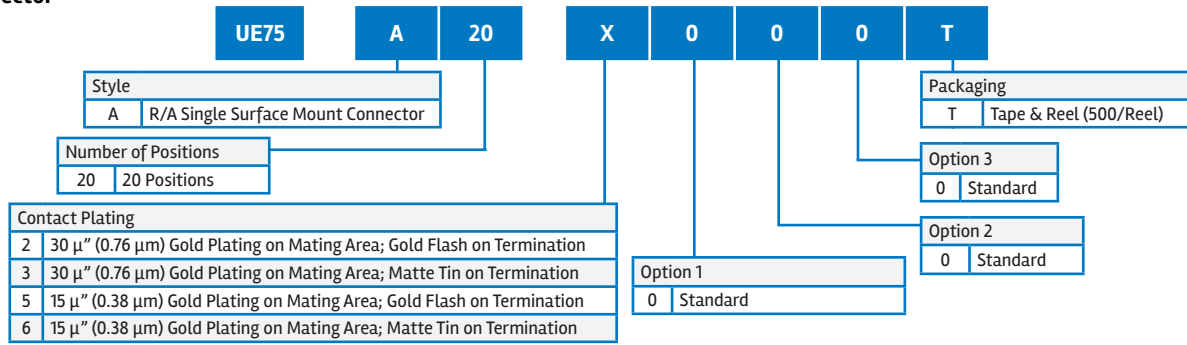


Hubs  
Servers  
Storage

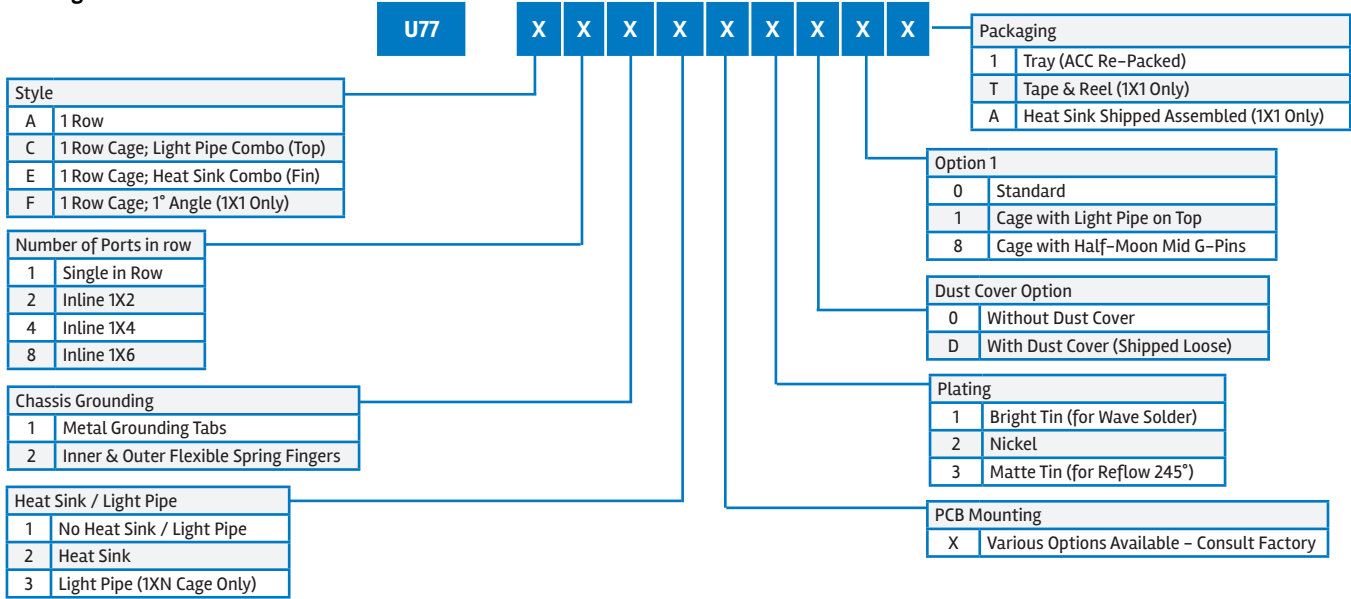


Test and Measurement Equipment

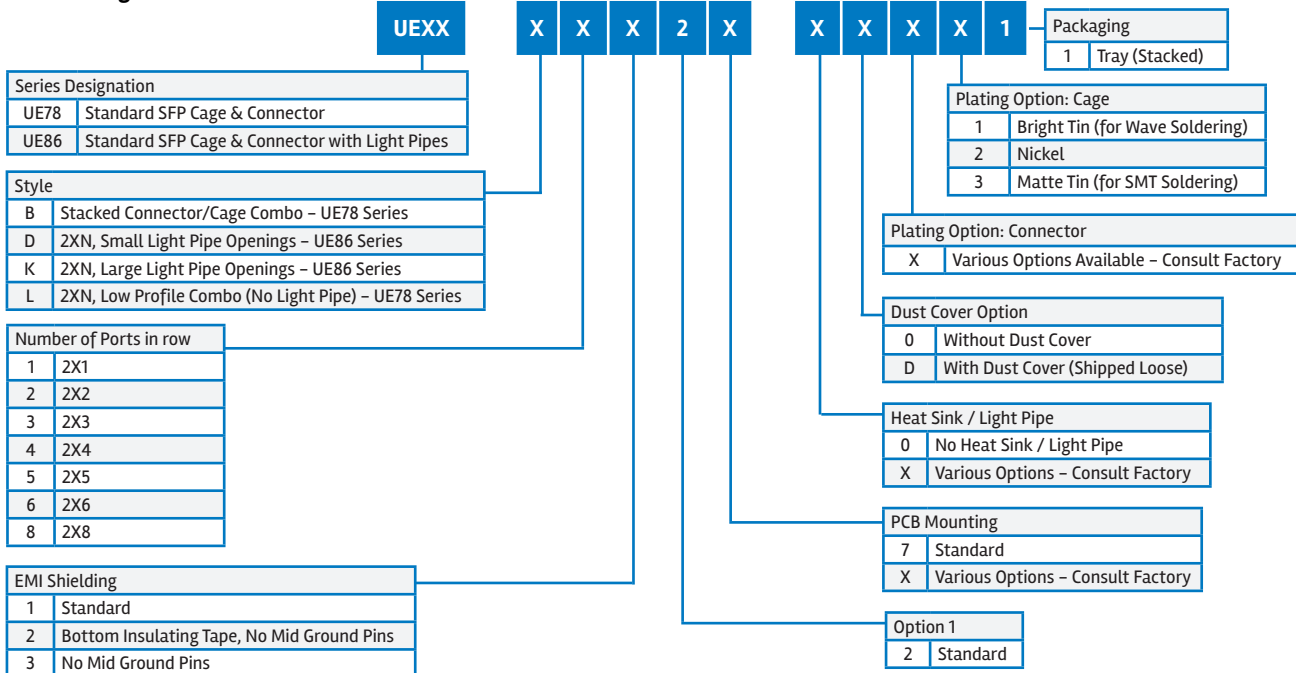
**SFP Connector**



**SFP Cage**



**SFP 2XN Cage/Connector Combo**



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Amphenol:

[U77-A1110-8000P](#) [UE75-A20-3000T](#) [U77-A1118-200T](#) [U77-A4114-2001](#) [U77-A6114-2001](#) [U77-A2114-200T](#)  
[U77C41102011](#) [U77A61102001](#) [U77C21142011](#) [U77A21102D01](#) [U77C41142011](#) [U77A11182001](#) [U77A21142001](#)  
[U77A21102001](#) [U77A41102D01](#) [U77C61142011](#) [U77A61142D01](#) [U77A41102001](#) [U77A11182D01](#) [U77A11121D01](#)  
[U77A21142D01](#) [U77A41142D01](#) [UE75A202000T](#) [UE75A202001T](#) [UE75A206000T](#) [U77C61102011](#)  
[U77C21102011](#) [U77C11182011](#) [UE78-B1126-00321](#) [UE75A205000T](#) [U77A11133001](#) [U77-E412M-2081](#)  
[UE78B212700321](#) [UE86-K1127-10321](#) [U77-A1113-300T](#) [U77-A111L-2081](#) [UE86D412710321](#) [UE78-B4127-00321](#)  
[U77A111L3071](#) [U77A111430L1](#) [U77-A1119-2001](#) [U77A16N82001](#) [UE86-K4127-10321](#) [UE78-B6127-00321](#) [UE78-](#)  
[B1127-00321](#) [UE78-L1126-00321](#) [UE86D612710321](#) [UE86D212710321](#) [U77A1112300T](#) [U77F13192081](#)  
[UE86K212710321](#) [U77A11123001](#) [U77A11282001](#) [U77A111430LT](#) [U77E11282001](#) [U77A11143001](#)  
[UE86K112710621](#) [U77A1114300T](#) [U77E41242031](#) [U77C211H2011](#) [UE78B112600621](#) [UE78B532700321](#)  
[U77E11D82001](#) [UE86K412710621](#) [U77A12182001](#) [U77A1114300R](#) [U77C41142D11](#) [U77A111330L1](#)  
[U77A11108006P](#) [U77A613H2001](#) [UE78B112600221](#) [U77A111330LT](#) [U77A111G2001](#) [U77A111430LR](#)  
[UE86K432710321](#) [U77C611H2011](#) [U77A111L2071](#) [U77C411H2011](#) [U77C11182D11](#) [U77A111L3081](#)  
[U77A11282021](#) [UE86K412720621](#) [UE86K412720321](#) [U77C11172011](#) [U77A111230LT](#)