

Amphenol ICC

UltraPort[™] SFP+

Low Cost, Compact And Flexible SFP28 Interconnect System

Amphenol ICC's UltraPort[™] SFP+ interconnect system comprises of a 20-position hot swappable I/O connector enclosed in a metal cage mounted to a host PCB. It supports 28Gb/s applications with a backward compatibility for next generation ethernet and fibre Channel applications. UltraPort[™] SFP+ connector shares the same unique mating interface and EMI cage dimensions as the SFP+ form factor.

The cages are built to use with several board thicknesses and assembly processes to accommodate server and switch applications for cost optimized solutions. The connector accepts multiple transceivers per INF-8081 to combine, transmit, and receive functions in a low cost, compact and flexible format. Stacked versions (2XN) consist of a 2-row cage with integrated connectors. A wide variety of cage configurations, with a two-piece construction and enhanced transceiver mating tabs are offered in press-fit or solder tail versions.

- Electrical interface employs 1 lane that operates up to 28Gb/s per channel
- UltraPort[™] SFP+ connector shares the same unique mating interface and EMI cage dimensions as the SFP+ form factor
- UltraPort[™] SFP+ connector accepts multiple transceivers per INF-8081 to combine, transmit, and receive functions in a low cost, compact and flexible format

FEATURES

- Electrical interface employs 1 lane that operate up to 28Gb/s per channel
- UltraPort[™] SFP+ connector shares the same unique mating interface and EMI cage dimensions as the SFP+ form factor
- UltraPort[™] SFP+ connector accepts multiple transceivers per INF-8081



BENEFITS

- Support next generation Ethernet and Fibre Channel applications
- Support previous generation systems
- Support various application requirements

www.amphenol-icc.com

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: 40 N max.
- Contact Normal Force: 0.3 N min./PIN
- PCB Thickness Single Side Mount (Cage): 1.57 mm (0.062 in.)
- PCB Thickness Belly to Belly (Cage): 3.00 mm (0.118 in.)
- Unmating Force (Cage): 12.5 N max.
- Insertion Force to PCB (Cage):
- 1000 N for 2 port
- 2100 N for 4 port
- 3000 N for 6 port

ELECTRICAL PERFORMANCE

- Operating Voltage: 30 VDC per contact
- Operating Current: 0.5 A per contact
- Differential Impedance: 100 Ω +/- 10 Ω

ENVIRONMENTAL

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

TOOLING INFORMATION

- Configurations:
 - IxN (N =1, 2, 3, 4, 5, 6, 8)
 - 2xN (N = 1, 2, 4, 5, 6, 8, 12)

TARGET MARKETS/APPLICATIONS



Cellular Infrastructure Telecommunications Hardware



Servers Storage



Test and Measurement Equipment



Medical Diagnostic Equipment

www.amphenol-icc.com

Disclaimer

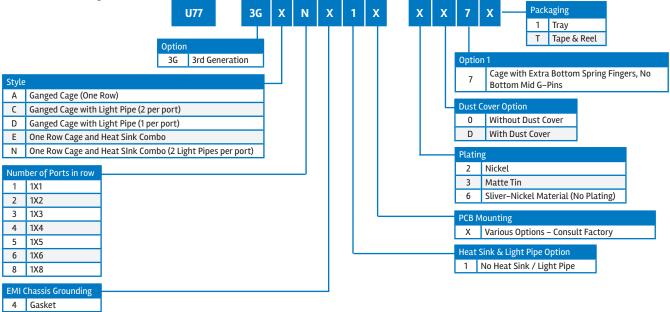
Please note that the above information is subject to change without notice.

>> UltraPort[™] SFP+

UltraPort[™] SFP+ Connector

		UE76	3GA	20		Х		6	0	0	Т	
Option 3GA 3rd Generation											Packa T	ging Tape & Reel
Number of Ports in Row 20 20 SMT Connector											Option 0 S	n 3 itandard
Plating											Option	1 2
2	30 $\mu^{\prime\prime}$ (0.76 μm) Gold at Mating Area Gold Flash in Termination										0	Standard
3	30 μ" (0.76 μm) Gold at Mating Area 3.0-7.62 μm Matte Tin in Termination					tion	Option 1				0	Stanuaru
5	15 μ" (0.38 μm) Gold at Mating Area Gold Flash in Termination						6 Standard]	
6	15 $\mu^{\prime\prime}$ (0.38 μm) Gold at Mating Area 3.0-7.62 μm Matte Tin in Termination						8	8 1XN belly to belly with 2XN				

UltraPort[™] SFP+ Cage



6 Spring Finger

UltraPort[™] Stacked SFP+ Packaging **UE86 3X** 2 0 Х Х Х Х Х 6 1 1 Tray Option Plating Option: Cage 3G 3rd Generation 6 Pre-Plating 3T Thermoenhancement Plating Option: Connector Number of Ports in row Х Various Options Available - Consult Factory 1 2X1 Dust Cover Option 2 2X2 0 Without Dust Cover 2X3 3 D With Dust Cover 2X4 4 5 2X5 **Light Pipe Option** X Various Options Available - Consult Factory 6 2X6 2X8 8 Mounting Type: Cage 12 2X12 0 Standard Cage Chassis EMI Option 4 Gasket 6 Spring Fingers Mounting Type: Connector 2 Standard Press-Fit Pins (25G/28G)

www.amphenol-icc.com

Disclaimer

Please note that the above information is subject to change without notice.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for I/O Connectors category:

Click to view products by Amphenol manufacturer:

Other Similar products are found below :

 571763P
 58098-0628
 72.250.1628.2
 72.250.2428.2
 74720-0505
 76.350.0729.0
 76871-1403
 FCN-244F080-G/1
 FCN-260A9920
 PCR

 E36PM
 PCS-XE26MA+
 G38A71314B
 1571250010
 157-22500-3
 MS3471L14-19P L/C
 192991-0703
 172501-4002
 172501-6002
 FCN

 260C008-A/L0
 FCN-260C024-AL0
 FCN-261Z008
 2000314-1
 200331-1
 PCR-E36FC+
 PCS-E28FS+
 PCS-XE26SLFD+
 PCS

 XE26SLFDT+
 G730VID08BDC24
 U90B2054081210
 UE86K842720321
 38113800006
 DP3AR020WQ1R200
 Z4.102.0680.0
 500-1040

 500-1052
 500-1054
 ZP-4008-66L
 0709821002
 DX40-20P(55)
 5554841-1
 MS3474W18-8P-LC*
 SM3106F14S-7S-LC
 U90B3054061110

 U65-E04-4020
 ZPF000000000097891
 557-262M2-06C
 747360449
 10099439-003C-TRLF
 10137239-0021LF
 E9320-001-01