

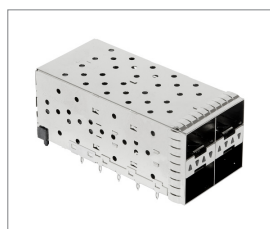
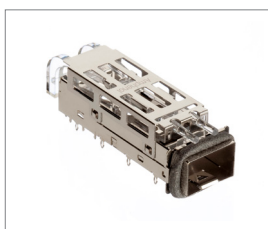
UltraPort™ SFP+

Product Description

The UltraPort™ SFP+ interconnect system is comprised of a 20-position hot swappable I/O connector enclosed in a metal cage mounted to a host PCB. It supports 28Gbps 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 for 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 and combines, transmits, and receives functions in a low cost, compact and flexible format. Stacked versions (2XN) consist of a 2-row cage with integrated connectors. We offer a wide variety of cage configurations, which have a two-piece construction with enhanced transceiver mating tabs available in press-fit or solder tail versions.

Applications		Supported Standards
Servers/Storage	Cellular infrastructure	Connector SFF-8071 (16Gbps), SFF-8402 (28Gbps), INF-8081
Medical diagnostic equipment	Telecommunications hardware	Cage SFF-8432
Test and measurement equipment		Ganged SFF -8433

Product Specifications - UltraPort® SFP+			
CONNECTOR		CAGE	
Materials Specifications			
Housing	Black color, Glass reinforced, Lead Free Solder Reflow Process Compatible Thermo Plastic	PCB Thickness	
Contacts Base Material	Phosphor Bronze	Single Side Mount	1.57 mm (0.062 in.)
Contact Normal Force	40 grams Minimum.	“Belly to Belly”	3.00 mm (0.118 in.)
Plating Solder Tails	Matte tin or Gold flash options		
Plating Mating Area	Gold		
Resonance Dampening Feature	Conductive Polymer		
Operating & Storage Temperature	-55 C° to 85 C°		
Electrical Specifications			
Operating Voltage	30 V DC per contact		
Operating Current	0.5 A per contact		
Differential Impedance	100 Ω +/-10 Ω		
Mechanical Specifications			
Mating Force	50 N max.	Unmating Force	11.50 N max.
Durability	250 mating cycles	Insertion Force to PCB	1000 N for 2 port 2100 N for 4 port 3000 N for 6 port
Options			
Packaging	Tape and Reel	Packaging	Tray, Tape and Reel Available for Single Port
Configurations	1 X N (N=1,2,3,4,5,6) 2 X N (N=1,2,4,5,6,8)		
Environmental Specifications			
RoHS	Yes		
Halogen Free	Yes		
Flammability Rating	UL 94V-0		



Ordering Information

UltraPort™ SFP+ Connector

UE76	SERIES DESIGNATION	3GA	OPTION	20	NUMBER OF PORTS IN ROW	X	PLATING	6	OPTION 1	0	OPTION 2	0	T	PACKAGING
UE76		3GA	3rd Generation	20	20 - 20 SMT Connector	X	2 - 30 µ" (0.76 µm) Gold at Mating Area Gold Flash in Termination 3 - 30 µ" (0.76 µm) Gold at Mating Area 3.0-7.62 µm Matte Tin in Termination 5 - 15 µ" (0.38 µm) Gold at Mating Area Gold Flash in Termination 6 - 15 µ" (0.38 µm) Gold at Mating Area 3.0-7.62 µm Matte Tin in Termination	6	6 - Standard	0	0 - Standard	0	T	T - Tape & Reel
									8 - 1XN belly to belly with 2XN					

UltraPort™ SFP+ Cage

U77	SERIES DESIGNATION	3G	OPTION	X	STYLE	N	NUMBER OF PORTS IN ROW	1	EMI CHASSIS GROUNDING	X	X	X	7	X	PACKAGING
U77		3G	3rd Generation	X	A - Ganged Cage (One Row) C - Ganged Cage with Light Pipe (2 per port) D - Ganged Cage with Light Pipe (1 per port) E - One Row Cage and Heat Sink Combo N - One Row Cage and Heat Sink Combo (2 Light Pipes per port)	N	1 - 1X1 2 - 1X2 3 - 1X3 4 - 1X4 5 - 1X5 6 - 1X6 8 - 1X8	1	4 - Gasket 6 - Spring Finger	X	X	X	7	X	1 - Tray T - Tape & Reel
															OPTION 1
															7 - Cage with Extra Bottom Spring Fingers, No Bottom Mid G-Pins
															DUST COVER OPTION
															0 - Without Dust Cover D - With Dust Covers
															PLATING OPTION FOR CAGE
															2 - Nickel 3 - Matte Tin 6 - Silver-Nickel Material (No Plating)
															PCB MOUNTING OPTION
															X - Various Options - Consult Factory
															HEAT SINK & LIGHT PIPE OPTION
															1 - No Heat Sink/Light Pipe

UltraPort™ Stacked SFP+

UE86	SERIES DESIGNATION	3X	OPTION	X	NUMBER OF PORTS IN ROW	X	CHASSIS EMI OPTION	2	MOUNTING TYPE : CONNECTOR	0	MOUNTING TYPE : CAGE	X	X	X	6	1	PACKAGING
UE86		3X	3G - 3rd Generation 3T - Thermoenhancement	X	1 - 2X1 2 - 2X2 4 - 2X4 5 - 2X5 6 - 2X6 8 - 2X8	X	4 - Gasket 6 - Spring Fingers	2	2 - Standard Press-Fit Pins	0	0 - Standard Cage	X	X	X	6	1	1 - Tray
																	PLATING OPTION: CAGE
																	6 - Pre-Plating
																	PLATING OPTION: CONNECTOR
																	X - Various Options Available - Consult Factory
																	DUST COVER OPTION
																	0 - Without Dust Cover D - With Dust Covers
																	LIGHT PIPE OPTION
																	X - Various Options Available - Consult Factory



Order Information:

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For more information consult factory or visit amphenol-highspeed.com

Product Applications; List represents common uses for the product but is not limited to these uses.

All specifications are subject to change without notice.

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