

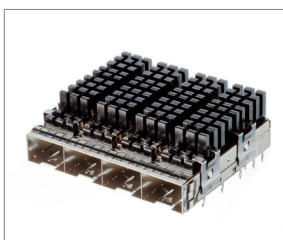
SFP

Product Description

Amphenol's SFP product family supports applications for up to 6 Gbps 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.

Applications		SFF Supported Standards
Storage	Cellular Infrastructure	Connector SFF-8071
Network Interface	Hubs and Servers	Cage SFF-8432
Test and Measurement Equipment	Switches	Ganged SFF-8433

Product Specifications - 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	Solder-Post and Press-Fit	1.45 mm (0.057in.)
Contact Normal Force	100 grams	"Belly to Belly"	3.00 mm (0.118in.)
Plating Solder Tails	Matte tin or Gold flash options		
Plating Mating Area	Gold		
Operating & Storage Temperature	-55° C to 85° C		
Electrical Specifications			
Operating Voltage	30 VDC 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	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)
Options			
Packaging	Tape and Reel	Packaging	Tray, Tape and Reel Available for Single Port
EMI Options, Heat Sink and Clip	Available		
Configurations	1XN (N = 1,2,3,4,6) 2XN (N = 1,2,4,5,6,8)		
Environmental specifications			
RoHS	Yes		
Halogen Free	Yes		
Flammability Rating	UL 94V-0		



Ordering Information

SFP Connector		UE75	A	20	X	0	0	0	T
UE75	SERIES DESIGNATION								
A	STYLE	A - R/A Single Surface Mount Connector							
20	NUMBER OF POSITIONS	20 - 20 Positions							
X	CONTACT PLATING	2 - 30 μ" (0.76 μm) Gold Plating on Mating Area; Gold Flash on Termination 3 - 30 μ" (0.76 μm) Gold Plating on Mating Area; Matte Tin on Termination 5 - 15 μ" (0.38 μm) Gold Plating on Mating Area; Gold Flash on Termination 6 - 15 μ" (0.38 μm) Gold Plating on Mating Area; Matte Tin on Termination							
	PACKAGING	T - Tape & Reel (500/Reel)							
	OPTION 3	0 - Standard							
	OPTION 2	0 - Standard							
	OPTION 1	0 - Standard							

SFP Cage		U77	X	X	X	X	X	X	X	X	X
U77	SERIES DESIGNATION										
X	STYLE	A - 1 Row C - 1 Row Cage; Light Pipe Combo (Top) E - 1 Row Cage; Heat Sink Combo (Fin) F - 1 Row Cage; 1° Angle (1X1 Only)									
X	NUMBER OF PORTS IN ROW	1 - Single in Row 2 - Inline 1X2 4 - Inline 1X4 6 - Inline 1X6									
X	CHASSIS GROUNDING	1 - Metal Grounding Tabs 2 - Inner & Outer Flexible Spring Fingers									
X	HEAT SINK / LIGHT PIPE	1 - No Heat Sink / Light Pipe 2 - Heat Sink 3 - Light Pipe (1XN Cage Only)									
X	PCB MOUNTING	X - Various Options Available - Consult Factory									
	PACKAGING	1 - Tray (ACC Re-Packaged) T - Tape & Reel (1X1 Only) A - Heat Sink Shipped Assembled (1X1 Only)									
	OPTION 1	0 - Standard 1 - Cage with Light Pipe on Top 8 - Cage with Half-Moon Mid G-Pins									
	DUST COVER	0 - Without Dust Cover D - With Dust Cover (Shipped Loose)									
	PLATING	1 - Bright Tin (for Wave Solder) 2 - Nickel 3 - Matte Tin (for Reflow 245°)									

SFP 2XN Cage/Connector Combo		UEXX	X	X	X	2	X	X	X	X	1
UEXX	SERIES DESIGNATION	UE78 - Standard SFP Cage & Connector UE86 - Standard SFP Cage & Connector with Light Pipes									
X	STYLE	B - Stacked Connector/Cage Combo - UE78 Series D - 2XN, Small Light Pipe Openings - UE86 Series K - 2XN, Large Light Pipe Openings - UE86 Series L - 2XN, Low Profile Combo (No Light Pipe) - UE78 Series									
X	NUMBER OF PORTS IN ROW	1 - 2X1 2 - 2X2 4 - 2X4 5 - 2X5 6 - 2X6 8 - 2X8									
X	EMI SHIELDING	1 - Standard 2 - Bottom Insulating Tape, No Mid Ground Pins 3 - No Mid Ground Pins									
2	OPTION 1	2 - Standard									
	PACKAGING	1 - Tray (Stacked)									
	PLATING OPTION: CAGE	1 - Bright Tin (for Wave Soldering) 2 - Nickel 3 - Matte Tin (for SMT Soldering)									
	PLATING OPTION: CONNECTOR	X - Various Options Available - Consult Factory									
	DUST COVER	0 - Without Dust Cover D - With Dust Cover (Shipped Loose)									
	HEAT SINK/LIGHT PIPE	0 - No Heat Sink / Light Pipe X - Various Options - Consult Factory									
	PCB MOUNTING	7 - Standard X - Various Options - 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.

