

UltraPort™ QSFP+

Product Description

The UltraPort™ QSFP+ interconnect system is comprised of a 38-position, 0.8mm pitch connector built for use in high speed serial applications. Each port offers 4 channels to increase port density which allows for more board real estate and cost optimized solutions. The UltraPort™ QSFP+ connector supports next generation 100G+ applications and transmits up to 28 Gbps/channel. It features a stamped and formed contact design providing improved mechanical durability. The resonance dampening features of the design allows for superior signal integrity performance. The design minimizes crosstalk and transmission line impedance discontinuity across the connector interface.

Applications	
Storage	Cellular infrastructure
Network Interface	Hubs and Servers
Test and measurement equipment	Switches

SFF Supported Standards		
Connector SFF-8662		
Cage SFF-8663		

Product Specifications - UltraPort® QSFP+					
CONNECTOR		CAGE			
Materials Specifications					
Housing	Black color, Glass reinforced , Lead Free Solder Reflow Process Compatible Thermo Plastic	PCB Thickness	2.35 mm (0.093in.)		
Contacts Base Material	Phosphor Bronze				
Contact Normal Force	50 grams min.				
Plating Solder Tails	Matte tin or Gold flash options				
Plating Mating Area	Gold				
Resonance Dampening Feature	Conductive Polymer				
Operating & Storage Temperature	-20° 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	40 N Maximum	Unmating Force	30 N Maximum		
Durability	250 mating cycles	Insertion Force to PCB	780 N for 1 port 1000 N for 2 Ports 1700 N for 4 Ports 2400 N for 6 Ports		
Options					
Packaging	Tape and Reel	Packaging	Tray		
Heat Sinks and Light Pipes	Available				
Configurations	1XN (N=1,2,3,4,6) 2XN (N=1,2,3)				
Environmental Specifications					
RoHS	Yes				
Halogen Free	Yes				
Flammability Rating	UL 94V-0				







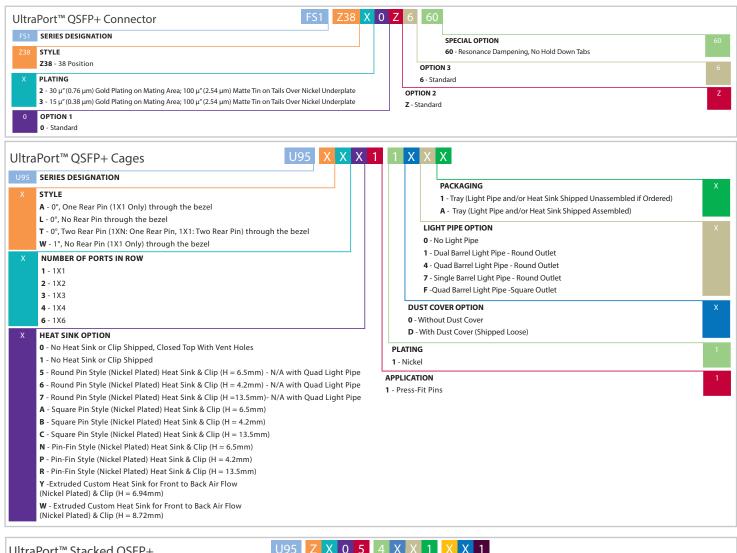


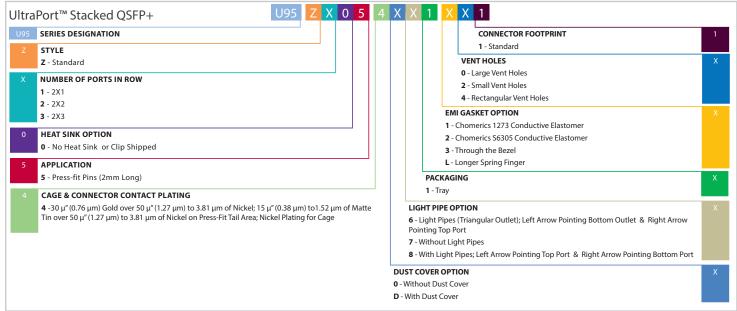






Ordering Information







Amphenol Order Information:
P: 416.291.4401 | F: 416.292.0647 | E: cages@amphenol-highspeed.com For more information consult factory or visit amphenol-highspeed.com

