

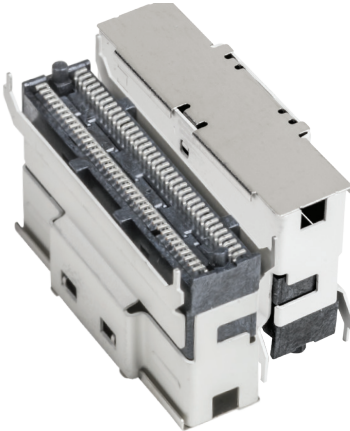
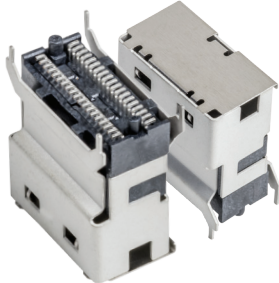
# UltraPort SlimSAS™

## Product Description

UltraPort SlimSAS™ addresses issues in next generation storage devices such as bulk cable, form factor restrictions and the introduction of multi-lane storage devices. Compliant with T10/Serial Attached SCSI (SAS-4) standard and also attuned with all known protocols, the interconnect system is a 38 or 74 position, 0.6 mm pitch receptacle designed for unshielded I/O connectors. This 0.6mm contact pitch is denser than existing solutions, allowing for more board real-estate. The connector supports an 85 Ω differential impedance and allows for internal and external system strategy and flexibility. This ribbon cable friendly interface is available in many assembly options and has over-molded contact design and PCB locating posts. The UltraPort SlimSAS™ offers superior signal integrity performance versus the standard Mini-SAS.

Applications
Servers
Switches
Routers
Data Center
Storage Racks
Storage Controllers
HBA (Host Bus Adapter) Servers
RAIDS (Redundant Array of Individual Disks)

SFF Supported Standards
Connector SFF-8654



Product Specifications - UltraPort Slim SAS™	
<b>CONNECTOR</b>	
<b>Materials Specifications</b>	
<b>Housing</b>	Black color, Glass reinforces, Lead Free Solder Reflow Process Compatible Thermo Plastic
<b>Contacts Base Material</b>	High Performance Copper Alloy
<b>Contact Normal Force</b>	50 grams nominal
<b>Plating Solder Tails</b>	Matte tin
<b>Plating Mating Tails</b>	Gold
<b>Resonance Dampening Feature</b>	Conductive Polymer
<b>Operating Temperature</b>	-40° to +85° C
<b>Electrical Specifications</b>	
<b>Maximum Voltage</b>	30 VDC per contact
<b>Maximum Current</b>	0.5 A per contact
<b>Differential impedance</b>	85 Ω +/- 10 Ω
<b>Mechanical Specifications</b>	
<b>Durability</b>	250 mating cycles min.
<b>Latch Retention Force</b>	50 N min.
<b>Connector Insertion Force</b>	55.5 N
<b>Connector Withdrawal Force</b>	49 N Max
<b>Options</b>	
<b>Packaging</b>	Tape and Reel Or Tray
<b>Latch Internal Plug Retention</b>	4X Right Angle 4X Vertical 8X Right Angle 8X Vertical 12X Right Angle 12X Vertical
<b>Configurations</b>	SMT/Pin-In-Hole Options Available
<b>Environmental Specifications Options</b>	
<b>RoHS</b>	Yes
<b>Halogen Free</b>	Yes
<b>Flammability Rating</b>	UL 94V-0

# Ordering Information

U10		X	0	XX	X	X	X	T
U10	<b>SERIES DESIGNATION</b>							
X	<b>STYLE</b>							
	A - 8X Right Angle							
	B - 8X Vertical							
	C - 4X Right Angle							
	D - 4X Vertical							
	E - 4X Vertical Low profile							
	F - 8X Vertical							
	G - 12X Vertical							
	J - 12X Right Angle							
	K - 12X Vertical							
0	<b>IMPEDANCE</b>							
	0 - 85 Ohm							
XX	<b>NUMBER OF POSITIONS</b>							
	38 - 38 Pins							
	74 - 74 Pins							
								<b>PACKAGING</b>
								T - Tape & Reel
								<b>OPTION 1</b>
								0 - Standard
								1 - No Resonance Dampening
								A - Offset Latch Pins
								<b>LATCH ANCHOR OPTION - RIGHT ANGLE</b>
								0 - Pin 1.5mm long Pin, Right Angle
								1 - SMT
								3 - No Latch
								4 - Pin 2.2mm long Pin, Right Angle
								5 - Pin 3.0mm long Pin, Right Angle
								6 - Pin 4.2mm long Pin, Right Angle
								<b>LATCH ANCHOR OPTION - VERTICAL</b>
								0 - Pin 1.5mm long, Pin inside footprint on Vertical
								1 - SMT
								2 - Pin 1.5mm long, Pin outside footprint on Vertical
								3 - No Latch
								4 - Pin 2.2mm long, Pin outside footprint on Vertical
								5 - Pin 3.0mm long, Pin outside footprint on Vertical
								6 - Pin 4.2mm long, Pin outside footprint on Vertical
								7 - Pin 2.2mm long, Pin inside footprint on Vertical
								8 - Pin 3.0mm long, Pin inside footprint on Vertical
								9 - Pin 4.2mm long, Pin inside footprint on Vertical
								<b>CONTACT PLATING</b>
								2 - 30 μ" (0.76 μm) Gold Plating over Nickel
								3 - 15 μ" (0.38 μm) Gold Plating over Nickel



## Order Information:

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For more information consult factory or visit [amphenol-highspeed.com](http://amphenol-highspeed.com)

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

