

# Ultraport SlimSAS™

## Characteristics

- 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
- 38 or 74 position, 0.6 mm pitch receptacle designed per the SFF-8654 specification for unshielded I/O connectors
- Consumes the same area as the Mini-SAS
- Increased signal integrity performance
- Allows internal/external system strategy and flexibility
- Increased high speed density
- Ribbon cable friendly interface with various assembly options
- RoHS Compliant and Halogen Free
- High-speed upper and lower contacts
- Over-molded contact design and PCB locating posts

## Product Applications

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

## Configurations

- 4X Right Angle
- 4X Vertical
- 6X Right Angle
- 6X Vertical
- 8X Right Angle
- 8X Vertical
- 12X Right Angle
- 12X Vertical

Product Specifications - Ultraport SlimSAS™	
<b>Materials</b>	
<b>Housing</b>	Black color, Glass reinforced , Lead Free Solder Reflow Process Compatible Thermo Plastic, UL94V-0 Rated
<b>Contacts Base Material</b>	High Performance Copper Alloy
<b>Contact Normal Force</b>	50g Nominal
<b>Plating Mating Area</b>	30 μ" (0.76 μm) min Gold over 50 μ" (1.27 μm) min Nickel
<b>Plating Solder Tails</b>	100 μ" (2.54 μm) min Tin, over 50 μ" (1.27 μm) min Nickel
<b>Resonance Dampening Feature</b>	Conductive Polymer
<b>Electrical Characteristics</b>	
<b>Maximum Voltage</b>	30V/Contact
<b>Maximum Current</b>	0.5A per contact
<b>LLCR</b>	80 mΩ Maximum
<b>Insulation Resistance</b>	1000 M Ω at 100V DC for 60 seconds
<b>DWV</b>	300V minimum DC for 60 seconds.
<b>Differential impedance</b>	85Ω
<b>Mechanical Characteristics</b>	
<b>Latch Retention Force</b>	50N Min
<b>Connector Insertion Force</b>	55.5N Max
<b>Connector Withdrawal Force</b>	49N Max
<b>Durability</b>	250 Mating Cycle Min
<b>Options</b>	
<b>Resonance Dampening Feature for SAS-3</b>	N/A
<b>Latch Internal Plug Retention</b>	SMT/Pin-In-Hole Options Available



