

# ► SERIAL-ATTACHED SCSI PERIPHERAL COMPONENT INTERCONNECT EXPRESS (SAS-PCI EXPRESS)



## TECHNICAL INFORMATION

### MATERIALS

- Contact base metal: Copper alloy
- Contact area plating: Gold over nickel
- Solder tail plating: Tin over nickel
- Retainer clip base metal: Copper alloy
- Retainer plating: Tin over nickel
- Housing: Halogen-free high temperature thermoplastic (UL94V-0)
- Housing color: Black

### ELECTRICAL PERFORMANCE

- Contact resistance: 30mΩ max. for signal contacts. Per EIA 364-23
- Current rating: 1.5A min. per contact with temperature rise not exceeding 30°C (power pins only: P1 – P15). Per EIA 364-70B
- Insulation resistance: 1000MΩ min. per EIA 364-21

### ELECTRICAL PERFORMANCE

- Humidity: 96 hours at 40°C with 90-95% relative humidity. Per EIA 364-31, method II, test condition A
- Temperature life: 85°C for 500 hours. Per EIA 364-17, test condition III, method A
- Thermal shock: 10 cycles between -55°C to +85°C. Per EIA 364-32, test condition I
- Mixed flow gas: Expose ½ samples unmated for 7 days and then mated for 7 additional days; the other ½ samples are exposed mated for 14 days. Per EIA 364-65, class II A

### MECHANICAL PERFORMANCE

- Durability: 500 mating cycles
- Mating force: 59 N max.
- Unmating force: 12 N min.

### SPECIFICATIONS

- FCI product specification: GS-12-282
- SFF-8639 specification

### APPROVALS AND CERTIFICATIONS

- FCI product specification: GS-12-282
- SFF-8639 specification

### PACKAGING

- Tray
- Tape and reel

## SAS PCIe RECEPTACLES

Performance	Termination Type	Retainers			Other Features	Base Number
		SMT	Forklock	Locators		
12Gb/s	SMT	√		√	Vertical	10120513

\* Dimension measured from the PCB surface to the centreline of the mold guide posts on the receptacle connector

## SAS PCIe PLUG

Performance	Termination Type	Retainers			Other Features	Base Number
		SMT	Forklock	Locators		
12Gb/s	SMT	√		√	Vertical	10123699

BWBSASPCIE0214EA4

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