# 3M<sup>™</sup> Serial Attached SCSI (SAS) Connector

Straddle Mount Plug SBH Series



- 3.0 Gbps input/output connector for HDD
- Two contact mating levels for early-mate and late-break allows "blind mating" or "hot swap" applications
- Meets SFF-8482 Specification
- Meets SAS Specification, SAS-1.1
- RoHS\* compliant

Date Modified: June 21, 2006

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## **Physical**

#### **Insulation**

Material: High Temperature Thermoplastic

Flammability: UL 94V-0 Color: Black

Contact

Material: Copper Alloy

**Plating** 

Underplating:  $50 - 80 \ \mu$ " [1.27 - 2.03  $\mu$ m] Nickel Wiping Area:  $30 - 40 \ \mu$ " [0.76 - 1.02  $\mu$ m] Gold Solder Tails:  $100 - 200 \ \mu$ " [2.54 - 5.08  $\mu$ m] Tin

Marking 3M Logo

### **Electrical**

**Current Rating:** Power Pin: 1.5 A

Signal Pin: 500 mA

**Insulation Resistance:**  $10^3 \text{ M}\Omega \text{ min.}$ 

Withstanding Voltage: 500 VAC at sea level

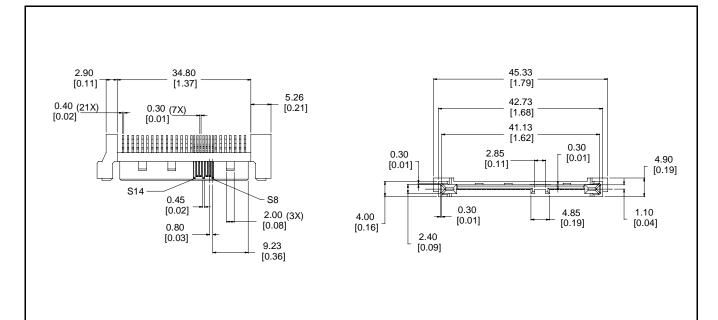
### **Environmental**

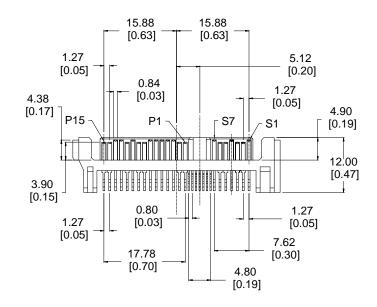
**Operating Temperature:** 0°C to +55°C **Non-Operating Temperature:** -40°C to +85°C

\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electrical and Electronic Equipment "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

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CONNECTOR PIN ASSIGNMENT				
S1 - GROUND	S8 - GROUND	P1 - 3.3 V	P8 - 5 V	
S2 - A +	S9 - A +	P2 - 3.3 V	P9 - 5 V	
S3 - A -	S10 - A -	P3 - 3.3 V	P10 - GROUND	
S4 - GROUND	S11 - GROUND	P4 - GROUND	P11 - GROUND	
S5 - B -	S12 - B -	P5 - GROUND	P12 - GROUND	
S6 - B +	S13 - B +	P6 - GROUND	P13 - 12 V	
S7 - GROUND	S14 - GROUND	P7 - 5 V	P14 - 12 V	
_			P15 - 12 V	

mm [Inch]

Tolerance Unless Noted				
	.0	.00	.000	
mm	± .3	± .25	± .127	

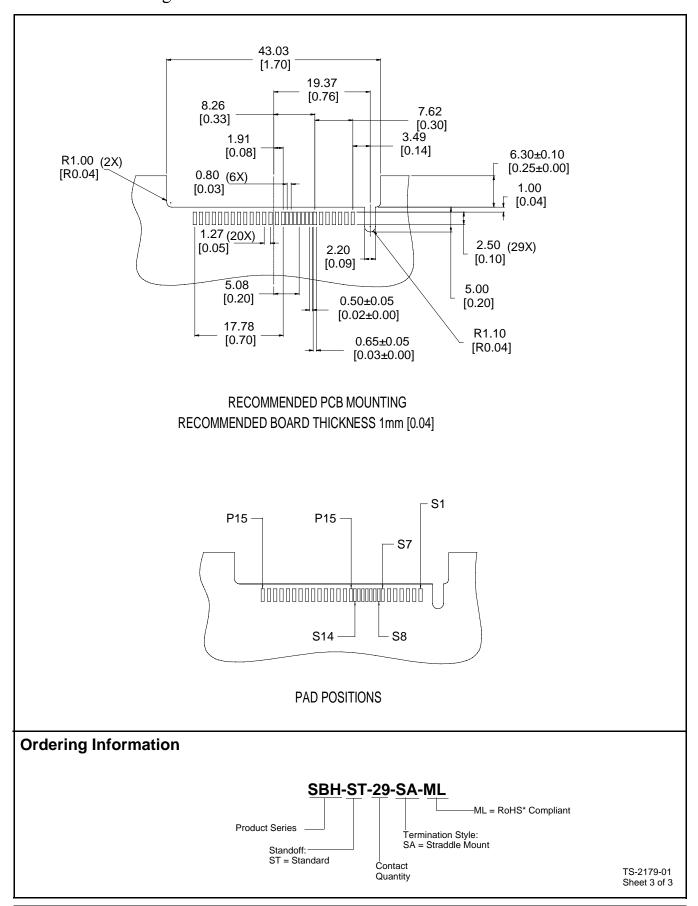
<sup>[ ]</sup> Dimensions for Reference only

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800-225-5373

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**SBH Series** 



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6801 River Place Blvd. Austin, TX 78726-9000 800/225-5373 www.3M.com/electronics

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многоканальный

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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### Офис по работе с юридическими лицами:

105318, г. Москва, ул. Щербаковская д. 3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru moschip.ru\_6 moschip.ru 4 moschip.ru 9