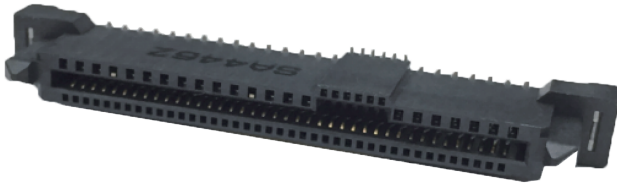


## U.3 Connector



### OVERVIEW

U.3 connector meets SAS 4.0(24Gb/s) and PCIe 4.0(16GT/s) speeds is used in servers. The 68-position, SAS/PCIe receptacle implementation of high speed Serial Attached SCSI (SAS) hard disk drive (HDD) interface as well as Peripheral Component Express (PCIe)-based devices. The molded guide post allows device plug and receptacle to selfalign during mating process.

### FEATURES & BENEFITS

- ◆ Designed to support hot-plugging and blind mating
- ◆ PCIe/SAS compatible receptacle and applicable to SAS, PCIe and SATA devices meet different needs of applications
- ◆ Supports data rates up to SAS/PCIe 4.0
- ◆ Footprint backward compatible to 12G, 6G and 3G SAS connectors, Same interface can be used for cost-effective storage
- ◆ HDDs as well as higher performance server SSDs

### PRODUCT APPLICATIONS

Servers/Storage Devices  
Workstation  
JBOD

### INDUSTRY STANDARDS

SFF-8639

# U.3 Connector

## TECHNICAL INFORMATION

### MATERIAL

Contact Base Metal: Copper Alloy  
Contact Area Finish: Gold over Nickel  
Solder Area Finish: Metta Tin over Nickel  
Board lock: Stainless steel  
Housing: High temperature thermoplastic(UL 94V-0)

### ELECTRICAL PERFORMANCE

Voltage : 30V AC(RMS MAX)  
Current : 1.5A MAX Per Power Pin  
0.5A MAX Per Signal Pin

### ENVIRONMENTAL

Operating temperature : 0°C TO +55°C  
Storage temperature : -40°C TO +85°C

### Partial PN Table

Product Numbers	Product Description
PSS08A-6833-T0N-1H	Vertical SMT with solder tab

### MECHANICAL PERFORMANCE

Rated Durability Cycles 200  
Mating Force: 0.87N/pin MAX  
Unmating Force: 0.12N/pin MIN

### PACKAGING

Tape & Reel

### SPECIFICATION

ES-11-00-0030