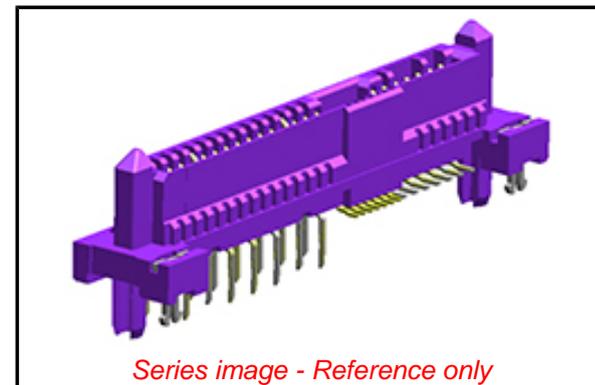


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Part Number: [0787160015](#)
Status: **Active**
Overview: Serial Attached SCSI (SAS) Connectors and Cable Assemblies
Description: 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-3 Receptacle, Vertical, Hybrid, with Forklock, 2.34mm PCB Thickness, 29 Circuits, with Cap, Embossed Tape on Reel, Lead-Free

Documents:

[3D Model](#) [Application Specification AS-78716-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-78716-001 \(PDF\)](#)



Agency Certification

CSA LR19980
 UL E29179

General

Product Family I/O Connectors
 Series [78716](#)
 Application Board-to-Board
 Component Type Receptacle
 Electrical Model Yes
 Overview [Serial Attached SCSI \(SAS\) Connectors and Cable Assemblies](#)
 Product Name SAS 3.0
 Type N/A
 UPC 887191201979

Physical

Circuits (Loaded) 29
 Circuits Detail Signal 14, Power 15
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Gender Female
 Keying to Mating Part Yes
 Lock to Mating Part None
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 1.846/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.11mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 2.34mm
 Packaging Type Embossed Tape on Reel
 Panel Mount No
 Pitch - Mating Interface 0.80mm, 1.27mm
 Pitch - Termination Interface 0.80mm, 1.27mm
 Plating min - Mating 0.762µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) Yes

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/79/2015 (17
 December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[78716 Series](#)

Mates With

SAS / SATA plug

| | |
|-------------------------------|--------------------------------|
| Temperature Range - Operating | 0°C to +55°C |
| Termination Interface: Style | Surface Mount and Through Hole |
| Waterproof / Dustproof | No |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum | 30V |

Solder Process Data

| | |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 010 |
| Lead-free Process Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|--------------|
| Application Specification | AS-78716-001 |
| Electrical Model Document | EE-78716-001 |
| Product Specification | PS-78716-001 |
| S-Parameter Model | SP-78716-001 |
| Sales Drawing | SD-78716-001 |

This document was generated on 03/31/2016

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