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Part Number: **0781641051**
Status: **Active**
Overview: Serial Attached SCSI (SAS) Connectors
Description: 1.27mm Pitch SAS 6G Combo Device Plug, Vertical, Surface Mount, Standard Height 7.88mm, with Solder Tab and Pick-and-Place Cap, 29 Circuits, Lead-Free

Documents:

[3D Model](#) [Packaging Specification PK-78164-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-78012-002-001 \(PDF\)](#)

Agency Certification

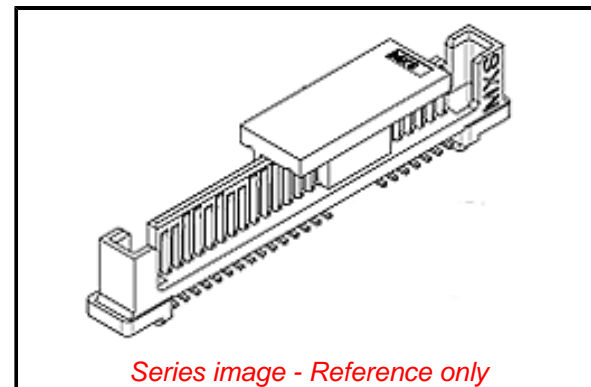
CSA LR19980
 UL E29179

General

Product Family I/O Connectors
 Series 78164
 Application Board-to-Board
 Comments With Cap
 Component Type Plug
 Electrical Model Yes
 Overview [Serial Attached SCSI \(SAS\) Connectors](#)
 Product Name SAS 6G
 Type N/A
 UPC 800756651835

Physical

Boot Color N/A
 Circuits (Loaded) 29
 Circuits (maximum) 29
 Circuits Detail Signal 14, Power 15
 Color - Resin Black
 Durability (mating cycles max) 500
 Flammability 94V-0
 Gender Plug
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 1.569/g
 Number of Rows 2
 Orientation Vertical
 PCB Locator Yes
 PCB Retention Yes
 Packaging Type Embossed Tape on Reel
 Panel Mount Yes
 Pitch - Mating Interface 0.80mm, 1.27mm
 Pitch - Termination Interface 0.80mm, 1.27mm
 Plating min - Mating 0.762µm
 Plating min - Termination 1.905µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -40°C to +85°C
 Termination Interface: Style Surface Mount



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Not Low-Halogen

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 environmental compliance?**

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

78164 Series

Mates With

78011 SAS/SATA Receptacle; and 87824,
 87839, 87863, 87970, 87945, 87975 SAS
 Receptacles

Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1.5A
Shielded	No
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**

Electrical Model Document	EE-78164-001, EE-87839-001
Packaging Specification	PK-78164-001
Product Specification	PS-78012-002-001
S-Parameter Model	SP-78164-001
Sales Drawing	SD-78164-100

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