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Part Number:

0876781001

Status:

Active

Overview:

Serial ATA Connectors

Description:

1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87678-029-001 (PDF)

Packaging Specification PK-87678-100-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Receptacles

Series

87678

Application

Board-to-Board, Signal

Overview

Serial ATA Connectors

Product Name

Serial ATA

UPC

822348693399

Physical

(p)ower-(s)ignal Configuration

15p - 7s

Circuits (Loaded)

22

Circuits (maximum)

22

Durability (mating cycles max)

500

Flammability

94V-0

Glow-Wire Capable

No

Guide to Mating Part

Yes

Lock to Mating Part

Yes

Material - Metal

Copper

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Net Weight

1.897/g

Number of Rows

1

Orientation

Vertical

PC Tail Length

3.45mm

PCB Locator

Yes

PCB Retention

None

PCB Thickness - Recommended

0.80mm, 2.50mm

Packaging Type

Tray

Pitch - Mating Interface

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

Temperature Range - Operating

-40° to +105°C

Termination Interface: Style

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1.5A

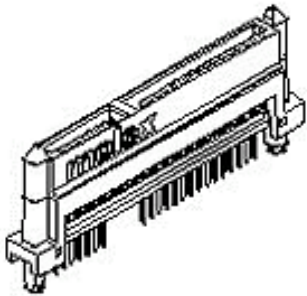
Voltage - Maximum

30V

Solder Process Data

Duration at Max. Process Temperature (seconds)

010



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

87678 Series

Mates With

87679 , 87799 , 87703

Lead-free	Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature		001
Process Temperature max. C		260
Material Info		
Reference - Drawing Numbers		
Electrical Model Document		EE-87678-001-001
Packaging Specification		PK-87678-100-001
Product Specification		PS-87678-029-001
Sales Drawing		SD-87678-023-001

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