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Part Number:

0877791001

Status:

Active

Overview:

Serial ATA Connectors and Cable Assemblies

Description:

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

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87779-011-001 (PDF)

Packaging Specification PK-87779-100 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Receptacles

Series

87779

Application

Board-to-Board, Signal

Electrical Model

Yes

Overview

Serial ATA Connectors and Cable Assemblies

Product Literature Order No

SNG-029

Product Name

Serial ATA

UPC

822348731916

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

Lock to Mating Part

Yes

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Net Weight

1.354/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°C to +105°C

Termination Interface: Style

Surface Mount

Electrical

Current - Maximum per Contact

1.5A

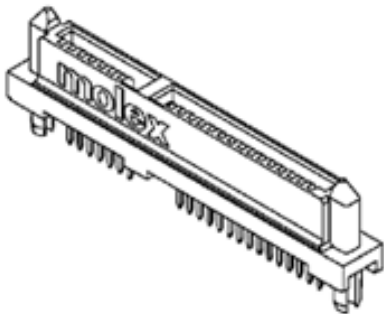
Voltage - Maximum

30V

Solder Process Data

Duration at Max. Process Temperature (seconds)

010



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

87779 Series

Mates With

87703 Serial ATA Combo Plug, 87799 Serial
ATA Combo Plug

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-87779-001, EE-87779-002
Packaging Specification	PK-87779-100
Product Specification	PS-87779-011-001
S-Parameter Model	SP-87779-002
Sales Drawing	SD-87779-020

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