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Part Number: [0877791001](#)
Status: **Active**
Overview: [Micro Serial ATA Connectors](#)
Description: 1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, SIL, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-87779-100 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-87779-011 (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 | Micro Serial ATA Connectors |
| Product Literature Order No | SNG-029 |
| Product Name | Serial ATA |
| UPC | 822348731916 |

Physical

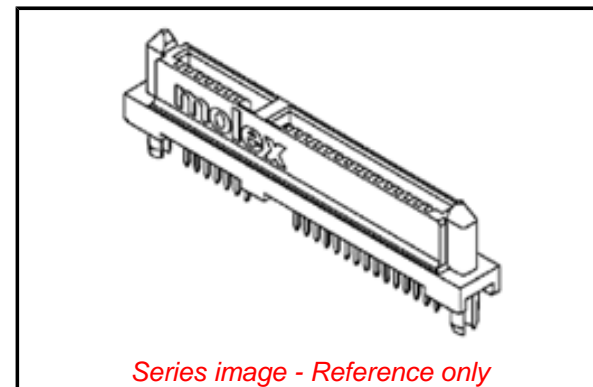
| | |
|--------------------------------|-----------------|
| (p)ower-(s)ignal Configuration | 15p - 7s |
| Circuits (Loaded) | 22 |
| Circuits (maximum) | 22 |
| Durability (mating cycles max) | 500 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Lock to Mating Part | Yes |
| Material - Plating 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/21/2016 (20 June 2016)

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

[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 |
| S-Parameter Model | SP-87779-002 |
| Sales Drawing | SD-87779-020 |

This document was generated on 10/03/2016

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