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Part Number: [0877811001](#)
Status: **Active**
Overview: Serial ATA Connectors
Description: 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

3D Model	Product Specification PS-87781-005-001 (PDF)
Drawing (PDF)	Packaging Specification PK-87781-100-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	87781
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Overview	Serial ATA Connectors
Product Name	Serial ATA
Taxonomy	PCB Headers and Receptacles
UPC	822348861309

Physical

(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Glow-Wire Capable	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.086/g
Number of Rows	1
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
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)	N/A
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole and Surface Mount

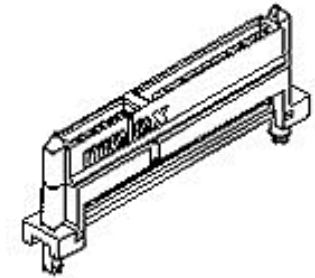
Electrical

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

Solder Process Data

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

Material Info



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87781](#) Series

Mates With

[87679](#) , [87799](#) , [87703](#)

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-87781-100-001

PS-87781-005-001

SD-87781-017-001

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