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Part Number: **0877801001**
Status: **Active**
Overview: Serial ATA Connectors and Cable Assemblies
Description: 1.27mm Pitch Serial ATA Host Receptacle, Press-fit, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-87780-024-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [Packaging Specification PK-87780-100 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [87780](#)
 Application Board-to-Board, Signal
 Overview [Serial ATA Connectors and Cable Assemblies](#)
 Product Name Serial ATA
 UPC 822348861293

Physical

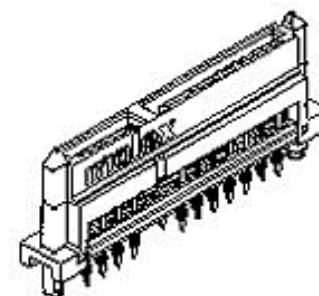
(p)ower-(s)ignal Configuration 15p - 7s
 Circuits (Loaded) 22
 Circuits (maximum) 22
 Durability (mating cycles max) 500
 Flammability 94V-0
 Glow-Wire Capable No
 Guide to Mating Part Yes
 Lock to Mating Part Yes
 Material - Metal Copper
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Net Weight 2.518/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 3.45mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.52mm, 2.03mm
 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

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 -
 D(2020)4578-DC (25
 June 2020)

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

[87780 Series](#)

Mates With

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

Lead-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Electrical Model Document

EE-87703-001, EE-87703-002

Packaging Specification

PK-87780-100

Product Specification

PS-87780-024-001

S-Parameter Model

SP-87703-001

Sales Drawing

SD-87780-031

This document was generated on 01/21/2021

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