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Part Number: **0877582018**
Status: **Active**
Overview: Milli-Grid Connector System
Description: 2.00mm Pitch Milli-Grid Header, Through Hole, Vertical, 20 Circuits, 2.54µm Tin (Sn) Plating, Pocket Tray Packaging, Lead-Free

Documents:

[Drawing \(PDF\)](#) [Test Summary 877610000-TS-000 \(PDF\)](#)
[Product Specification PS-87761-100-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification 503940001-AS-000 \(PDF\)](#)

Agency Certification

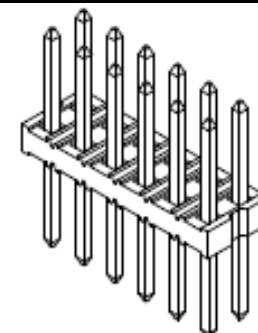
UL E29179

General

Product Family PCB Headers
 Series [87758](#)
 Application Board-to-Board, Signal
 Overview [Milli-Grid Connector System](#)
 Product Name Milli-Grid
 UPC 800756791128

Physical

Breakaway Yes
 Circuits (Loaded) 20
 Circuits (maximum) 20
 Color - Resin Black
 Durability (mating cycles max) 100
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Capable No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part None
 Mated Height 4.00mm
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Plating Termination Nickel
 Material - Resin Nylon
 Net Weight 0.616/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.60mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Tray
 Pitch - Mating Interface 2.00mm
 Pitch - Termination Interface 2.00mm
 Plating min - Mating 2.540µm
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -55° to +105°C
 Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Not 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

[87758](#) Series

Mates With

Milli-Grid Vertical Through Hole Receptacle [79107](#) , [78787](#) , Milli-Grid Flex-to-Board Vertical Receptacle [79108](#) , Milli-Grid Vertical Surface Mount Receptacle [79109](#) , [78788](#) , Milli-Grid Top Entry Surface Mount Receptacle [87381](#) , Milli-Grid Crimp Housing [51110](#)

Electrical

Current - Maximum per Contact	2.0A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Application Specification	503940001-AS-000
Product Specification	PS-87761-100-001
Sales Drawing	SD-87758-107-001
Test Summary	877610000-TS-000

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