

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0877601816](#)
Status: **Active**
Overview: [Milli-Grid™ Connector System](#)
Description: 2.00mm Pitch Milli-Grid™ Header, Right Angle, Through Hole, 18 Circuits, 0.38μm Gold (Au) Selective Plating, Tray, Lead-Free

Documents:

[3D Model](#) [Packaging Specification PK-89990-487 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87761-100 \(PDF\)](#)

Agency Certification

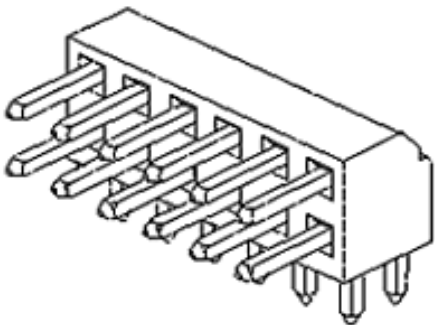
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [87760](#)
Application Board-to-Board, Signal, Wire-to-Board
Comments Lead-Free version of 87049 series
Overview [Milli-Grid™ Connector System](#)
Product Name Milli-Grid™
UPC 822348271764

Physical

Breakaway No
Circuits (Loaded) 18
Circuits (maximum) 18
Color - Resin Black
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant 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 Gold
Material - Plating Termination Nickel
Material - Resin High Temperature Thermoplastic
Net Weight 0.720/g
Number of Rows 2
Orientation Right Angle
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 0.381μm
Plating min - Termination 2.540μm
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable Yes
Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Not 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 Relevant

Search Parts in this Series

[87760](#) 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](#)

Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2.0A
Voltage - Maximum	125V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	014
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	265
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-89990-487
Product Specification	PS-87761-100
Sales Drawing	SD-87760-109

This document was generated on 02/27/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION