

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0877591650](#)
Status: **Active**
Overview: [Milli-Grid™ Connector System](#)
Description: Milli-Grid™ Header, Surface Mount, Vertical, 16 Circuits, 0.38µm Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Lead-Free

Documents:

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

Agency Certification

UL E29179

General

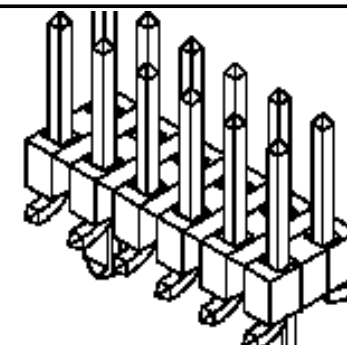
Product Family PCB Headers
 Series [87759](#)
 Application Board-to-Board, Signal
 Overview [Milli-Grid™ Connector System](#)
 Product Name Milli-Grid™
 UPC 822348283538

Physical

Breakaway Yes
 Circuits (Loaded) 16
 Circuits (maximum) 16
 Color - Resin Black
 Durability (mating cycles max) 100
 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 3.80mm
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 0.390g
 Number of Rows 2
 Orientation Vertical
 PCB Locator Yes
 PCB Retention None
 Packaging Type Tube
 Pitch - Mating Interface 2.00mm
 Pitch - Termination Interface 2.00mm
 Plating min - Mating 0.381µm
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No
 Stackable Yes
 Temperature Range - Operating -55°C to +125°C
 Termination Interface: Style Surface Mount

Electrical

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
 ED/21/2016 (20 June
 2016)

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

Search Parts in this Series

[87759](#) 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](#)

Solder Process Data

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

Material Info**Reference - Drawing Numbers**

Product Specification	PS-87761-100
Sales Drawing	SD-87759-113

This document was generated on 10/03/2016

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION