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Part Number: [0873401095](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount (Very Low Profile), Top Entry, with Locating Pegs, with Pick-and-Place Cap, 0.38µm (15µ") Gold (Au) Plating, 10 Circuits, Lead-free, Tube

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [87340](#)
Application Board-to-Board
Comments With Cap
Product Literature Order No 987650-1991
Product Name Milli-Grid™

Physical

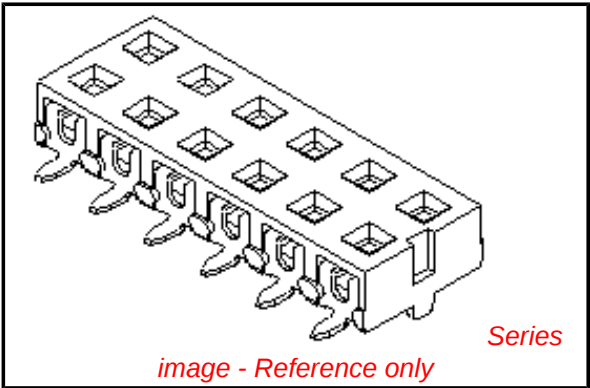
Circuits (Loaded) 10
Color - Resin Black
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (mm) 0.80 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Plating min: Mating (µin) 15
Plating min: Mating (µm) 0.38
Plating min: Termination (µin) 76
Plating min: Termination (µm) 1.9
Polarized to Mating Part No
Polarized to PCB No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 125V

Solder Process Data

Duration at Max. Process Temperature (seconds) 14



EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[87340Series](#)

Mates With

[87759](#) Vertical, Surface Mount, Stackable
PCB Headers, [87760](#) Right Angle, Through
Hole, Stackable PCB Headers, [87758](#)
Vertical, Through Hole, Stackable PCB
Headers

Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-87340-**92
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This document was generated on 05/03/2010

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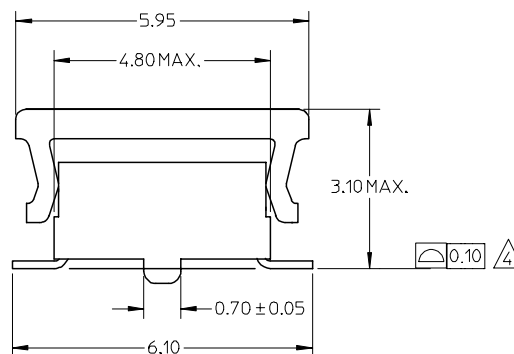
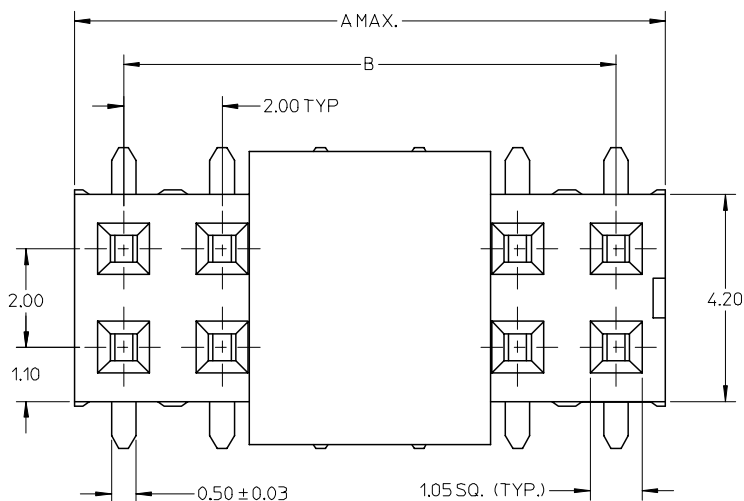
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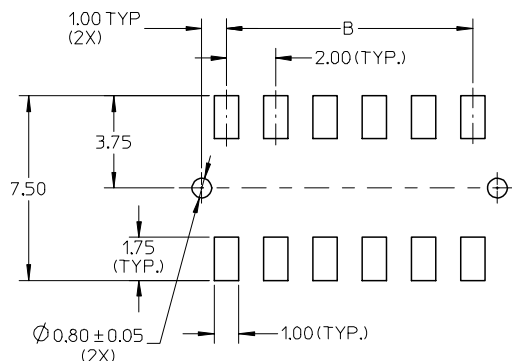
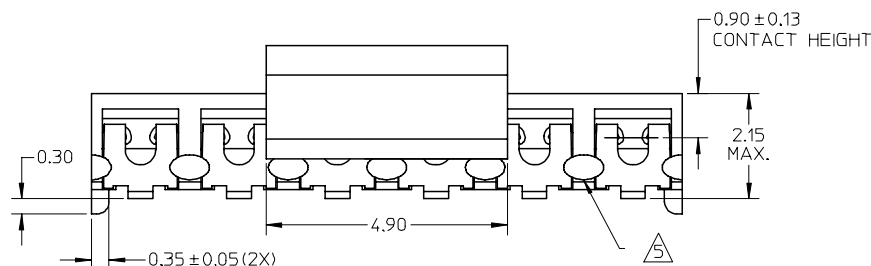
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PART NUMBER W/CAP IN TUBE	CKT. SIZE	DIM. A	DIM. B
87340-0495	4	4.00	2.00
87340-0695	6	6.00	4.00
87340-0895	8	8.00	6.00
87340-1095	10	10.00	8.00
87340-1295	12	12.00	10.00
87340-1495	14	14.00	12.00
87340-1695	16	16.00	14.00
87340-1895	18	18.00	16.00
87340-2095	20	20.00	18.00



NOTES:

- FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART WITH 12 CIRCUIT SIZE.
- MATERIAL:
HOUSING: LCP GLASS FILLED, UL 94V-0
SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS.
COLOR BLACK
TERMINAL: PHOSPHOR BRONZE ALLOY.
- PLATING- 0.38μM MINIMUM GOLD PLATE AT CONTACT AREA.
AND 1.90μM MINIMUM TIN PLATE AT P.C TAIL
AREA, BOTH OVER 1.27μM MINIMUM NICKEL OVERALL.
- COPLANARITY OF P.C TAIL TO BE MEASURED BY RESTING THE PART ON A FLAT GAGE SURFACE.
- THIS AREA OF PART TO BE HEAT-STAKED TO RETAIN CONTACTS.
- POSITION OF CAP TO BE LOCATED AT CENTER OF DIMENSION 'A' REGARDLESS OF CIRCUIT SIZE.
- PRODUCT SPECIFICATION PS-87340 APPLIES.
- PART TO BE PACKAGED IN TAPE-&-REEL. SEE SHEET 2 FOR PACKAGING DETAILS.
- CONTACT FACTORY FOR PARTS AVAILABILITY.



RECOMMENDED SOLDER PAD DESIGN

ADD P/N	EC NO:	DRWN:SKANG	CHKD:MJLNG	APPR:SKTOH
D1	S2006-1037	2006/04/11	2006/04/12	2006/04/12

QUALITY
SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM ONLY

DRAWN BY	DATE
JWAN	1995/01/25
CHECKED BY	DATE
SKTOH	1995/01/25
APPROVED BY	DATE
RWONG	1995/01/25

MATERIAL NO.

SIZE

A3

SCALE
NTSDESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONMGRID, VLPR II
TOP ENTRY RECEPT., SMT
W/CAP FOR PICK-&-PLACE

MOLEX INCORPORATED

DOCUMENT NO. SD-87340-**92

SHEET NO.

1 OF 2

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