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Part Number:

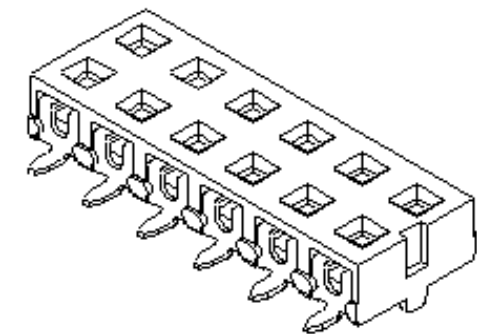
0873401096

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, Embossed Tape on Reel



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

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
Durability (mating cycles max)	25
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (mm)	0.80 mm
Packaging Type	Embossed Tape on Reel
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)	75
Plating min: Termination (µm)	1.90
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
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

EU RoHS

ELV and RoHS
Compliant

REACH SVHC

Contains SVHC: No
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

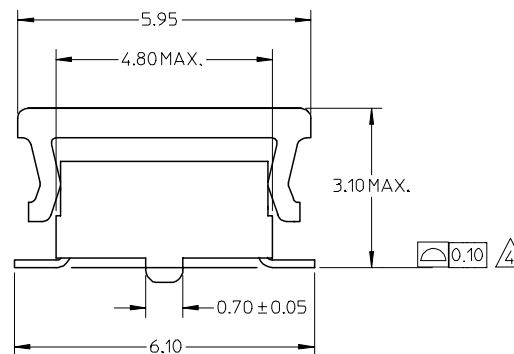
87340Series

Mates With

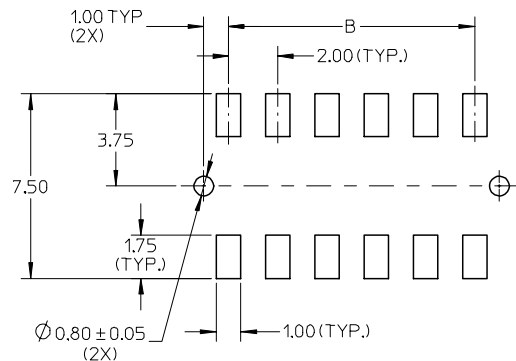
87759 Vertical, Surface Mount, Stackable
PCB Headers, 87760 Right Angle, Through
Hole, Stackable PCB Headers, 87758
Vertical, Through Hole, Stackable PCB
Headers

This document was generated on 03/18/2010

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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:

1. FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART WITH 12 CIRCUIT SIZE.
2. MATERIAL:
HOUSING:
LCP GLASS FILLED, UL 94V-0
SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS.
COLOR BLACK
TERMINAL: PHOSPHOR BRONZE ALLOY.
3. 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.
4. COPLANARITY OF P.C TAIL TO BE MEASURED BY RESTING THE
PART ON A FLAT GAGE SURFACE.
5. THIS AREA OF PART TO BE HEAT-STAKED TO RETAIN CONTACTS.
6. POSITION OF CAP TO BE LOCATED AT CENTER OF DIMENSION "A"
REGARDLESS OF CIRCUIT SIZE.
7. PRODUCT SPECIFICATION PS-87340 APPLIES.
8. PART TO BE PACKAGED IN TAPE-&-REEL. SEE SHEET 2
FOR PACKAGING DETAILS.
9. CONTACT FACTORY FOR PARTS AVAILABILITY.

ADD P/N EC NO: S2006-1037 DWN:SKANG CHKD:MLONG APPR:SKTOH D1	2006/04/11 2006/04/12 2006/04/12	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JWAN	DATE 1995/01/25	TITLE MGRID, VLPR II TOP ENTRY RECEPT., SMT W/CAP FOR PICK-&-PLACE			
				4 PLACES ± ---	± ---	CHECKED BY SKTOH	DATE 1995/01/25					
				3 PLACES ± ---	± ---	APPROVED BY RWONG	DATE 1995/01/25	MOLEX MOLEX INCORPORATED				
				2 PLACES ± 0.20	± ---	MATERIAL NO.						DOCUMENT NO.
				1 PLACE ± ---	± ---	SEE TABLE		SD-87340--**92		1 OF 2		
				ANGULAR ± 3 °								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

