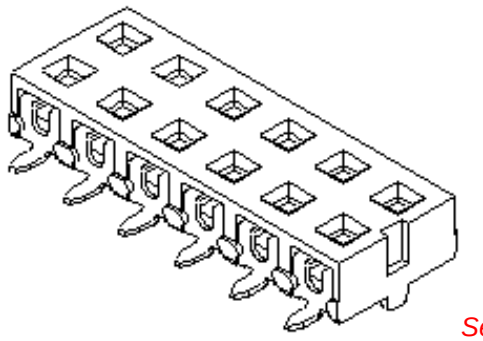
This document was generated on 05/03/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0873402095

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, 20 Circuits, Lead-free, Tube



Series image - Reference only

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	<LI>With Cap
Product Literature Order No	987650-1991
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	20
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 (in)	0.031 In
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

Material Info

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

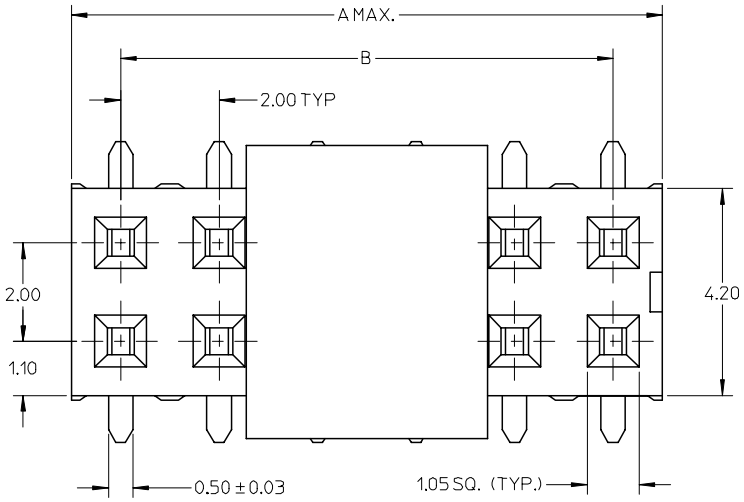
Reference - Drawing Numbers

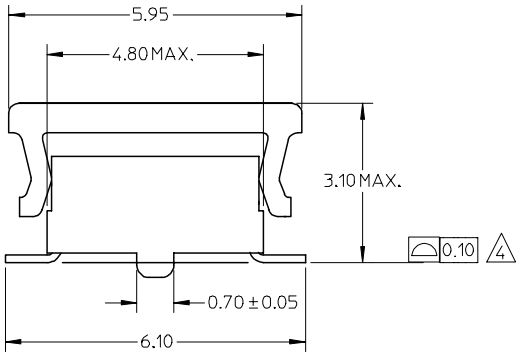
Sales Drawing	SD-87340-**92

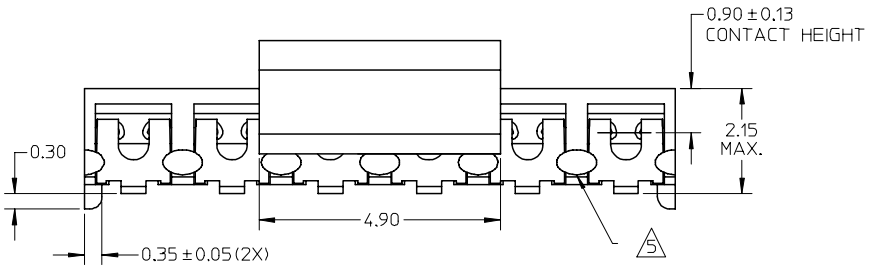
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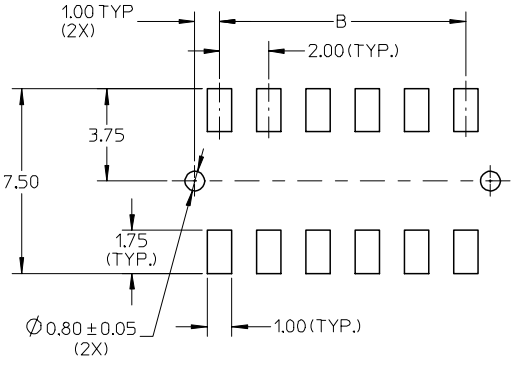
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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









RECOMMENDED SOLDER PAD DESIGN

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- 0.38uM MINIMUM GOLD PLATE AT CONTACT AREA, AND 1.90uM MINIMUM TIN PLATE AT P.C TAIL AREA, BOTH OVER 1.27uM 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 2006/04/11
DRWN:SKANG 2006/04/12
CHKD:MLONG 2006/04/12
APPR:SKTOH
DESCRIPTION
REV
D1

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 DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

TITLE: MGRID, VLPR II TOP ENTRY RECEPT., SMT W/CAP FOR PICK-&-PLACE

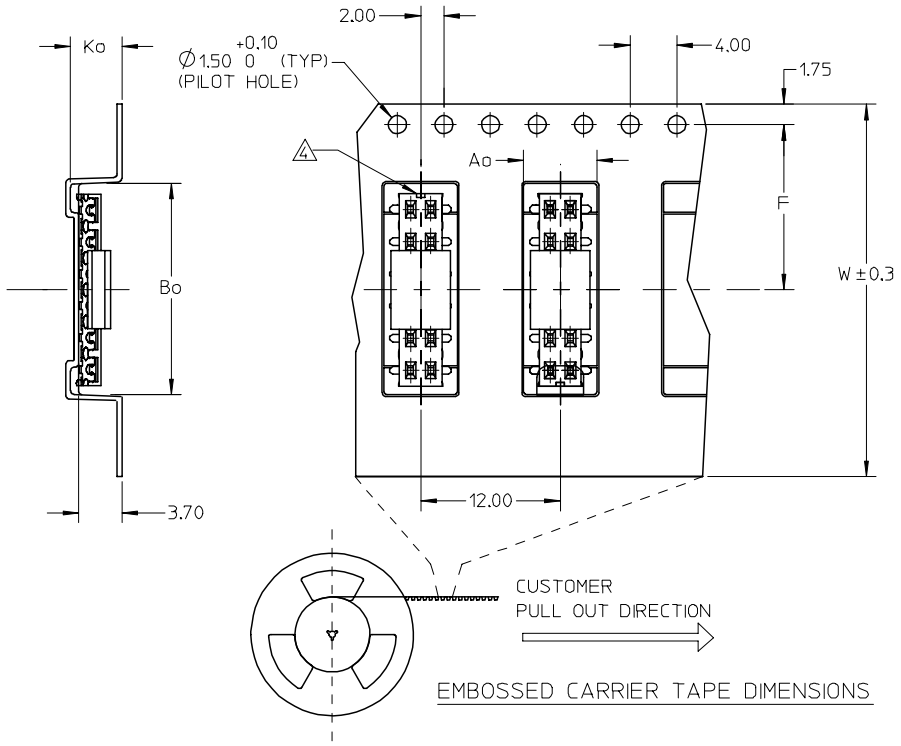
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87340-**92
SHEET NO.: 1 OF 2

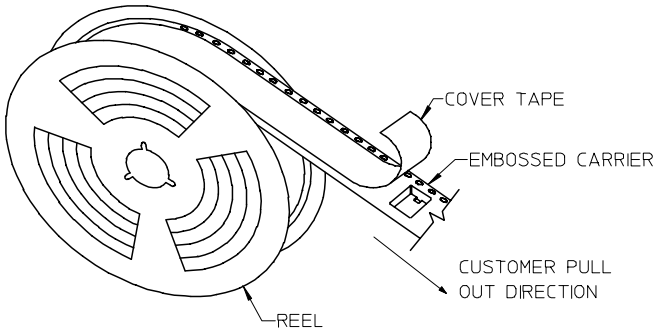
SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

PART NO. W/CAP IN TAPE/REEL	CKT. SIZE	Ao	Bo	F	W	Ko
87340-0496	4	6.70	5.30	11.50	24.00	5.30
87340-0696	6	6.50	6.50	7.50	16.00	4.50
87340-0896	8	6.70	8.40	11.50	24.00	5.30
87340-1096	10	6.70	10.40	11.50	24.00	5.30
87340-1296	12	6.60	12.40	11.50	24.00	4.40
87340-1496	14	6.60	14.30	11.50	24.00	4.40
87340-1696	16	6.60	16.30	11.50	24.00	4.40
87340-2096	20	6.70	20.50	20.20	44.00	5.30



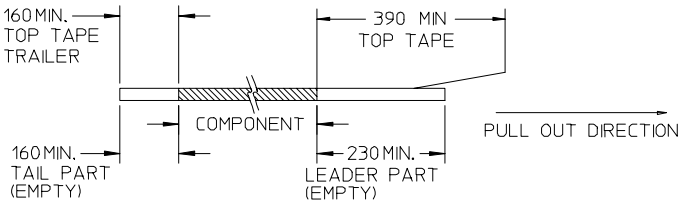
EMBOSSED CARRIER TAPE DIMENSIONS



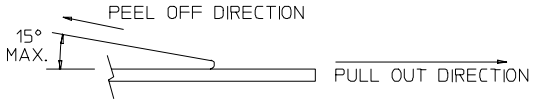
TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY.

NOTES:

1. LEADER AND TRAILER TAPE



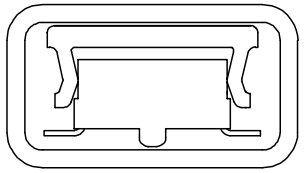
2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. PACKAGING STANDARD IS AS PER EIA-481.

4. TAPE & REEL QUANTITY = 1000 PCS/REEL

5. NO FIX ORIENTATION OF ASSEMBLY PART IN T&R.



PART IN TUBE VIEW

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

QUALITY SYMBOLS
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▽=0

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2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

TITLE: MGRID, VLPR II TOP ENTRY RECEPT., SMT W/CAP FOR PICK-&-PLACE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87340-**92
SHEET NO.: 2 OF 2
SIZE: A3

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