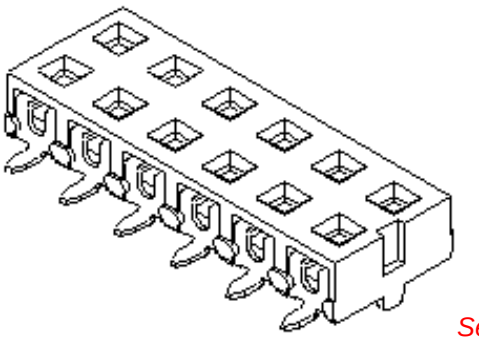
This document was generated on 03/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0873401298

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, 0.76µm (30µ") Gold (Au) Plating, 12 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	<LI>With Cap
Product Literature Order No	987650-1991
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	12
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)	30
Plating min: Mating (µm)	0.76
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

Reference - Drawing Numbers

Sales Drawing	SD-87340-**94

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.

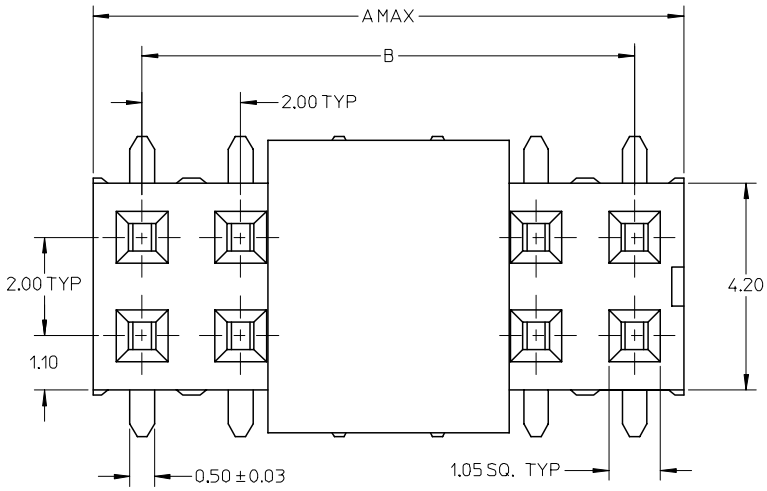
Search Parts in this Series
87340Series

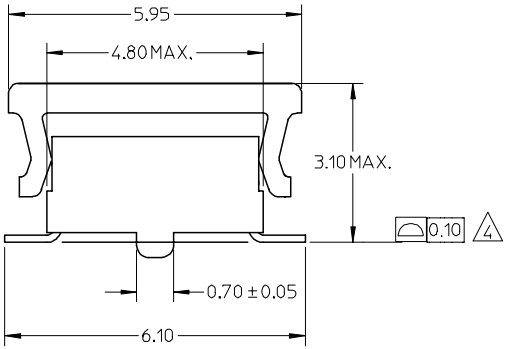
Mates With
87759 Vertical, Surface Mount, Stackable PCB Headers, 87760 Right Angle, Through Hole, Stackable PCB Headers, 87758 Vertical, Through Hole, Stackable PCB Headers

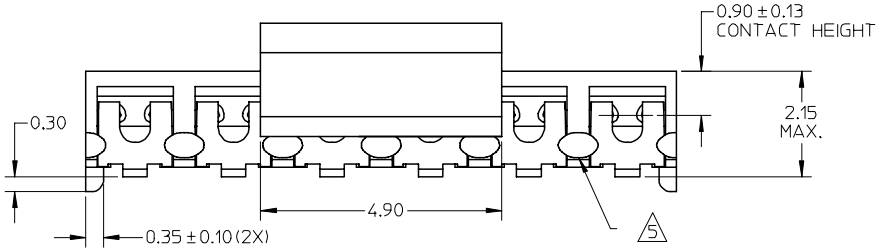
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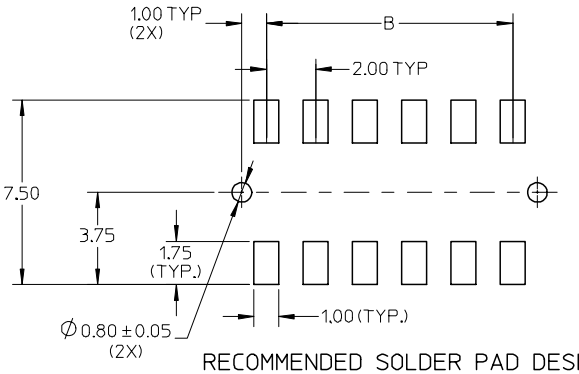
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PART NUMBER W/CAP IN TUBE	CKT. SIZE	DIM. A	DIM. B
87340-0497	4	4.00	2.00
87340-0697	6	6.00	4.00
87340-0897	8	8.00	6.00
87340-1097	10	10.00	8.00
87340-1297	12	12.00	10.00
87340-1497	14	14.00	12.00
87340-1697	16	16.00	14.00
87340-1897	18	18.00	16.00
87340-2097	20	20.00	18.00









RECOMMENDED SOLDER PAD DESIGN

NOTES:

1. FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART WITH 12 CIRCUIT SIZE.
2. MATERIAL:
   HOUSING & CAP:
   HIGH TEMPERATURE THERMOPLASTIC, UL RATED 94V-0
   SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS.
   COLOR BLACK
   TERMINAL: PHOSPHOR BRONZE ALLOY.
3. PLATING- 0.76uM 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.

OBS TIN/LEAD P/N
EC NO: S2006-0732 2006/04/03
DRWN:MLONG 2006/04/04
CHKD:NAGESHKN 2006/04/05
APPR:PTLIM
DESCRIPTION
REV D

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: DSOH DATE: 1997/06/19
CHECKED BY: KCLING DATE: 1997/06/25
APPROVED BY: SKTOH DATE: 1997/06/27

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

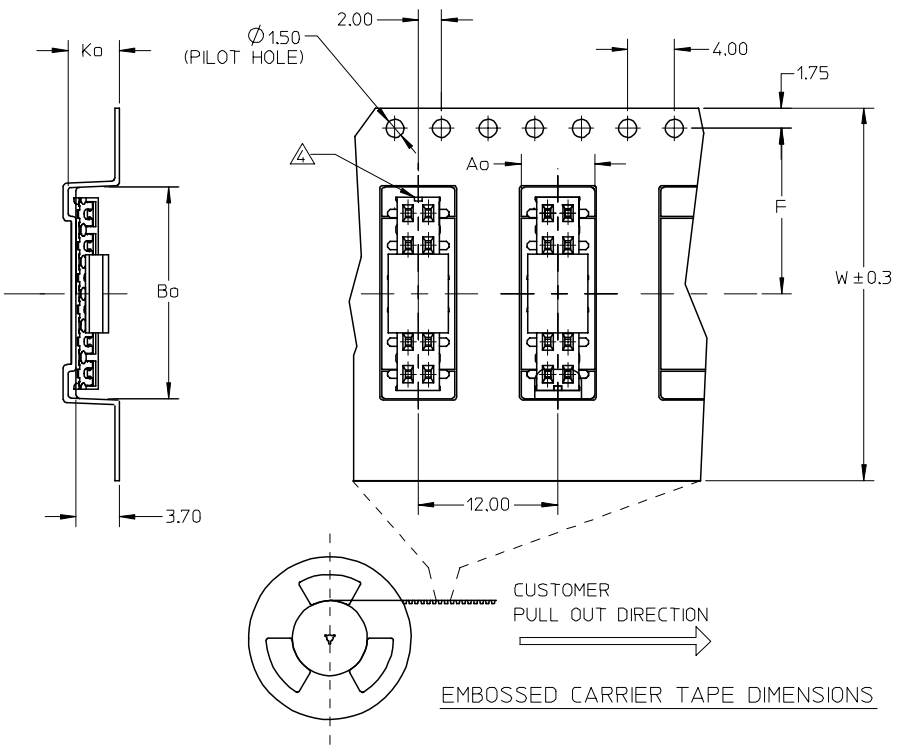
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87340-**94
SHEET NO.: 1 OF 2

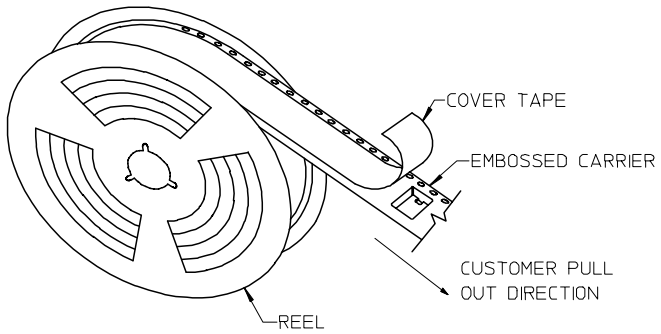
SIZE A3

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

PART NUMBER W/CAP IN TAPE/REEL	CKT. SIZE	Ao	Bo	F	W	Ko
87340-0498	4	6.70	5.30	11.50	24.00	5.30
87340-0698	6	6.50	6.50	7.50	16.00	4.50
87340-0898	8	6.70	8.40	11.50	24.00	5.30
87340-1298	12	6.60	12.40	11.50	24.00	4.40
87340-1498	14	6.60	14.30	11.50	24.00	4.40
87340-1698	16	6.60	16.30	11.50	24.00	4.40
87340-2098	20	6.70	20.50	20.20	44.00	5.30



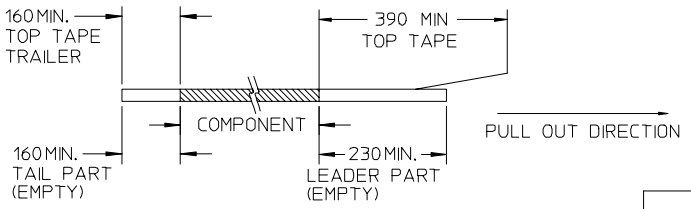
EMBOSSED CARRIER TAPE DIMENSIONS



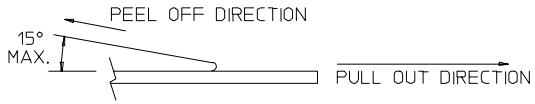
TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY.

NOTES:

1. LEADER AND TRAILER TAPE

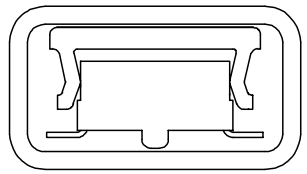


2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. PACKAGING STANDARD IS AS PER EIA-481.

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



PART IN TUBE VIEW

OBS TIN/LEAD P/N
EC NO: S2006-0732 2006/04/03
DRWN:MLONG 2006/04/04
CH'KD:NAGESHKN 2006/04/05
APPR:PTLIM
DESCRIPTION
REV D

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

		DATE
DRAWN BY	DSOH	1997/06/19
CHECKED BY	KCLING	1997/06/25
APPROVED BY	SKTOH	1997/06/27

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87340-**94
SHEET NO.: 2 OF 2
SIZE: A3

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