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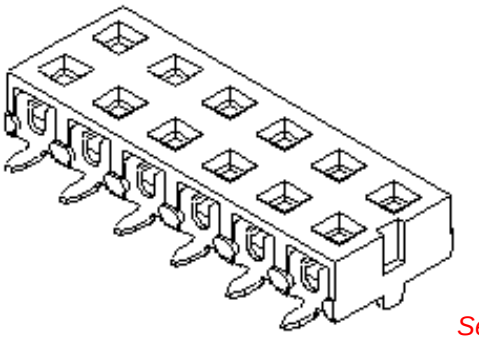
This document was generated on 04/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0873400676

Status: Active

Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount (Very Low Profile), Top Entry, without Locating Pegs, with Pick-and-Place Cap, 0.38µm (15µ") Gold (Au) Plating, 6 Circuits, Lead-free, Embossed Tape on Reel



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
Product Literature Order No	987650-1991
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	6
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
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
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
Robotic Placement	Pick and Place Cap
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

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

Material Info

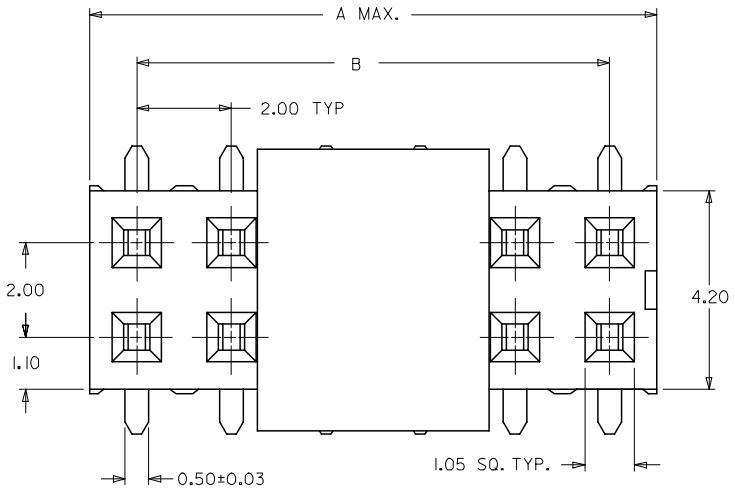
Reference - Drawing Numbers

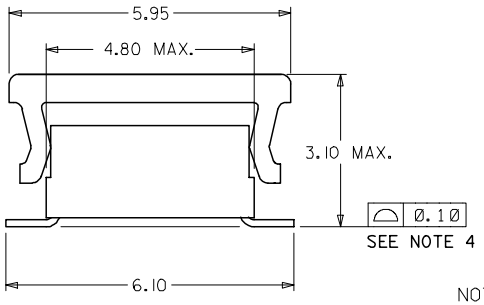
Sales Drawing	SD-87340-**74

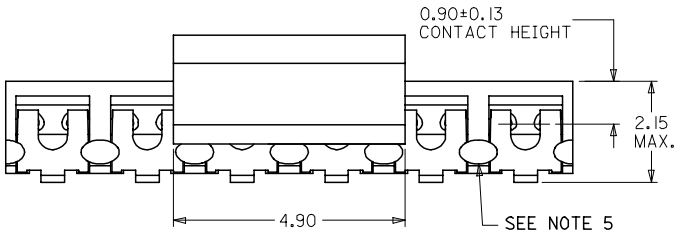
This document was generated on 04/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PART NUMBER (WITH CAP IN TUBE)	PART NUMBER (WITH CAP IN TAPE & REEL)	CKT. SIZE	DIM. A	DIM. B
87340-04*5	87340-04*6	04	4.00	2.00
87340-06*5	87340-06*6	06	6.00	4.00
87340-08*5	87340-08*6	08	8.00	6.00
87340-10*5	87340-10*6	10	10.00	8.00
87340-12*5	87340-12*6	12	12.00	10.00
87340-16*5	87340-16*6	16	16.00	14.00







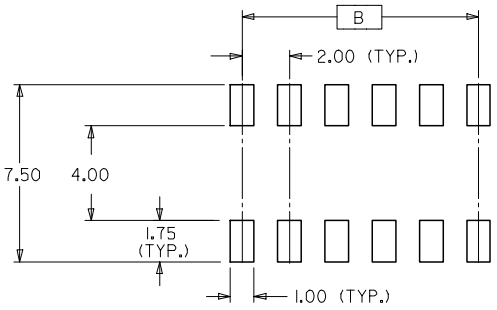
PART NO. LEGEND

87340 - * * * *

- CKTS SIZE
- PLATING OPTIONS (SEE NOTE 3)
- PACKAGING OPTIONS
  - 5 - PACKAGED IN TUBE.
  - 6 - PACKAGED IN TAPE & REEL.

NOTES :

1. FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART 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 FINISH:
   - **7*
   0.38um MIN GOLD AT TERMINAL CONTACT AREA.
   1.90um MIN TIN IN SOLDERTALTAIL AREA BOTH OVER
   1.27um MIN NICKEL OVERALL.
   - **8*
   0.76um MIN GOLD AT TERMINAL CONTACT AREA.
   1.90um MIN TIN IN SOLDERTALTAIL AREA BOTH OVER
   1.27um MIN 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 CENTRE OF DIMENSION 'A' REGARDLESS OF CIRCUIT SIZE.
7. PRODUCT SPECIFICATION PS-87340 APPLIES.
8. PART TO BE PACKED IN TUBE OR TAPE & REEL. SEE SHEET 2 FOR PACKAGING DETAILS.
9. CONTACT FACTORY FOR PARTS AVAILABILITY.



RECOMMENDED SOLDER PAD DESIGN (NTS)

PDR#S-001595-00-00
EC NO: S2007-1036 2007/06/13
DRWN:SKANG 2007/06/14
CHKD:ATSEE
APPR:MLONG
DESCRIPTION
D2
REV

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

		DATE
DRAWN BY	PTLIM	1996/04/03
CHECKED BY	SKTOH	1996/04/08
APPROVED BY	RWONG	1996/04/19

TITLE: MGRID, VLPR II TOP ENTRY RECEPTACLE W/O LOC PEGS, SMT

MOLEX INCORPORATED

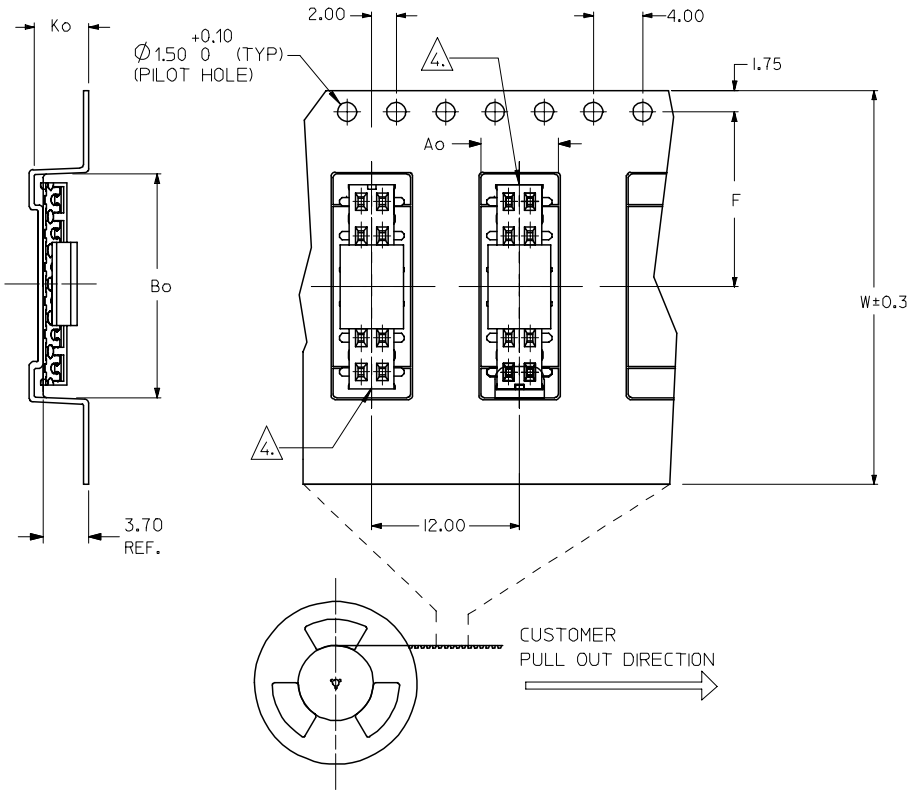
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87340-**74
SHEET NO.: 1 OF 2

SIZE A3

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

EMBOSSED CARRIER TAPE WITH DIMENSIONS

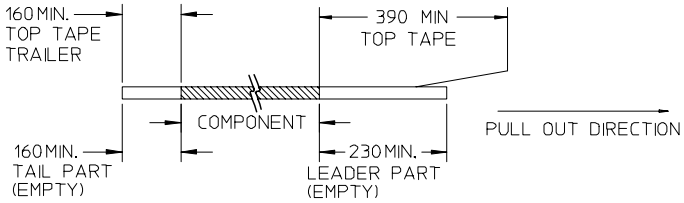
(12 CKT IS SHOWN FOR ILLUSTRATION ONLY)



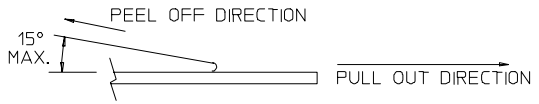
PART NO (WITH CAP IN TAPE & REEL)	CKT SIZE	Ao	Bo	F	W	Ko
87340-0476	04	6.70	5.30	11.50	24.00	5.30
87340-0676	06	6.70	6.40	11.50	24.00	5.30
87340-0686	06	6.70	6.40	11.50	24.00	5.30
87340-0876	08	6.70	8.50	11.50	24.00	5.30
87340-1076	10	6.70	10.40	11.50	24.00	5.30
87340-1276	12	6.70	12.40	11.50	24.00	5.30
87340-1686	16	6.70	16.30	11.50	24.00	5.30

NOTES:

1. LEADER AND TRAILER TAPE



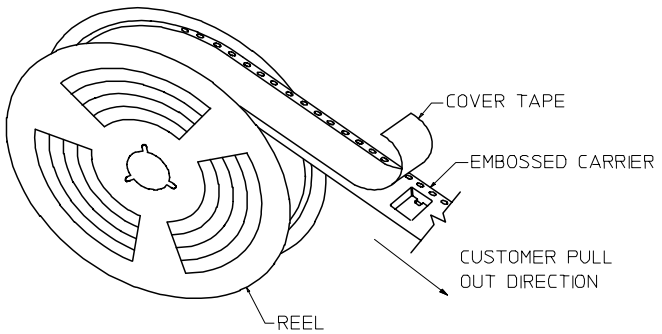
2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



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.



TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY

PDR#S-0011595-00-00
EC NO: S2007-1036
DRWN:SKANG 2007/06/13
CHKD:ATSEE 2007/06/14
APPR:MLONG 2007/06/14
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
▽C=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

		DATE
DRAWN BY	PTLIM	1996/04/03
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APPROVED BY	RWONG	1996/04/19

TITLE: MGRID, VLPR II TOP ENTRY RECEPTACLE W/O LOC PEGS, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87340-**74
SHEET NO.: 2 OF 2
SIZE: A3

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