

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0873400476](#)
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, 4 Circuits, Lead-free, Embossed Tape on Reel

Documents:

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

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

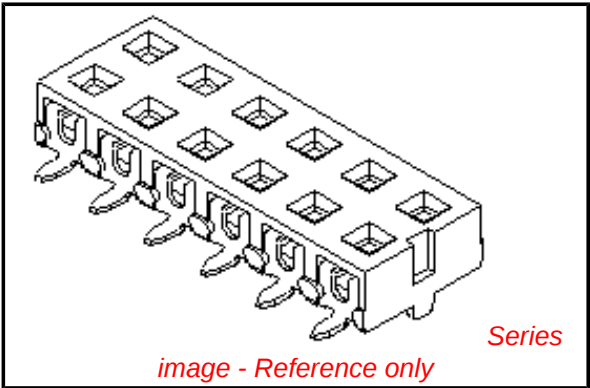
Circuits (Loaded) 4
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Number of Rows 2
Orientation Vertical
PCB Locator No
PCB Retention None
Packaging 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

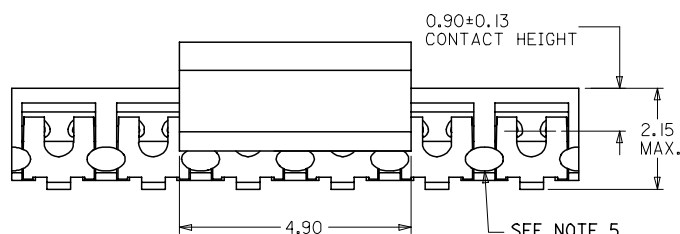
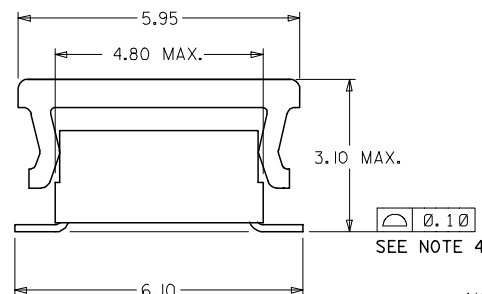
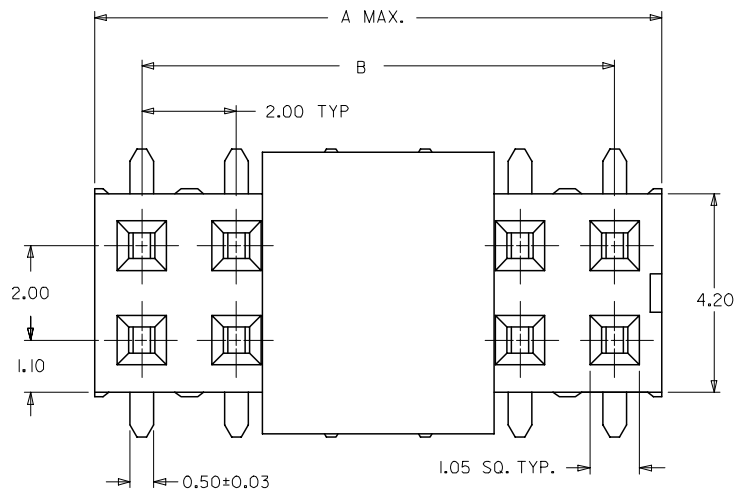
Sales Drawing

SD-87340-**74

This document was generated on 04/08/2010

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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 _____

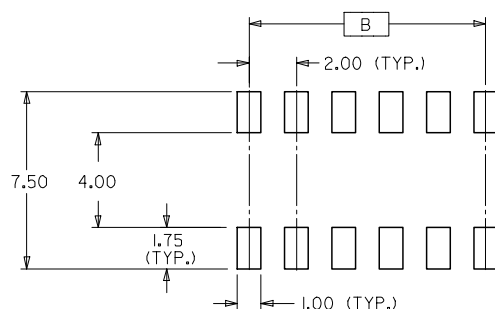
(SEE NOTE 3)

PACKAGING OPTIONS _____

5 - PACKAGED IN TUBE.

6 - PACKAGED IN TAPE & REEL.

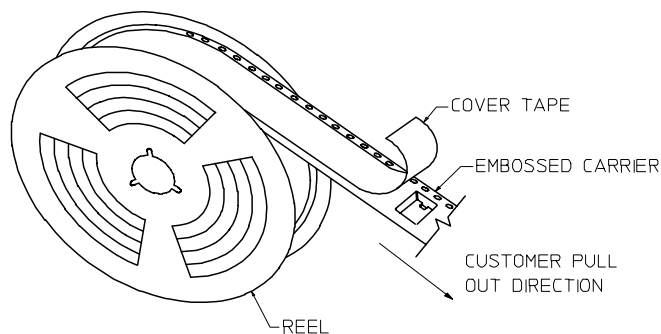
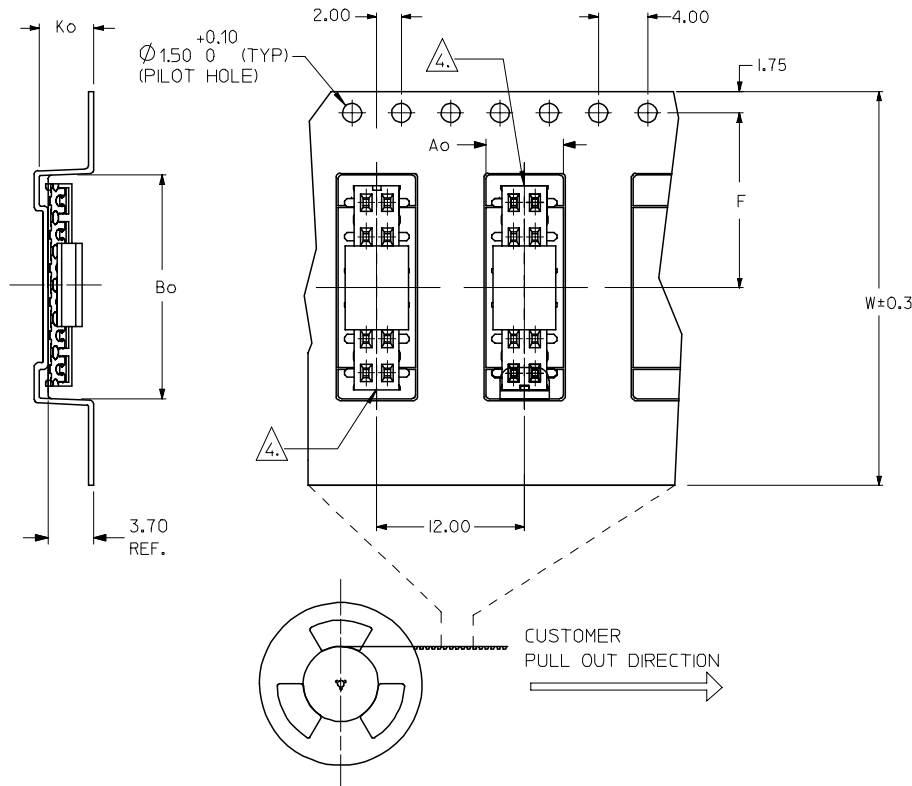
- NOTES :
1. FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART 12 CIRCUIT SIZE.
 2. MATERIAL :
HOUSING :
LCP GLASS FILLED, UL 94V-0
SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS.
COLOR : BLACK
TERMINAL :
PHOSPHOR BRONZE ALLOY
 3. PLATING FINISH:
- **7*
0.38um MIN GOLD AT TERMINAL CONTACT AREA.
1.90um MIN TIN IN SOLDERTAIL AREA BOTH OVER
1.27um MIN NICKEL OVERALL.
- **8*
0.76um MIN GOLD AT TERMINAL CONTACT AREA.
1.90um MIN TIN IN SOLDERTAIL 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			2007/06/13		2007/06/14		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
EC NO: S2007-1036			DRAWN:SKANG		CHKD:ATSEE			▼=0 ▽=0			MM ONLY		NTS	METRIC					
											DRAWN BY		DATE		TITLE				
											PTL IM		1996/04/03		MGRID, VLPR II				
								4 PLACES		± ---		± ---		CHECKED BY		DATE		TOP ENTRY RECEPTACLE	
								3 PLACES		± ---		± ---		SKTOH		1996/04/08		W/O LOC PEGS, SMT	
								2 PLACES		± 0.20		± ---		APPROVED BY		DATE			
								1 PLACE		± ---		± ---		RWONG		1996/04/19		MOLEX INCORPORATED	
								ANGULAR ± 3 °						DOCUMENT NO.		SD-87340-**74		SHEET NO.	
								DRAFT WHERE APPLICABLE		SEE TABLE								1 OF 2	
								MUST REMAIN											
								WITHIN DIMENSIONS											
D2			REV							SIZE		A3							

EMBOSSED CARRIER TAPE WITH DIMENSIONS
(12 CKT IS SHOWN FOR ILLUSTRATION ONLY)

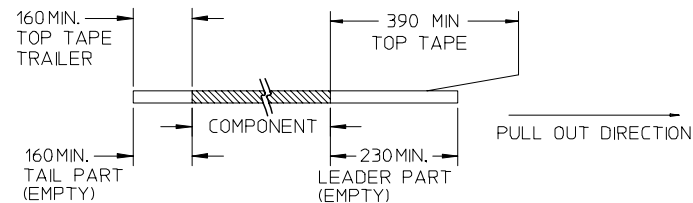


TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY

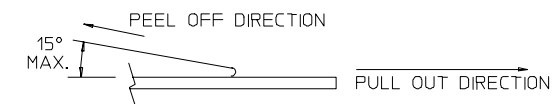
PART NO (WITH CAP IN TAPE & REEL)	CKT SIZE	Ao	Bo	F	W	Ko
87340-0476	04	6.70	5.30	11.50	24.00	5.30
87340-0676	06	6.70	6.40	11.50	24.00	5.30
87340-0686	06	6.70	6.40	11.50	24.00	5.30
87340-0876	08	6.70	8.50	11.50	24.00	5.30
87340-1076	10	6.70	10.40	11.50	24.00	5.30
87340-1276	12	6.70	12.40	11.50	24.00	5.30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

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

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

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

MATERIAL NO.
SEE TABLE

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

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

MOLEX INCORPORATED

DOCUMENT NO. SD-87340-***74

SHEET NO.
2 OF 2

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Электрон
Связь**

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