

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0873400475](#)
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, Tube

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

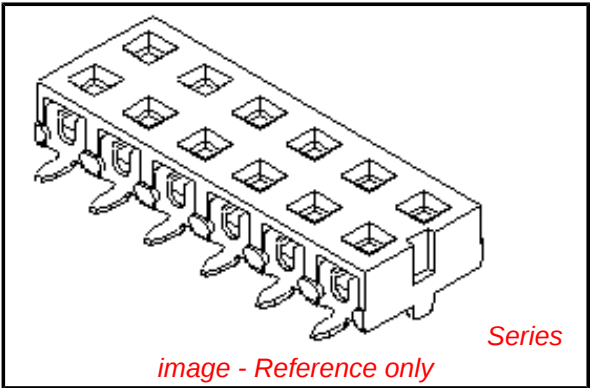
Circuits (Loaded) 4
Color - Resin Black
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows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



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

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

Material Info

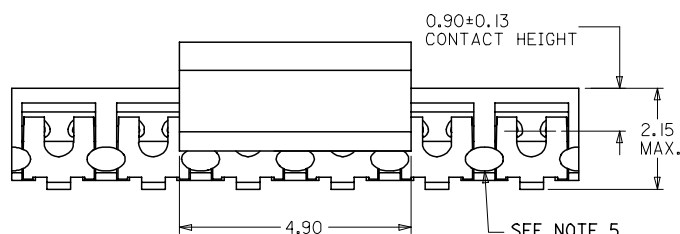
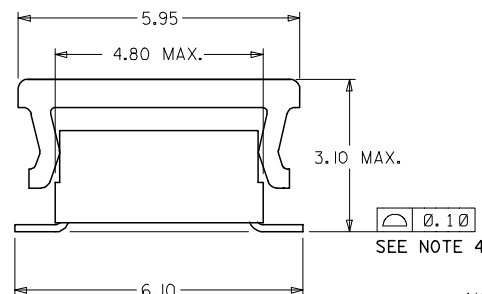
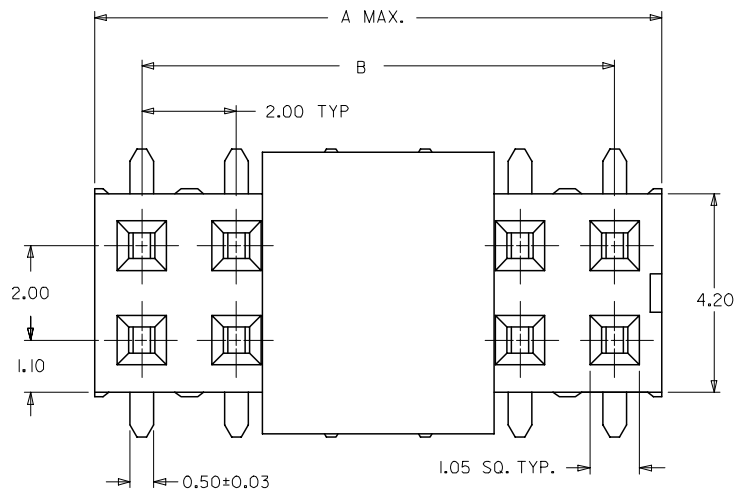
Reference - Drawing Numbers

Sales Drawing	SD-87340-**74
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This document was generated on 05/03/2010

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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 _____

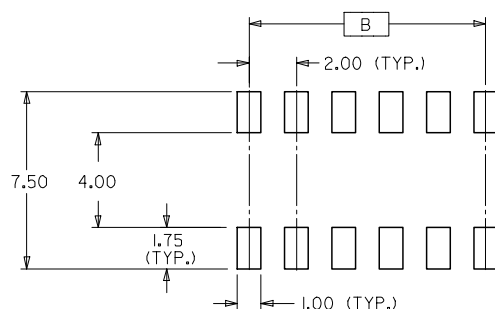
(SEE NOTE 3)

PACKAGING OPTIONS _____

5 - PACKAGED IN TUBE.

6 - PACKAGED IN TAPE & REEL.

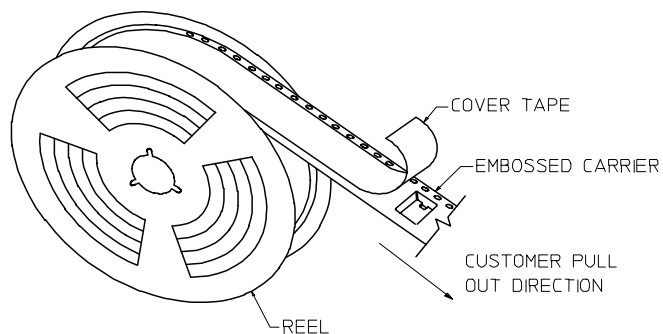
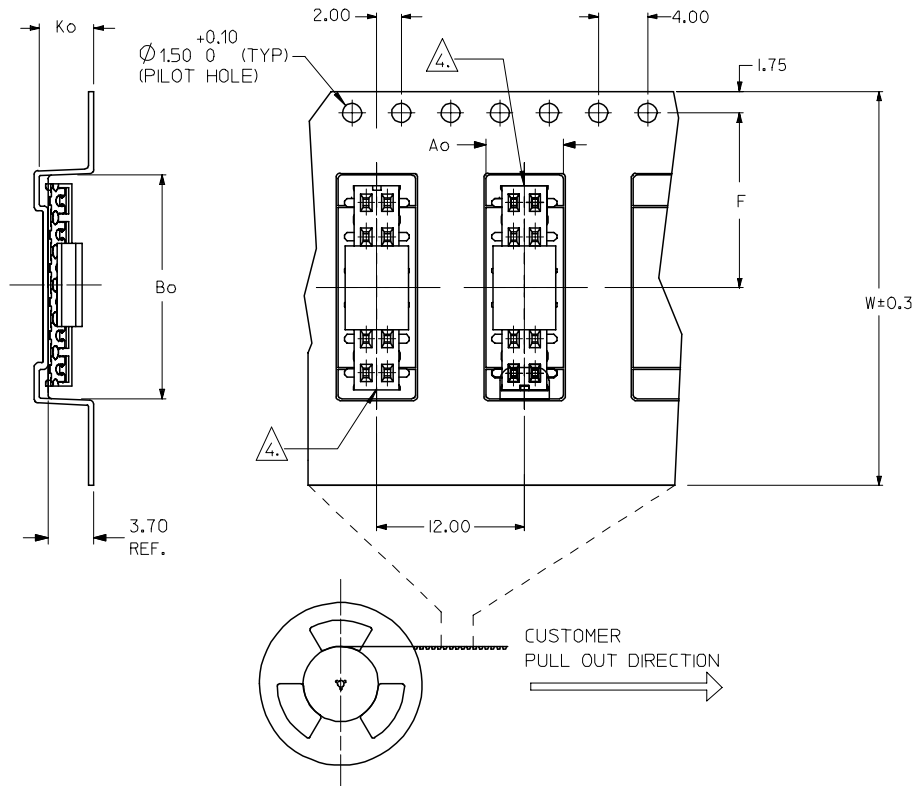
- NOTES :
1. FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART 12 CIRCUIT SIZE.
 2. MATERIAL :
HOUSING :
LCP GLASS FILLED, UL 94V-0
SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS.
COLOR : BLACK
TERMINAL :
PHOSPHOR BRONZE ALLOY
 3. PLATING FINISH:
- **7*
0.38um MIN GOLD AT TERMINAL CONTACT AREA.
1.90um MIN 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 EC NO: S2007-1036 DWINSKANG CHKD:ATSEE APPR:MLONG			2007/06/13 2007/06/14 2007/06/14		QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		MM ONLY		NTS					METRIC					
D2								mm	INCH	DRAWN BY	DATE	TITLE MGRID, VLPR II TOP ENTRY RECEPTACLE W/O LOC PEGS, SMT		
		4 PLACES		± ---	± ---	PTLIM		1996/04/03						
		3 PLACES		± ---	± ---	CHECKED BY		DATE						
		2 PLACES		± 0.20	± ---	SKTOH		1996/04/08						
		1 PLACE		± ---	± ---	APPROVED BY		DATE						
								RWONG		1996/04/19	molex MOLEX INCORPORATED			
										MATERIAL NO.		DOCUMENT NO.		SHEET NO.
										SEE TABLE		SD-87340-**74		1 OF 2
										SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
										A3				

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

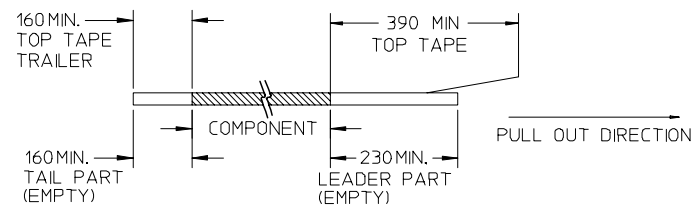


TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY

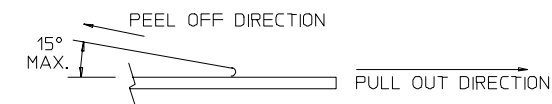
PART NO (WITH CAP IN TAPE & REEL)	CKT SIZE	Ao	Bo	F	W	Ko
87340-0476	04	6.70	5.30	11.50	24.00	5.30
87340-0676	06	6.70	6.40	11.50	24.00	5.30
87340-0686	06	6.70	6.40	11.50	24.00	5.30
87340-0876	08	6.70	8.50	11.50	24.00	5.30
87340-1076	10	6.70	10.40	11.50	24.00	5.30
87340-1276	12	6.70	12.40	11.50	24.00	5.30
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	EC NO: S2007-1036	2007/06/13	2007/06/14	2007/06/14
DRWN:SKANG	CHKD:ATSEE	APPR:MLONG		
D2				

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	
SIZE	A3

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