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Part Number: [0873400698](#)
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, 6 Circuits, Lead-free, Embossed Tape on Reel

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

Physical

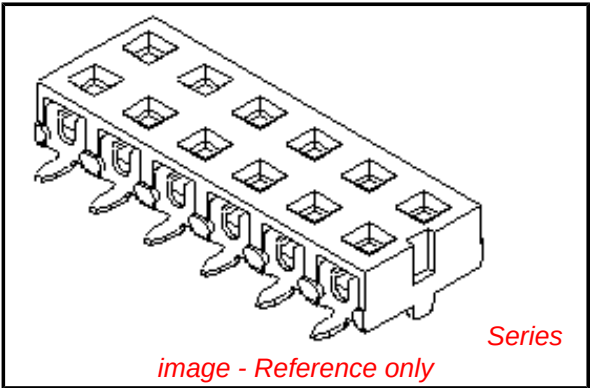
Circuits (Loaded) 6
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention None
PCB Thickness 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

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**

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

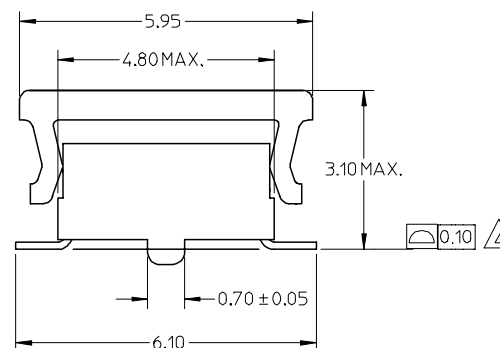
Reference - Drawing Numbers

Sales Drawing

SD-87340-**94

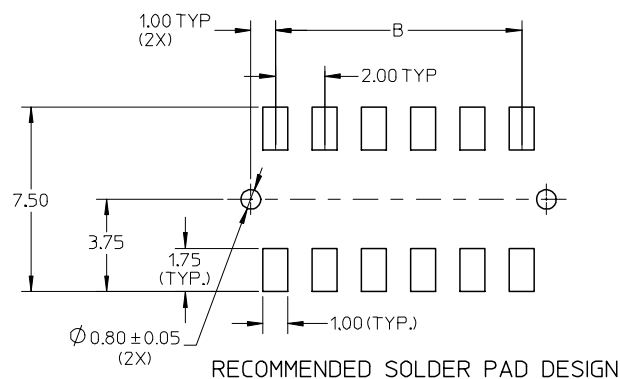
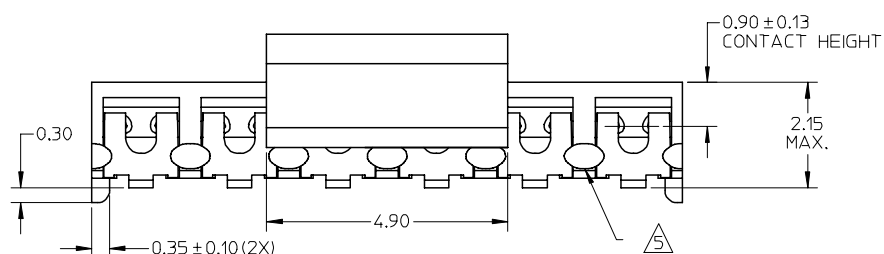
This document was generated on 04/08/2010

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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

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- 0.76μm MINIMUM GOLD PLATE AT CONTACT AREA,
AND 1.90μm MINIMUM TIN PLATE AT P.C TAIL
AREA, BOTH OVER 1.27μm 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 DRAWN BY CHK'D/AGE/SHN APPR:PTL IM	2006/04/01 2006/04/04 2006/04/05	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY DATE		TITLE MGRID, VLPR II TOP ENTRY RECEPT., SMT W/CAP FOR PICK-&-PLACE				
				4 PLACES	± ---	± ---	DSOH	1997/06/19					
				3 PLACES	± ---	± ---	CHECKED BY DATE	MOLEX MOLEX INCORPORATED					
				2 PLACES	± 0.20	± ---	KCL ING						1997/06/25
1 PLACE	± ---	± ---	APPROVED BY DATE	DOCUMENT NO.		SHEET NO.							
			ANGULAR ± 3 °			MATERIAL NO. SKTOH		SD-87340-**94		1 OF 2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

F

E

D

C

B

A

F

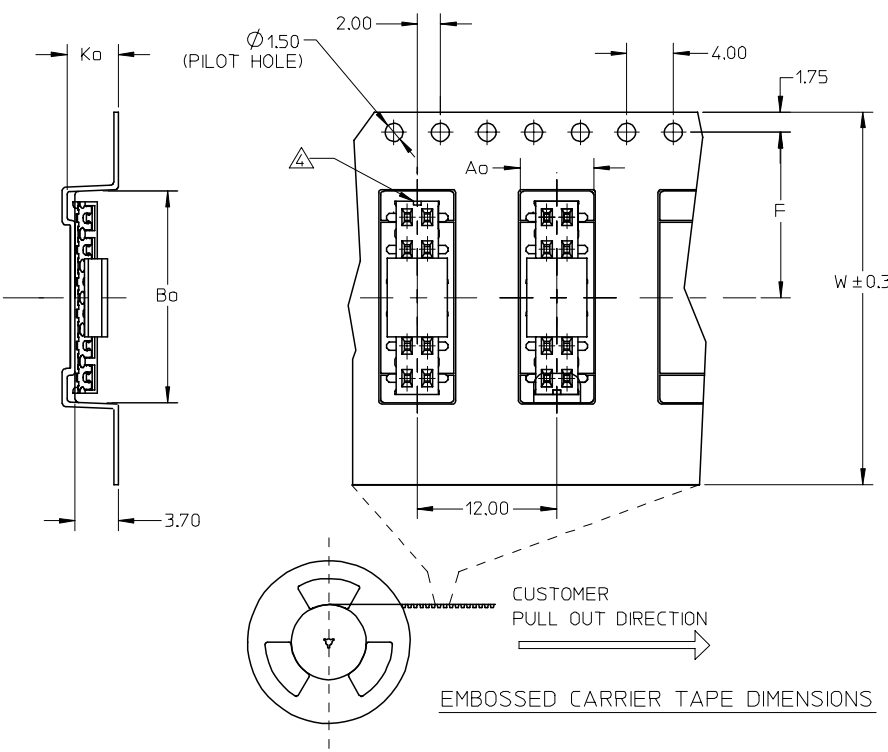
E

D

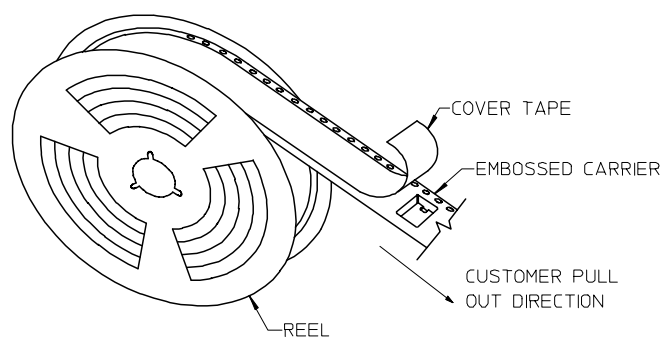
C

B

A



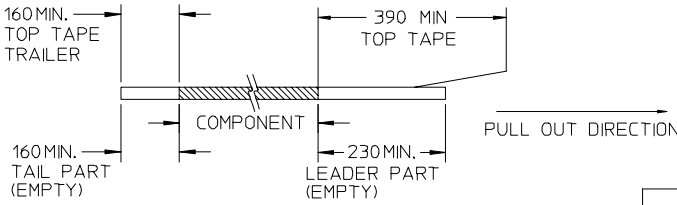
PART NUMBER W/CAP IN TAPE/REEL	CKT. SIZE	Ao	Bo	F	W	Ko
87340-0498	4	6.70	5.30	11.50	24.00	5.30
87340-0698	6	6.50	6.50	7.50	16.00	4.50
87340-0898	8	6.70	8.40	11.50	24.00	5.30
87340-1298	12	6.60	12.40	11.50	24.00	4.40
87340-1498	14	6.60	14.30	11.50	24.00	4.40
87340-1698	16	6.60	16.30	11.50	24.00	4.40
87340-2098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



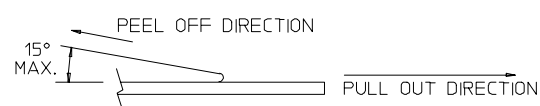
TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY.

NOTES:

1. LEADER AND TRAILER TAPE

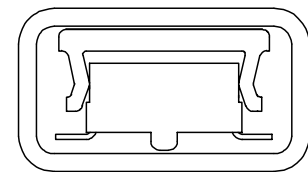


2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. PACKAGING STANDARD IS AS PER EIA-481.

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



PART IN TUBE VIEW

OBS TIN/LEAD P/N EC NO: S2006-0732 DRWN:MLONG CHKD:NAGESHKN APPR:PTLIM 2006/04/03 2006/04/04 2006/04/05	REV D	DESCRIPTION	QUALITY SYMBOLS ▽=0 △=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	MGRID, VLPR II TOP ENTRY RECEPT., SMT W/CAP FOR PICK-&-PLACE MOLEX INCORPORATED SD-87340-**-94	SHEET NO. 2 OF 2				
						DRAWN BY DSOH		DATE 1997/06/19					TITLE			
				4 PLACES		± ---		± ---					CHECKED BY KCLING		DATE 1997/06/25	
				3 PLACES		± ---		± ---					APPROVED BY SKTOH		DATE 1997/06/27	
				2 PLACES		± 0.20		± ---								
				1 PLACE		± ---		± ---								
								ANGULAR ± 3 °								
													MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87340-**-94	
													SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	