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Part Number: [0873402023](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount (Very Low Profile), Top Entry, with Locating Pegs, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, Lead-free, Tube

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-87340 \(PDF\)](#)
[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

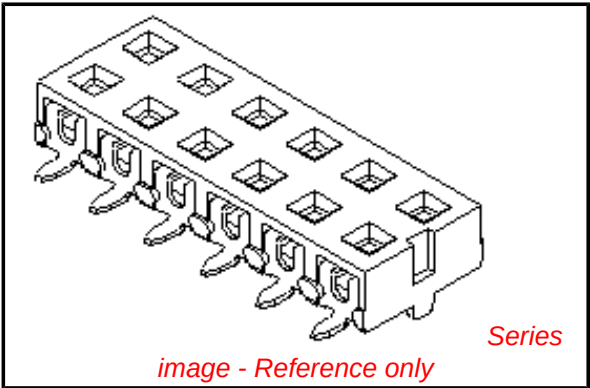
Circuits (Loaded) 20
Color - Resin Black
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (in) 0.031 In
PCB Thickness Recommended (mm) 0.80 mm
Packaging Type Tube
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
Plating min: Termination (µin) 76
Plating min: Termination (µm) 1.9
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



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

Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

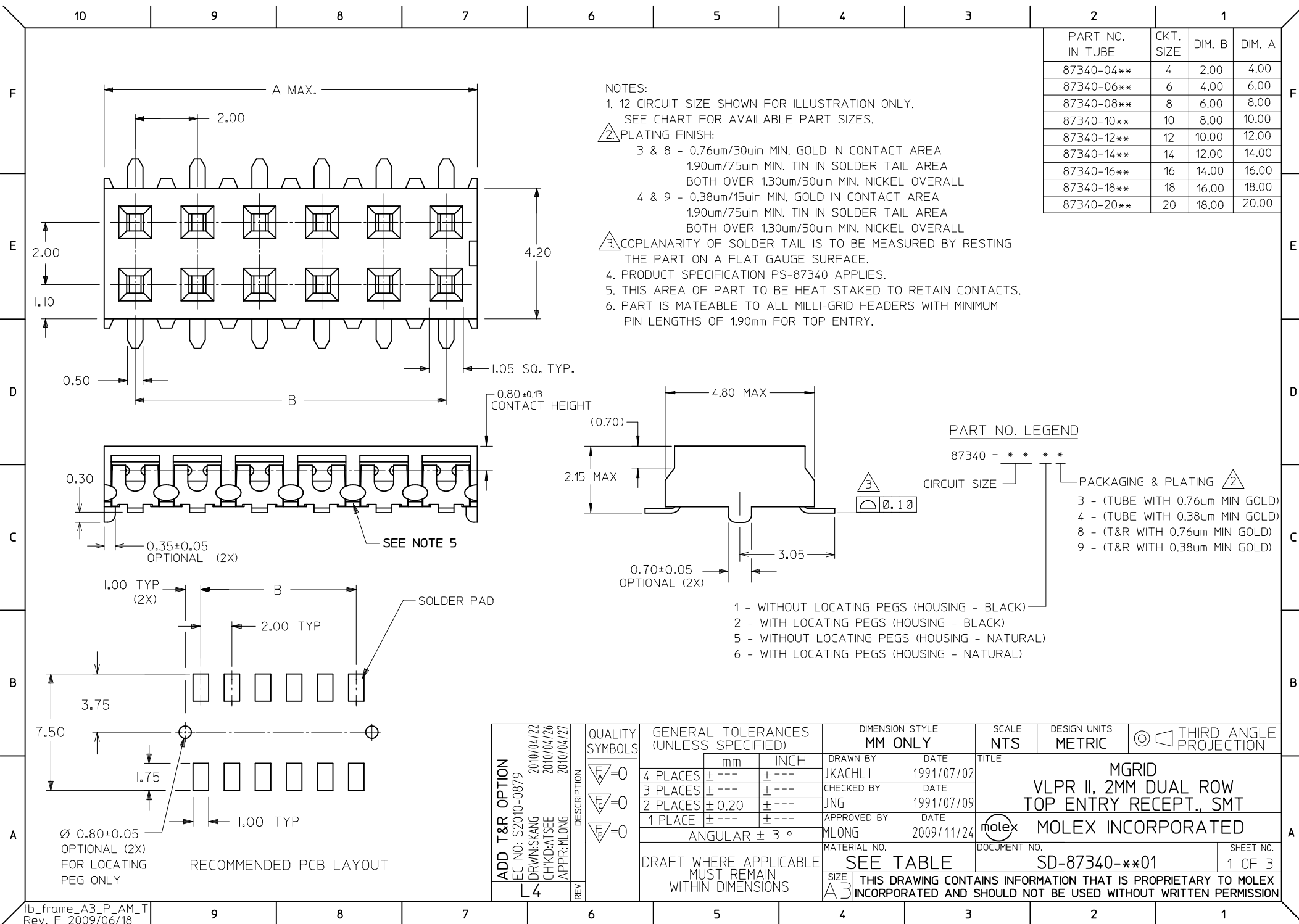
Material Info

Reference - Drawing Numbers

Product Specification	PS-87340
Sales Drawing	SD-87340-**01

This document was generated on 05/03/2010

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10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

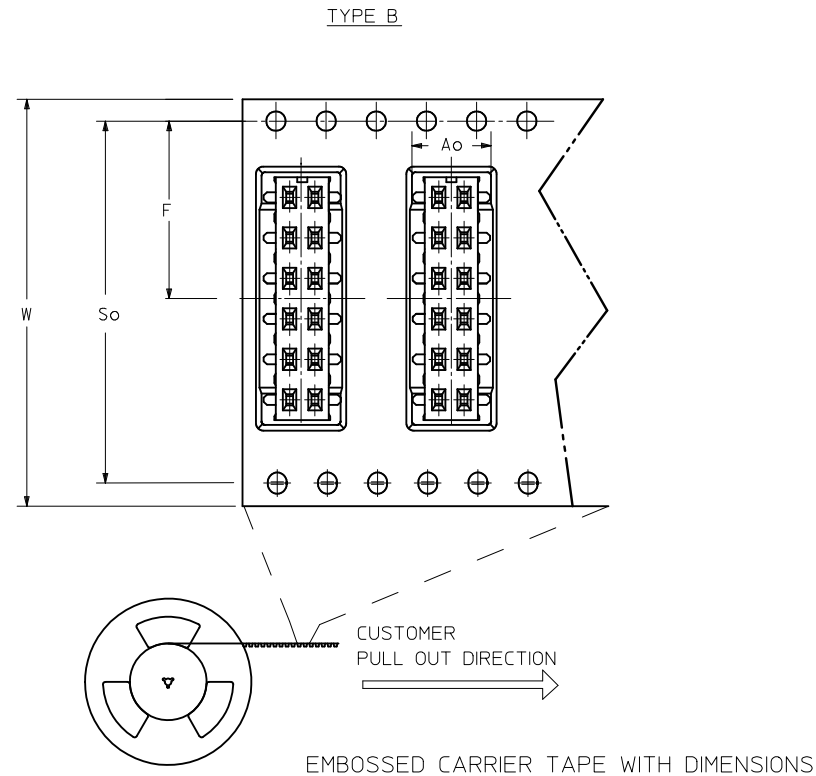
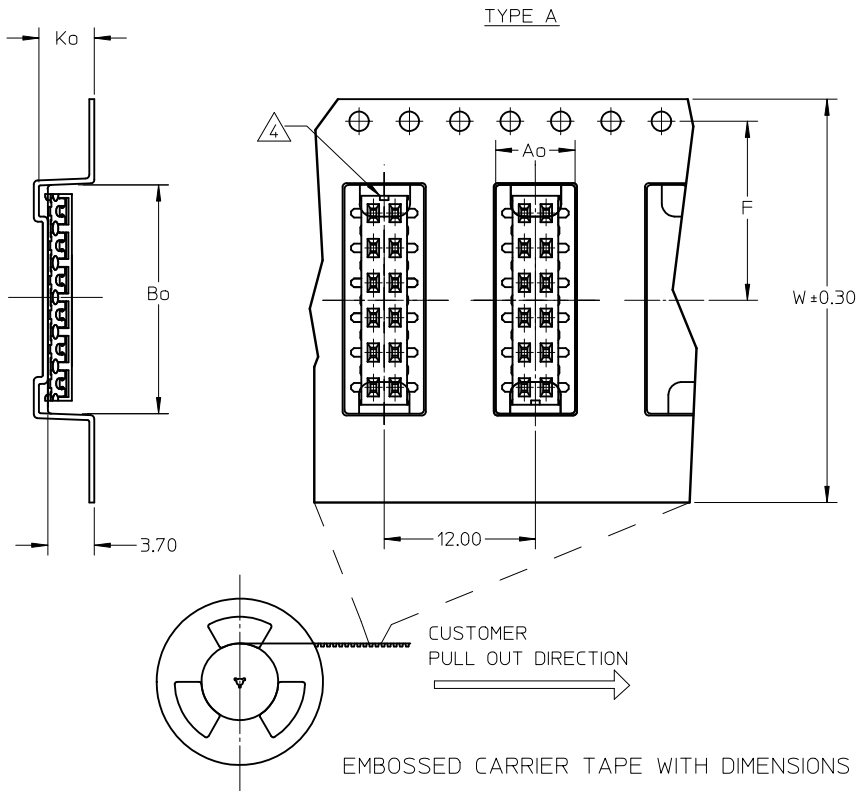
E

D

C

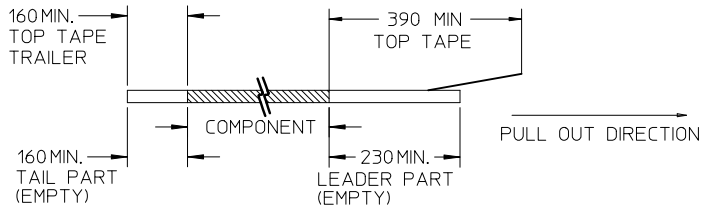
B

A

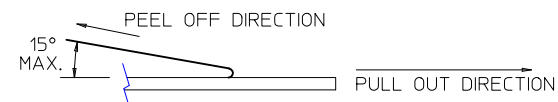


NOTES:

1. LEADER AND TRAILER TAPE



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



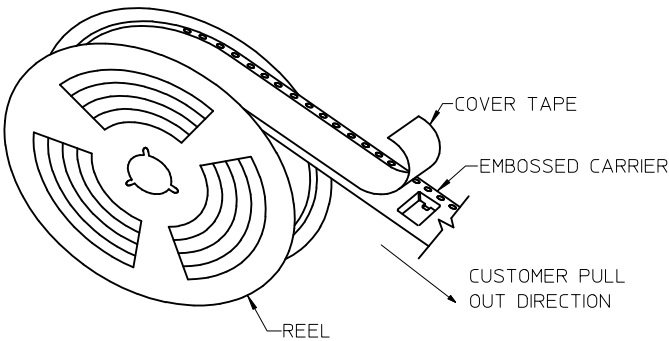
3. PACKAGING STANDARD IS AS PER EIA-481.

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

5. TAPE & REEL QUANTITY : TBA

ADD T&R OPTION EC NO: S2010-0879 DRWN:SKANG CHKD:ATSEE APPR:MLONG	DESCRIPTION 2010/04/22 2010/04/26 2010/04/27	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY JKACHL I	DATE 1991/07/02	TITLE MGRID VLPR II, 2MM DUAL ROW TOP ENTRY RECEPT., SMT				
			4 PLACES	± ---	± ---	CHECKED BY JNG	DATE 1991/07/09					
			3 PLACES	± ---	± ---	APPROVED BY MLONG						
			2 PLACES	± 0.20	± ---	MOLEX MOLEX INCORPORATED						
			1 PLACE	± ---	± ---							
ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-87340-**-01				2 OF 3			
SIZE A3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

		10	9	8	7	6	5	4	3	2		1				
F								PART NO. IN TUBE	PART NO. TAPE/REEL	CKT SIZE	Ao	Bo	F	W	Ko	So
								87340-1014	87340-1019	10	6.70	10.40	11.50	24.00	5.30	-
								87340-1613	87340-1618	16	6.60	16.30	11.50	24.00	4.40	-
								87340-1424	87340-1429	14	6.60	14.40	11.50	24.00	4.40	-
								87340-1813	87340-1818	18	6.60	18.40	14.20	32.00	4.40	28.40
								87340-1814	87340-1819	18	6.60	18.40	14.20	32.00	4.40	28.40
								87340-2024	87340-2029	20	6.60	20.30	20.20	44.00	5.40	40.40



TAPE AND REEL ASSEMBLY SHOWN IS FOR ILLUSTRATION ONLY.

A		ADD T&R OPTION EC NO: S2010-0879 DRWN:SKANG CHKD:ATSEE APPR:MLONG	2010/04/22 2010/04/26 2010/04/27	DESCRIPTION REV	QUALITY SYMBOLS F_A =0 F_C =0 F_P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
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						2 PLACES	± 0.20	± ---									
						1 PLACE	± ---	± ---	ANGULAR ± 3 °								
						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							