

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0873401423](#)
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, 14 Circuits, Lead-free, Tube

Documents:

3D Model	Product Specification PS-87340 (PDF)
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

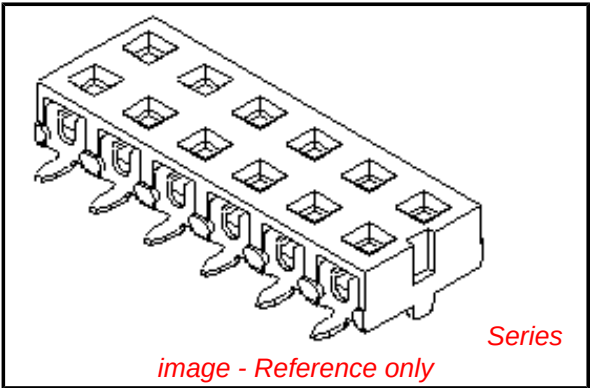
Circuits (Loaded)	14
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (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
Lead-free Process Capability	Reflow Capable (SMT only)



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

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

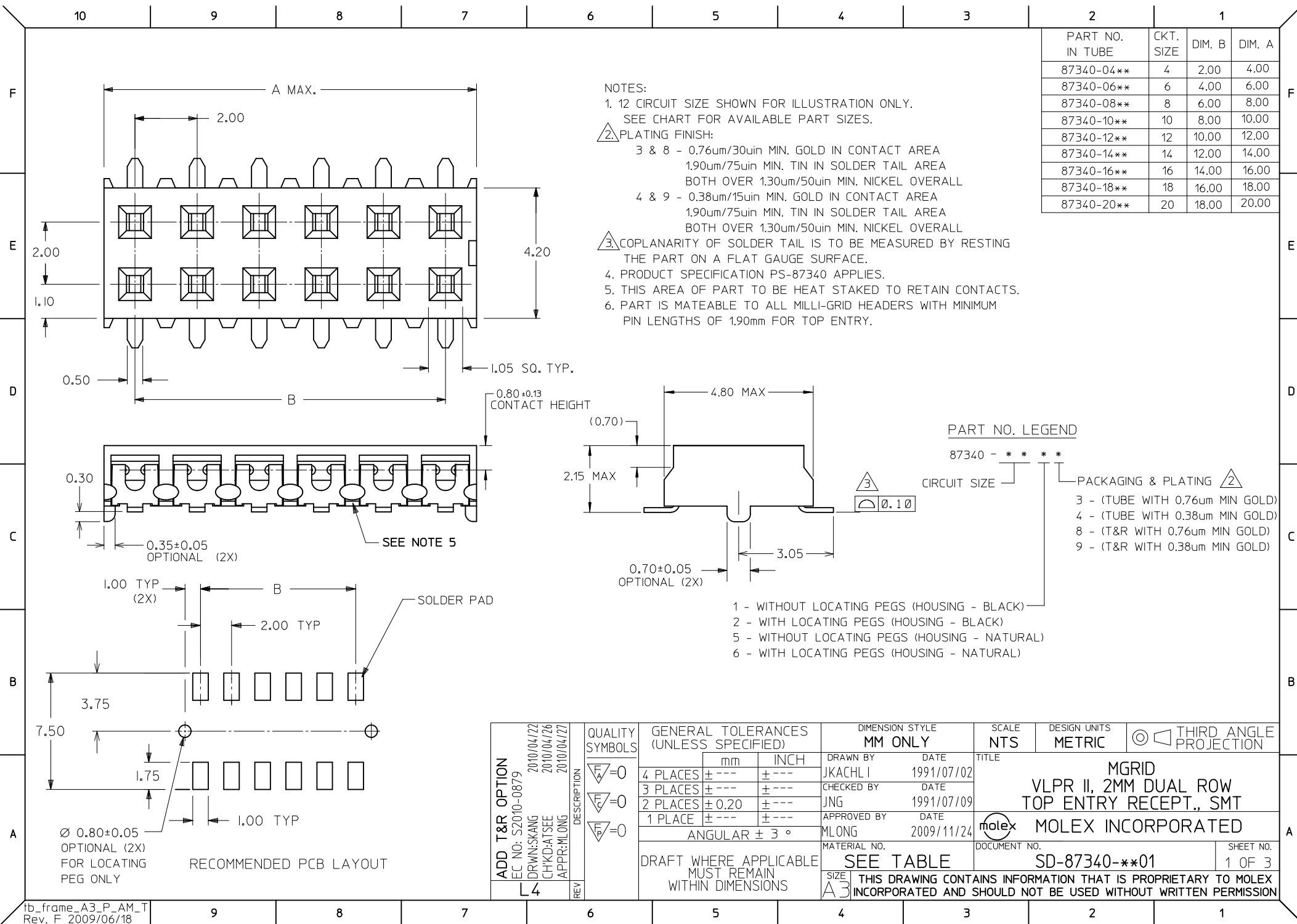
Material Info

Reference - Drawing Numbers

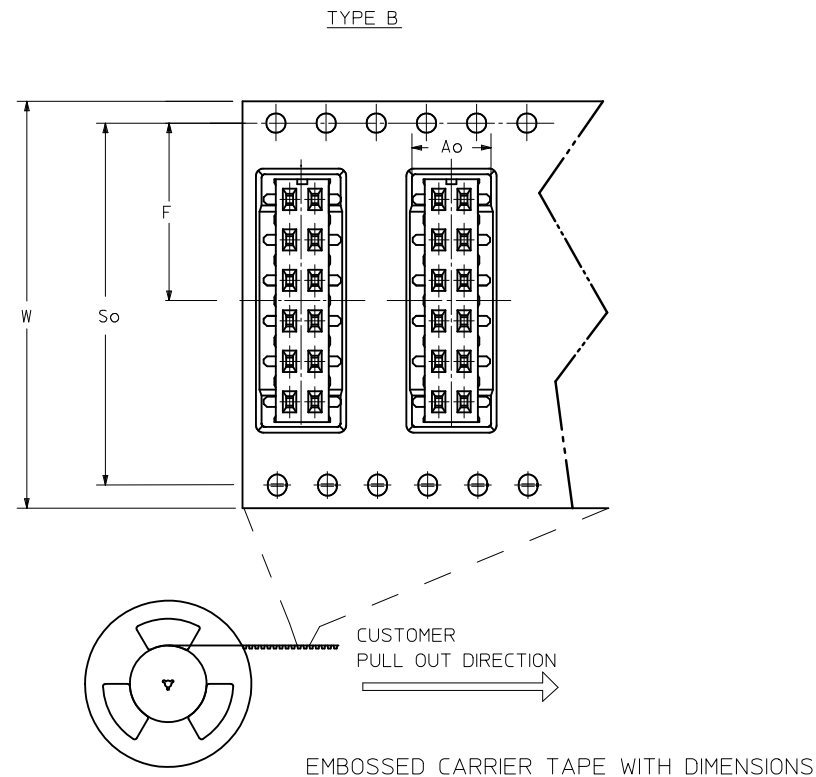
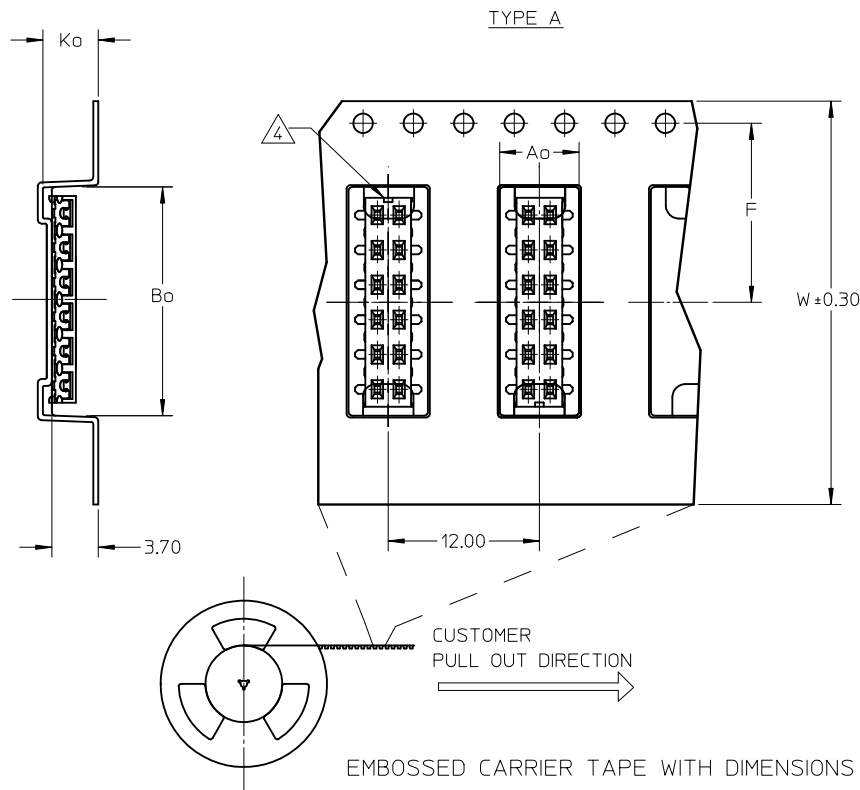
Product Specification	PS-87340
Sales Drawing	SD-87340-**01

This document was generated on 05/03/2010

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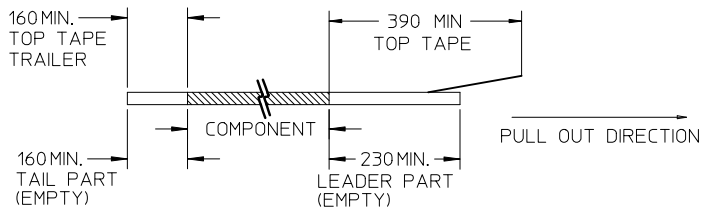


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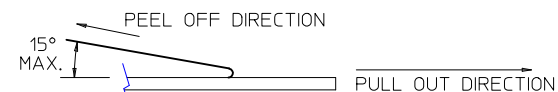


NOTES:

1. LEADER AND TRAILER TAPE



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



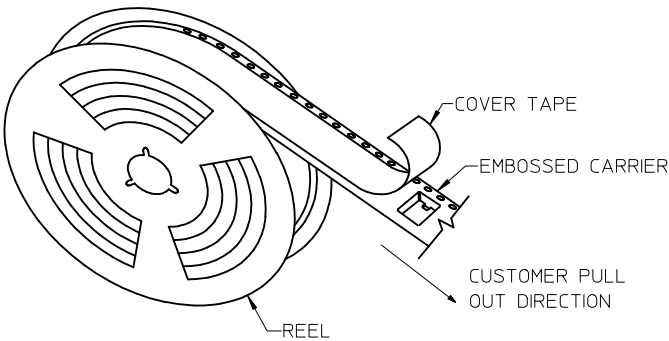
3. PACKAGING STANDARD IS AS PER EIA-481.

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	REV L4	DESCRIPTION 2010/04/22 2010/04/26 2010/04/27	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					
				4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY JKACHL I	DATE 1991/07/02	TITLE MGRID VLPR II, 2MM DUAL ROW TOP ENTRY RECEPT., SMT MOLEX INCORPORATED						
					± ---	± ---	CHECKED BY JNG	DATE 1991/07/09							
					± ---	± ---	APPROVED BY	DATE							
					± 0.20	± ---	MLONG	2009/11/24							
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87340-**-01		2 OF 3					
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
				SIZE A3											

		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.

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						MM ONLY		NTS	METRIC			
						mm	INCH	DRAWN BY	DATE		TITLE MGRID VLPR II, 2MM DUAL ROW TOP ENTRY RECEPT., SMT	
						4 PLACES	± ---	± ---	JKACHL I			
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
			2 PLACES	± 0.20	± ---	JNG	1991/07/09					
			1 PLACE	± ---	± ---	APPROVED BY	DATE	MOLEX INCORPORATED				
			ANGULAR ± 3 °		MLONG	2009/11/24						
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L4					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						