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Part Number: [0878320822](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-free, 8 Circuits, 0.38µm (15µ") Gold (Au) Plating, Pick-and-Place Cap, without Locking Window, Center Polarization Slot, PCB Locator, Tube

Documents:
[3D Model](#) [Product Specification PS-87831-027 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [87832](#)
Application Wire-to-Board
Comments With Cap|Contact Molex for application in automotive industry
Overview [milligrid](#)
Product Name Milli-Grid™

Physical

Breakaway No
Circuits (Loaded) 8
Circuits (maximum) 8
Color - Resin Black
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part Yes
Lock to Mating Part No
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention None
Packaging Type Tube
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Pitch - Term. Interface (in) 0.079 In
Pitch - Term. 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) 1.88
Polarized to Mating Part Side Slots (2)
Polarized to PCB No
Shrouded Fully
Stackable No

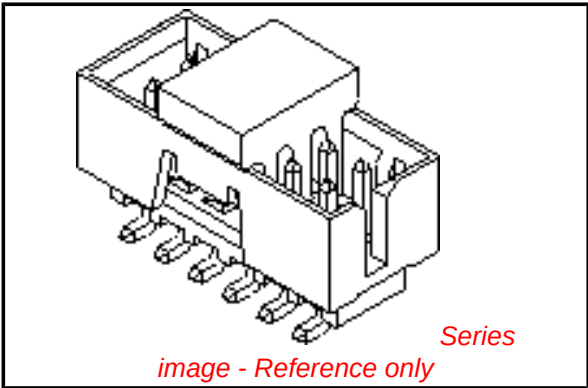


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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
[87832Series](#)

Mates With
[50394](#) Wire-to-Board Terminals. [51110](#) Wire-to-Board Crimp Housing. [87568](#) Wire-to-Board IDT Housings. [79107](#) Board-to-Board Top Entry Through Hole Receptacle. [79108](#) Board-to-Board FFC/FPC Top Entry Through Hole Receptacle. L

Temperature Range - Operating

Termination Interface: Style

-55°C to +105°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

2A

125V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

Max. Cycles at Max. Process Temperature

Process Temperature max. C

10

Reflow Capable (SMT only)

1

260

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-87831-027

SD-87832-006

This document was generated on 05/25/2010

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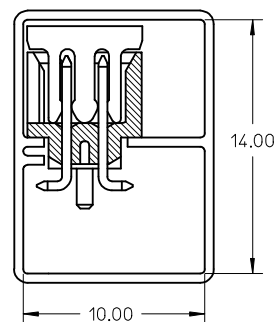
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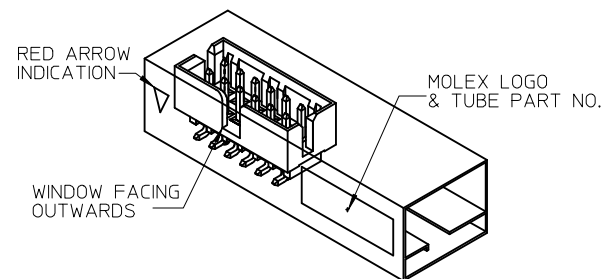
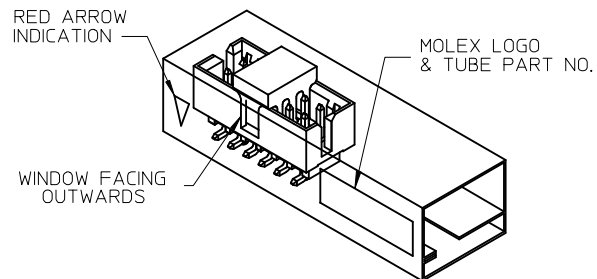
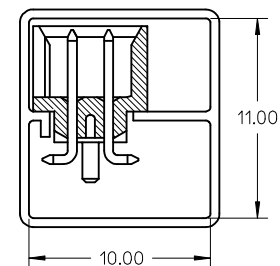
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TUBE PACKAGING

WITH CAP IN TUBE



WITHOUT CAP IN TUBE



REF : ORIENTATION OF PART IN TUBE
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)

ADD ILLUSTRATION EC NO: S2009-0556 DRWN:SKANG CHKD:ATSEE APPR:MLONG A9	REV	DESCRIPTION 2009/02/23 2009/02/23 2009/02/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
						DRAWN BY	DATE	TITLE MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R MOLEX INCORPORATED			
						CHECKED BY	DATE				
						APPROVED BY	DATE				
				4 PLACES ± --- ± ---		ATSEE 2003/10/14					
				3 PLACES ± --- ± ---		KCL ING 2003/11/07					
				2 PLACES ± 0.2 ± ---		SKTOH 2003/11/07		SD-87832-006			
				1 PLACE ± --- ± ---							
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
				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			

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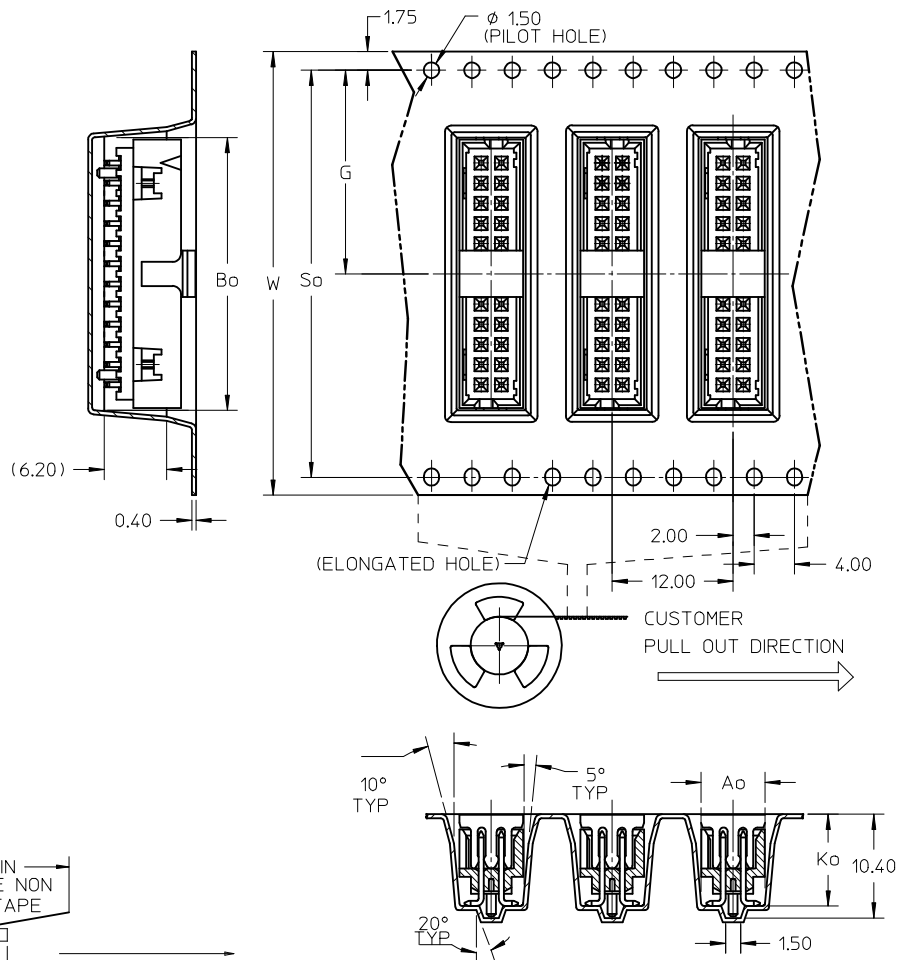
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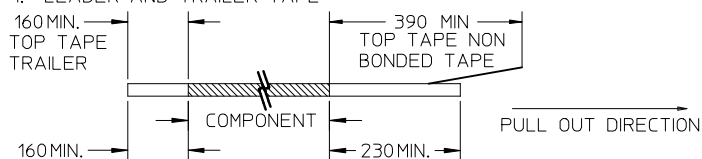
EMBOSSED CARRIER TAPE LAYOUT

24 CKT USE FOR ILLUSTRATION ONLY



NOTES:

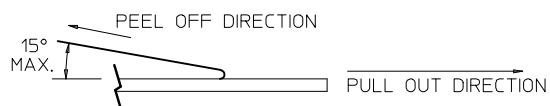
1. LEADER AND TRAILER TAPE
160MIN. TOP TAPE TRAILER



TAIL PART
(EMPTY)

LEADER PART
(EMPTY)

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.

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			CHECKED BY KCLING		DATE 2003/11/07						
			APPROVED BY SKTOH		DATE 2003/11/07						
			MATERIAL NO.		DOCUMENT NO.					SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87832-006				3 OF 4		
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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[illegible]