

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0878326022

Status:

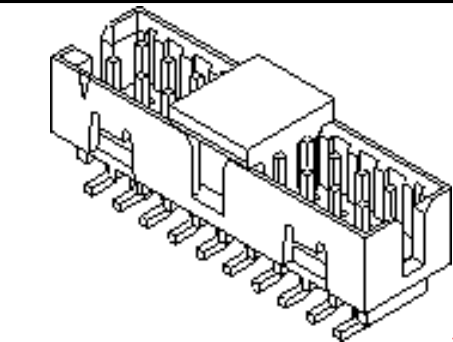
Active

Overview:

milligrid

Description:

2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-free, 22 Circuits, 0.38µm (15µ") Gold (Au) Plating, with Pick-and-Place Cap, with Side and Center Locking Windows, with Center Polarization Slot, with PCB Locator, Embossed



Series
image - Reference only

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)

22

Circuits (maximum)

22

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

Yes

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

Embossed Tape on Reel

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

EU RoHS

China RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status



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

Stackable	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-87831-027
Sales Drawing	SD-87832-006

This document was generated on 05/26/2010

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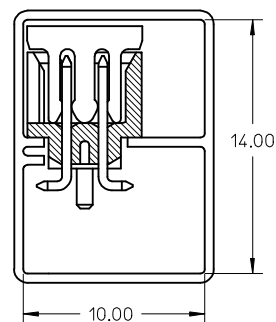
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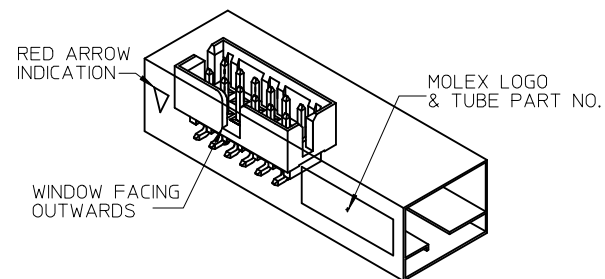
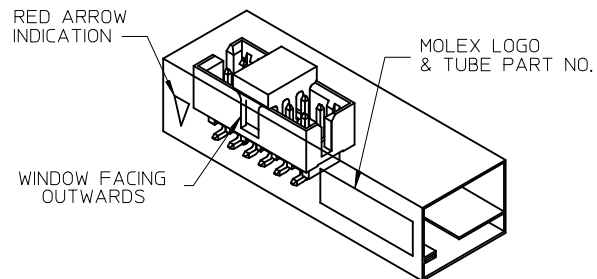
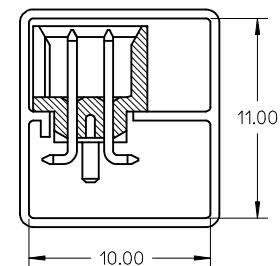
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TUBE PACKAGING

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	2009/02/23 2009/02/23 2009/02/23	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY ATSEE	DATE 2003/10/14	TITLE MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R			
				4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2003/11/07				
				3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2003/11/07				
				2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE				DOCUMENT NO. SD-87832-006	SHEET NO. 2 OF 4
				1 PLACE	± ---	± ---	ANGULAR ± 3 °		MOLEX INCORPORATED			
				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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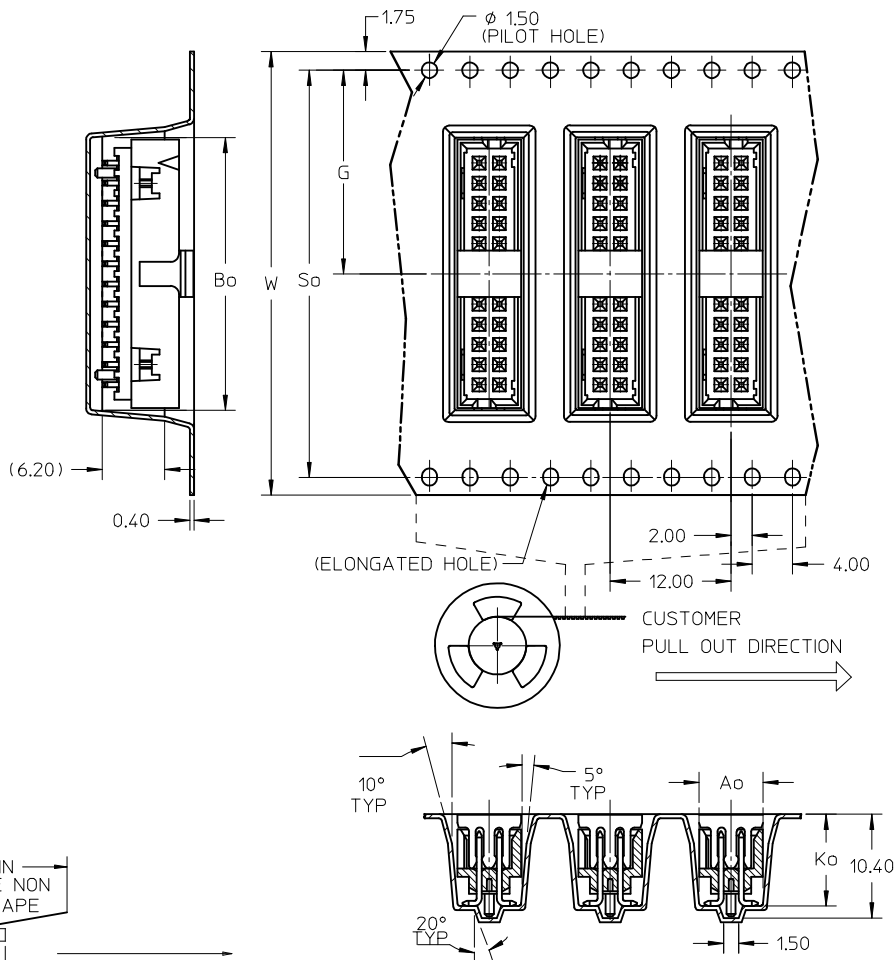
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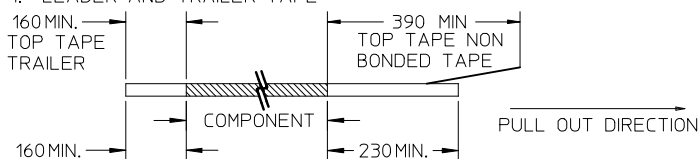
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EMBOSSED CARRIER TAPE LAYOUT 24 CKT USE FOR ILLUSTRATION ONLY



NOTES:

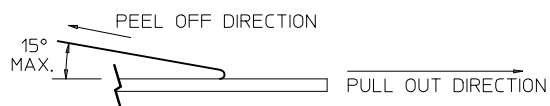
1. LEADER AND TRAILER TAPE
160MIN. TOP TAPE TRAILER



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 DATE							
			KCLING 2003/11/07							
			APPROVED BY DATE							
			SKTOH 2003/11/07		molex MOLEX INCORPORATED					
			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			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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	10	9	8	7	6	5	4	3	2	1													
F	PLS REFER TO PART 87832-**-08 FOR CENTER LOCKING SLOT OPTION.					REF. OPTION	P/N W/O CAP IN TUBE	P/N W/CAP IN TUBE	P/N W/CAP IN TAPE & REEL	CKT SIZE	DIMENSION						F						
											W	G	Bo	So	Ao	Ko							
E						NO	87832-0420	87832-0422	87832-5122	4	16.00	7.50	7.15	-----	6.40	9.30	E						
						YES	87832-0620	87832-0622	87832-5222	6	24.00	11.50	9.15	-----	6.40	9.30							
						YES	87832-0820	87832-0822	87832-5322	8	24.00	11.50	11.05	-----	6.40	9.30							
						YES	87832-1020	87832-1022	87832-5422	10	24.00	11.50	13.05	-----	6.40	9.30							
						YES	87832-1220	87832-1222	87832-5522	12	32.00	14.20	15.15	28.40	6.85	9.30							
						YES	87832-1420	87832-1422	87832-5622	14	32.00	14.20	17.05	28.40	6.40	9.30							
						YES	87832-1620	87832-1622	87832-5722	16	32.00	14.20	19.05	28.40	6.40	9.30							
						YES	87832-1820	87832-1822	87832-5822	18	44.00	20.20	21.05	40.40	6.40	9.30							
						YES	87832-2020	87832-2022	87832-5922	20	44.00	20.20	23.05	40.40	6.40	9.30							
						YES	87832-2220	87832-2222	87832-6022	22	44.00	20.20	25.05	40.40	6.40	9.30							
						YES	87832-2420	87832-2422	87832-6122	24	44.00	20.20	27.05	40.40	6.40	9.30							
						YES	87832-2620	87832-2622	87832-6222	26	44.00	20.20	29.05	40.40	6.40	9.30							
						YES	87832-2820	87832-2822	87832-6322	28	56.00	26.20	31.05	52.40	6.40	9.30							
						YES	87832-3020	87832-3022	87832-6422	30	56.00	26.20	33.05	52.40	6.40	9.30							
						YES	87832-3220	87832-3222	-----	32	-----	-----	-----	-----	-----	-----							
						YES	87832-3420	87832-3422	87832-6622	34	56.00	26.20	37.05	52.40	6.40	9.30							
						YES	87832-3620	87832-3622	-----	36	-----	-----	-----	-----	-----	-----							
						YES	87832-3820	87832-3822	-----	38	-----	-----	-----	-----	-----	-----							
						D						YES	87832-4020	87832-4022	87832-6922	40		56.00	26.20	43.05	52.40	6.40	9.30
YES	87832-4220	87832-4222	-----	42	-----							-----	-----	-----	-----	-----							
YES	87832-4420	87832-4422	87832-7122	44	56.00							26.20	46.80	52.40	6.40	9.30							
YES	87832-4620	87832-4622	87832-7222	46	56.00							26.20	47.05	52.40	6.40	9.30							
YES	87832-4820	87832-4822	-----	48	-----							-----	-----	-----	-----	-----							
YES	87832-5020	87832-5022	87832-7422	50	72.00							34.20	53.05	68.40	6.40	9.30							
C																		C					
B																		B					
A																		A					
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A9						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													
fb_frame_A3_P_AM_T Rev. E 2006/04/15						9	8	7	6	5	4	3	2	1									