

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0878320826

Status:

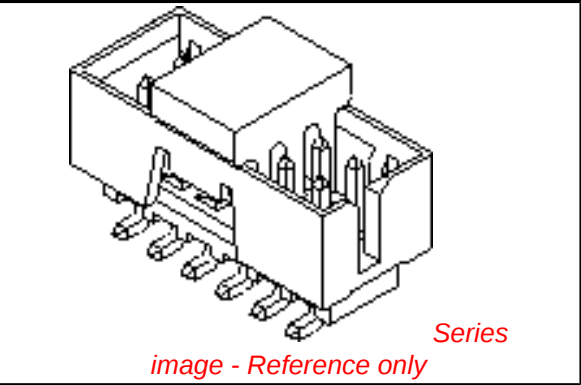
Active

Overview:

milligrid

Description:

2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-free, 8 Circuits, 0.38µm (15µ") Gold (Au) Plating, without PCB Locator, with Locking Window, Pick-and-Place Cap, Tube



Documents:

3D Model

Drawing (PDF)

Product Specification PS-87831-027 (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	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
PCB Locator	No
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

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

Material Info

Reference - Drawing Numbers

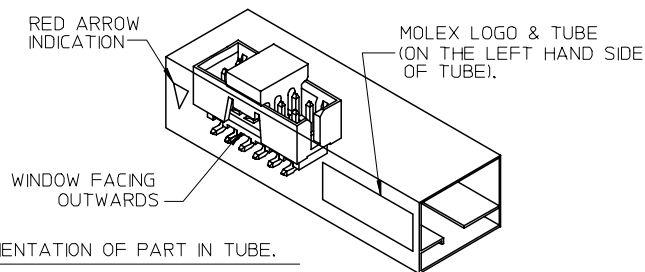
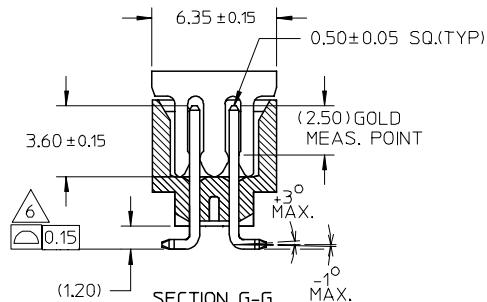
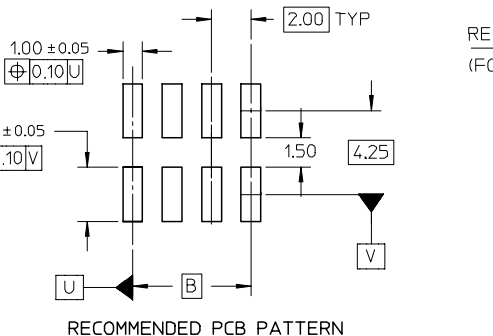
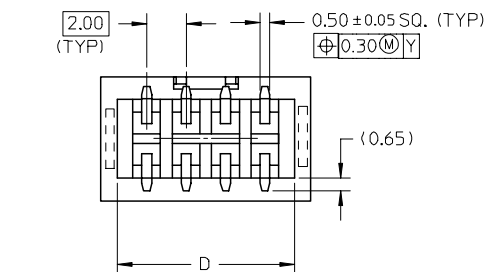
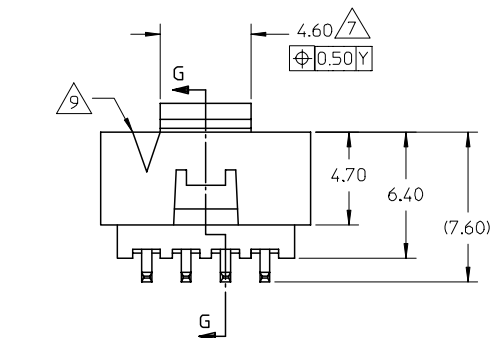
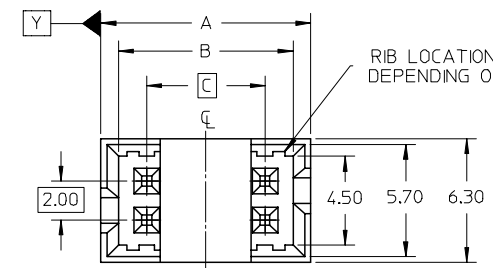
Product Specification
Sales Drawing

PS-87831-027
SD-87832-030

This document was generated on 05/25/2010

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10 9 8 7 6 5 4 3 2 1



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

P/N WITHOUT CAP IN TUBE	P/N WITH CAP IN TUBE	P/N WITH CAP IN TAPE/REEL	CKT SIZE	DIMENSION			
				A	B	C	D
87832-0624	87832-0626	87832-0628	6	8.65	6.85	4.00	7.00
87832-0824	87832-0826	87832-0828	8	10.65	8.85	6.00	9.00
87832-1024	87832-1026	87832-1028	10	12.65	10.85	8.00	11.00
87832-1224	87832-1226	87832-1228	12	14.65	12.85	10.00	13.00

- NOTES:
- FOR ILLUSTRATION PURPOSES, 8 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL :
HOUSING & CAP : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK.
PIN : 0.50MM SQ.PHOSPHOR BRONZE.
 - PLATING :
0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN
SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
 - PIN PUSHOUT FORCE : 0.91 KG MIN. IN EITHER DIRECTION.
 - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
 - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL
ON A GAUGE SURFACE.
 - BEND DEPRESSION ON SMT TAIL IS ACCEPTACLE SO LONG AS IT
DOES NOT AFFECT THE OVERALL COPLANARITY OF THE TAIL.
 - CAP TO BE POSITION IN THE CENTER OF HEADER FOR
PICK AND PLACE.
 - CKT 4 & 6 HAS NO IDENTIFICATION TAG.
 - FOR 4 CKT OPTION, REFER TO 87832-0406.
 - THIS HEADER MATES WITH MOLEX:
a) CRIMP RECEPTACLE HOUSING, 51110 SERIES
WITH CRIMP TERMINAL, 50394 SERIES.
b) 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
 - PARTS SHALL BE PACKED WITH MOISTURE BARRIER BAG WITH
DESICCANT GEL.

REVISED	EC NO: S2008-0049	DRWN:SKANG	CHKD:ATSEE	APPR:MLONG	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
2007/10/31	2007/10/31	2007/10/31	2007/10/31	2007/11/01												
4 PLACES	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---
3 PLACES	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---
2 PLACES	± 0.2	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---
1 PLACE	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---	± ---
ANGULAR ± 3 °								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
SEE TABLE								SEE TABLE								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

