

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0878344143

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch C-Grid® Header, Dual Row, Low Profile, Vertical, Shrouded, Lead-free, 40 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, without PCB Locator, Center Polarization Slot, with Pins 25, 27 and 28 Voided

Documents:

3D Model

Drawing (PDF)

Product Specification PS-70246-100 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Headers

87834

Wire-to-Board

Void Pin Location: 25, 27, 28|Contact Molex for application in automotive industry

cgrid_sl_products

C-Grid®

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

37

40

Natural

No

No

No

None

None

Gold

Tin

Nylon

2

Vertical

0.135 In

3.43 mm

No

None

Tray

0.100 In

2.54 mm

0.100 In

2.54 mm

15

0.38

100

2.54

Center Slot

No

Fully

No

-55°C to +120°C

Through Hole

Electrical

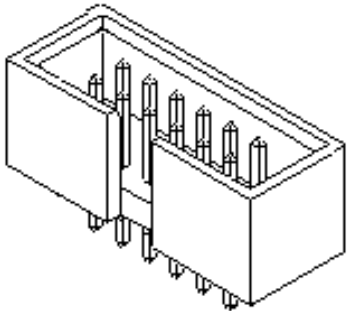


image - Reference only

Series

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

87834Series

Mates With

.050" pitch ribbon cable connectors

Current - Maximum per Contact	2.5A
Voltage - Maximum	250V DC

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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Material Info

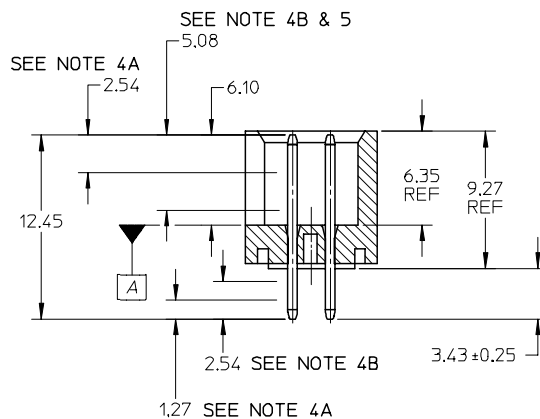
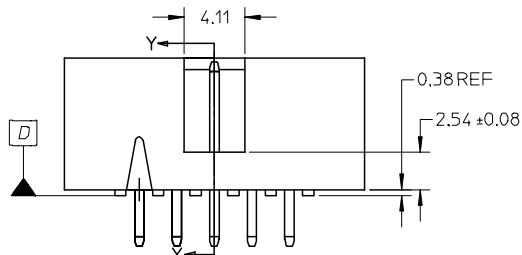
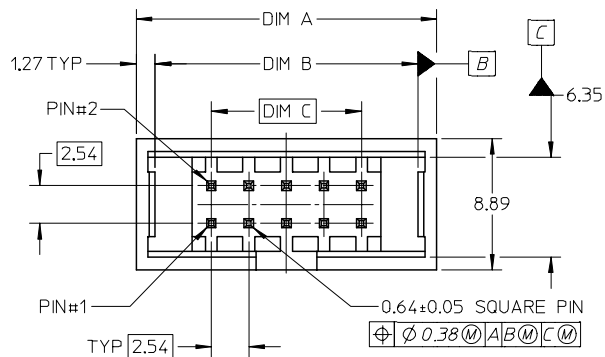
Reference - Drawing Numbers

Packaging Specification	PK-87835-001
Product Specification	PS-70246-100
Sales Drawing	SD-87834-030

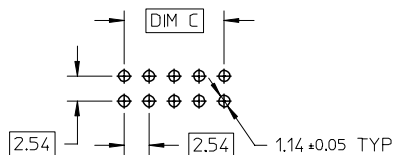
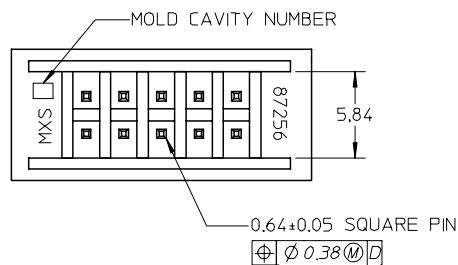
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PART NUMBERS	CKT SIZE	VOIDED PIN LOCATION	DIM A	DIM B	DIM C
87834-3443	34	5	50.80	48.26	40.64
87834-4043	40	20	58.42	55.88	48.26
87834-4143	40	25,27,28	58.42	55.88	48.26



SECTION Y-Y



RECOMMENDED PCB PATTERN

NOTES :

- MATERIAL :-
HOUSING : NYLON (PA), UL94V-0, COLOR: BIEGE.
PIN : COPPER ALLOY.
- FINISH :
TERMINAL : SELECTIVE GOLD IN THE CONTACT,
THICKNESS= 0.38 MICROMETER MINIMUM,
SELECTIVE PURE TIN IN THE PC TAIL AREA,
THICKNESS= 2.54 MICROMETER MINIMUM,
NICKEL UNDERPLATE
- PRODUCT SPECIFICATION PS-70246-100 APPLIES.
- DIMENSIONS FOR PLATING LOCATIONS :
A - MEASURE POINT FOR THICKNESS
B - MINIMUM COVERAGE.
- WAFER TO BE FLAT WITHIN 0.003 MILLIMETER/MILLIMETER
- FOR ILLUSTRATION PURPOSE, A 10 CIRCUIT SIZE IS SHOWN.

ADD MATERIAL NOTE		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO:	DATE			mm	INCH	DRAWN BY	DATE	NTS	METRIC	TITLE	
S2005-0319	2004/12/08			▽=0 ▽=0	4 PLACES	± ---	± ---	RSHAN	2004/01/14	C-GRID, SHROUDED WAFER WITH VOIDED AND W/O END SLOT, POLARIZING PEGS	MOLEX INCORPORATED
DRWN:ATSEE	2004/12/09				3 PLACES	± ---	± ---	CHECKED BY	DATE		
CHKD:SHONG	2004/12/13				2 PLACES	± 0.20	± ---	KCL ING	2004/01/30		
APPR:SKTOH		1 PLACE	± ---		± ---	APPROVED BY	DATE				
			ANGULAR ± 1 °		SKTOH	2004/01/30	MOLEX				
					MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87834-030		1 OF 1		
A1		REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				