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Part Number: [0878341017](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® Header, Dual Row, Low Profile, Vertical, Shrouded, without PCB Locator, without End Window, Gold (Au) Flash, Polyester Housing, 10 Circuits, Lead-free

Documents:

3D Model	Product Specification PS-70246-100 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

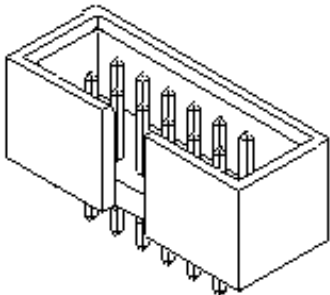
UL	E29179
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General

Product Family	PCB Headers
Series	87834
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid®

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.135 In
PC Tail Length (mm)	3.43 mm
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	75.2
Plating min: Termination (µm)	1.88
Polarized to Mating Part	Center Slot
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55°C to +120°C
Termination Interface: Style	Through Hole



*Series
image - Reference 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
[87834Series](#)

Mates With
.050" pitch ribbon cable connectors

Electrical

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

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-87835-001
Product Specification	PS-70246-100
Sales Drawing	SD-87834-027

This document was generated on 05/25/2010

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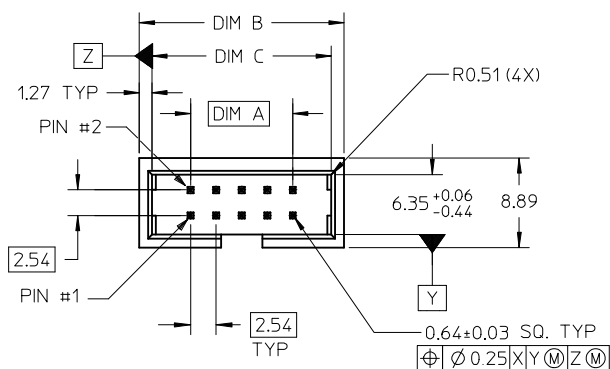
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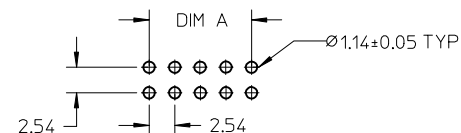
ASSEMBLY P/N	CKT SIZE	DIM A	DIM B	DIM C
87834-1017	10	10.16	20.32	17.78
87834-1417	14	15.24	25.40	22.86
87834-2617	26	30.48	40.64	38.10
87834-3417	34	40.64	50.80	48.26
87834-4017	40	48.26	58.42	55.88
87834-5017	50	60.96	71.12	68.58



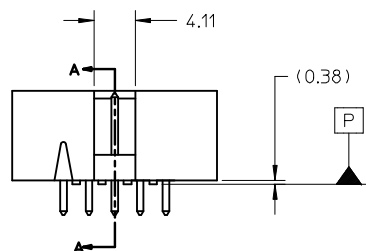
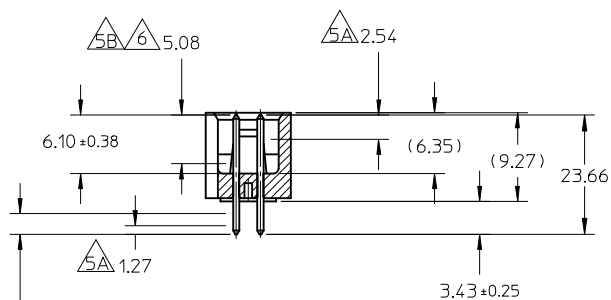
PART NUMBER LEGEND

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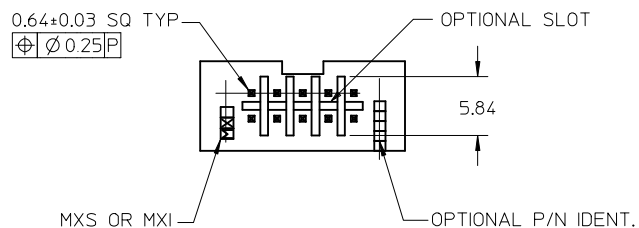
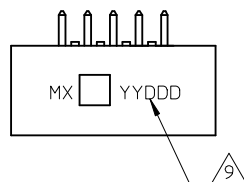
CKT SIZES



RECOMMENDED PCB PATTERN



SECTION A-A



NOTES :

- MATERIAL :
HOUSING : POLYESTER (PBT), UL94V-0, COLOR: BLACK.
PIN : COPPER ALLOY.
- PIN PUSHOUT FORCE 0.91 KG MIN.
- PRODUCT SPECIFICATION PS-70246-100 APPLIES.
- WAFER TO BE FLAT WITHIN 0.03MM/CM
- DIMENSIONS FOR PLATING LOCATIONS : $\triangle A$ - MEASURE POINT FOR THICKNESS.
 $\triangle B$ - MINIMUM COVERAGE.
- $\triangle 6$ GOLD END OF PIN UNLESS OVERALL PLATED.
- FINISH :
GOLD FLASH OVER 0.38 μ m MIN. Pd/Ni IN CONTACT AREA,
AND 1.91 μ m MIN. TIN IN SOLDER AREA,
BOTH OVER 1.27 μ m MIN. NICKEL OVERALL.
- FOR ILLUSTRATION PURPOSE A 10 CKT IS SHOWN.
- OPTIONAL LOCATION FOR MANUFACTURER/YEAR/DAY MARKING IF REQUIRED BY CUSTOMER

CORRECT NOTE 1. EC NO: S2010-0071 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2009/07/27 2009/07/28 2009/07/28	DESCRIPTION	QUALITY SYMBOLS <div>▽=0</div> <div>▽C=0</div>	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 RSHAN CHECKED BY KCLING APPROVED BY SKTOH	DATE 2003/11/21 2003/12/05 2003/12/06	TITLE C-GRID, SHROUDED WAFER SLOTTED, W/O END WINDOWS & POLARIZATION PEGS MOLEX INCORPORATED				
ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87834-027		1 OF 1					
A3	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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