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Part Number:

0878341417

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, 14 Circuits, Lead-free

Documents:

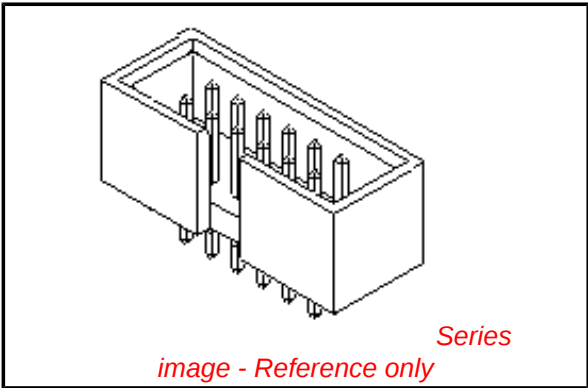
3D Model

Drawing (PDF)

Product Specification PS-70246-100 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
UL	E29179
General	
Product Family	PCB Headers
Series	87834
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid®
Physical	
Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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



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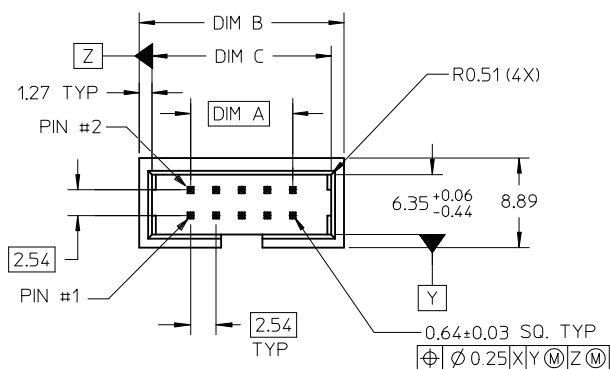
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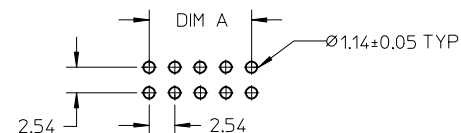
ASSEMBLY P/N	CKT SIZE	DIM A	DIM B	DIM C
87834-1017	10	10.16	20.32	17.78
87834-1417	14	15.24	25.40	22.86
87834-2617	26	30.48	40.64	38.10
87834-3417	34	40.64	50.80	48.26
87834-4017	40	48.26	58.42	55.88
87834-5017	50	60.96	71.12	68.58



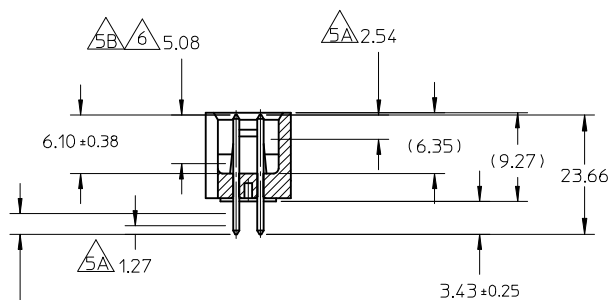
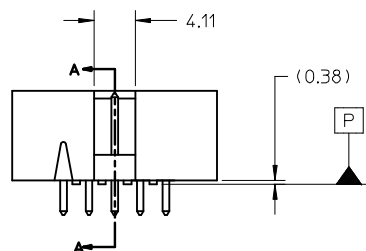
PART NUMBER LEGEND

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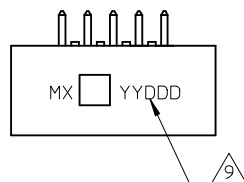
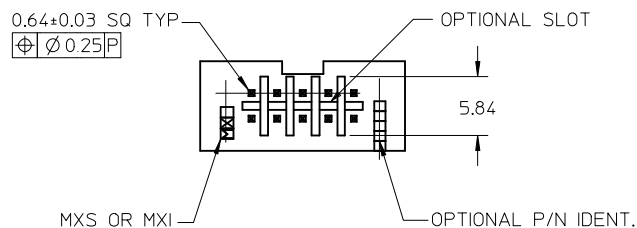
CKT SIZES



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 : 5A - MEASURE POINT FOR THICKNESS.
5B - MINIMUM COVERAGE.
- GOLD END OF PIN UNLESS OVERALL PLATED.
- FINISH :
GOLD FLASH OVER 0.38µm MIN. Pd/Ni IN CONTACT AREA,
AND 1.91µm MIN. TIN IN SOLDER AREA,
BOTH OVER 1.27µm 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	QUALITY SYMBOLS ▽=0 ◻=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE			
				MM ONLY		NTS	METRIC	PROJECTION			
				mm	INCH	DRAWN BY		DATE		TITLE	
				4 PLACES	± --- ± ---	RSHAN		2003/11/21		C-GRID, SHROUDED WAFER	
				3 PLACES	± --- ± ---	CHECKED BY		DATE		SLOTTED, W/O END WINDOWS	
A3	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	2 PLACES	± 0.20 ± ---	KCL ING		2003/12/05		& POLARIZATION PEGS	
				1 PLACE	± --- ± ---	APPROVED BY		DATE			
				ANGULAR ± 3 °		SKTOH		2003/12/06		molex MOLEX INCORPORATED	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				SEE TABLE		SD-87834-027		1 OF 1			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

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