molex
one company > a world of innovation

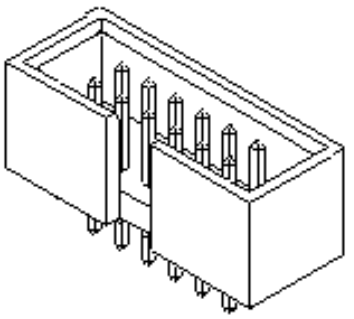
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0878340419
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") Pitch C-Grid® Header, Dual Row, Low Profile, Vertical, Shrouded, 4 Circuits, 0.13µm (5µ") Gold (Au) Plating, Black, without PCBLocator, without End Window, Center Polarization Slot, Lead-free

Documents:

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



Series

image - Reference only

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)	4
Circuits (maximum)	4
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)	5.2
Plating min: Mating (µm)	0.13
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

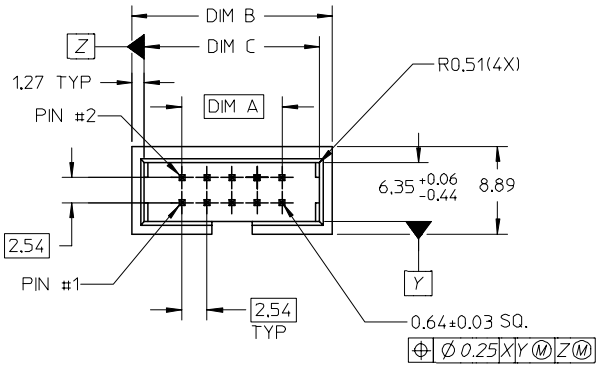
Material Info

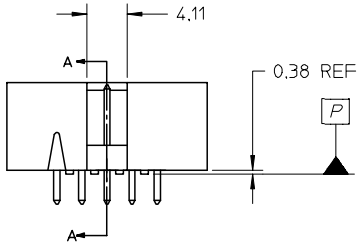
Reference - Drawing Numbers

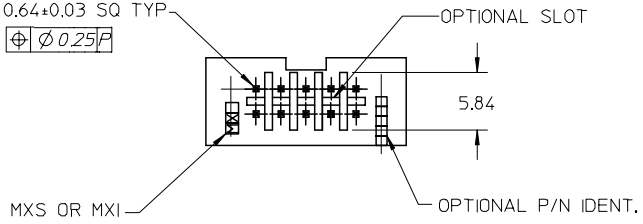
Packaging Specification	PK-87835-001
Product Specification	PS-70246-100
Sales Drawing	SD-87834-025

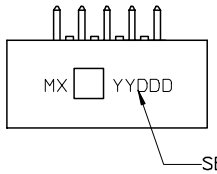
This document was generated on 05/25/2010

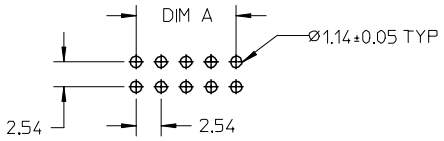
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION









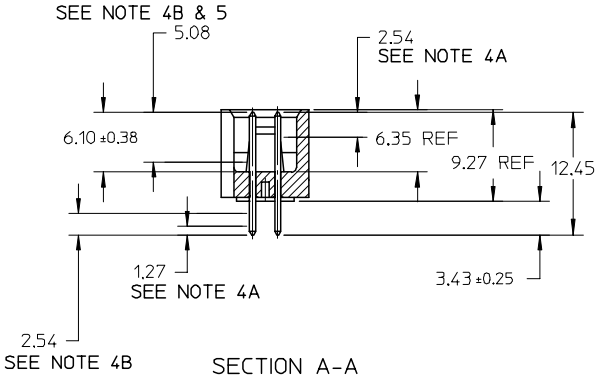


RECOMMENDED PCB PATTERN

PART NUMBER LEGEND

87834 - * * 1 9

CKT SIZES



SECTION A-A

ASSEMBLY P/N	CKT SIZE	DIM A	DIM B	DIM C
87834-0419	04	2.54	12.70	10.16
87834-0619	06	5.08	15.24	12.70
87834-0819	08	7.62	17.78	15.24
87834-1019	10	10.16	20.32	17.78
87834-1219	12	12.70	22.86	20.32
87834-1419	14	15.24	25.40	22.86
87834-1619	16	17.78	27.94	25.40
87834-2019	20	22.86	33.02	30.48
87834-2419	24	27.94	38.10	35.56
87834-2619	26	30.48	40.64	38.10
87834-3019	30	35.56	45.72	43.18
87834-3419	34	40.64	50.80	48.26
87834-4019	40	48.26	58.42	55.88
87834-4419	44	53.34	63.50	60.96
87834-5019	50	60.96	71.12	68.58
87834-5619	56	68.58	78.74	76.20
87834-6019	60	73.66	83.82	81.28
87834-6419	64	78.74	88.90	86.36
87834-7219	72	88.90	99.06	96.52

NOTES :

1. MATERIAL :
   HOUSING : POLYESTER (PBT), UL94V-0, COLOR: BLACK.
   PIN : COPPER ALLOY.
2. PIN PUSHOUT FORCE 0.91 KG MIN.
3. PRODUCT SPECIFICATION PS-70246-100 APPLIES.
4. WAFER TO BE FLAT WITHIN 0.03MM/CM
5. DIMENSIONS FOR PLATING LOCATIONS : A - MEASURE POINT FOR THICKNESS.
   B - MINIMUM COVERAGE.
6. GOLD END OF PIN UNLESS OVERALL PLATED.
7. FINISH :
   0.13um MIN. GOLD IN CONTACT AREA,
   AND 1.9um MIN. TIN IN SOLDER AREA,
   BOTH OVER 1.27um MIN. NICKEL OVERALL.
8. FOR ILLUSTRATION PURPOSE A 10 CKT IS SHOWN.
9. OPTIONAL LOCATION FOR MANUFACTURER/YEAR/DAY MARKING IF REQUIRED BY CUSTOMER

HSG LASER MARKING
EC NO: S2005-0536 2005/01/26
DRWN:YLQIAO 2005/01/26
CH'KD:PTLIM 2005/01/27
APPR:SCLOW
DESCRIPTION
REV
A2

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RSHAN DATE: 2003/11/20
CHECKED BY: KCLING DATE: 2003/12/05
APPROVED BY: SKTOH DATE: 2003/12/06

TITLE: C-GRID, SHROUDED WAFER WINDOW, W/O END SLOTS & POLARIZATION PEGS

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87834-025
SHEET NO.: 1 OF 1

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION