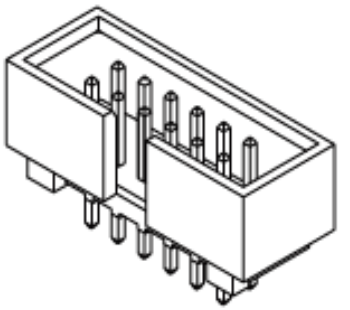
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0702461001
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") Pitch C-Grid® Header, Low Profile, Dual Row, Vertical, Shrouded, 10 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	70246
Application	Wire-to-Board
Overview	cgrid__sl_products
Product Name	C-Grid®

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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
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
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
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)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.90
Polarized to Mating Part	Center Slot
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +120°C

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
70246Series

Mates With
70450 SL™ Crimp Housing, 70058 SL™ Crimp Terminal

Termination Interface: Style	Through Hole

Electrical

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

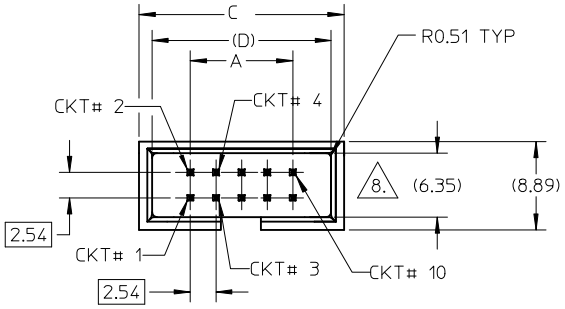
Solder Process Data

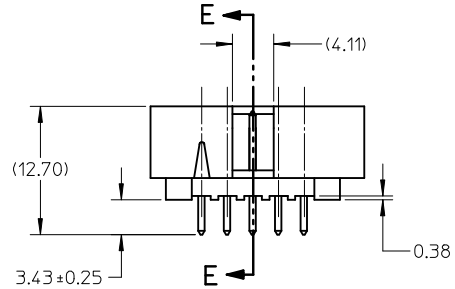
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

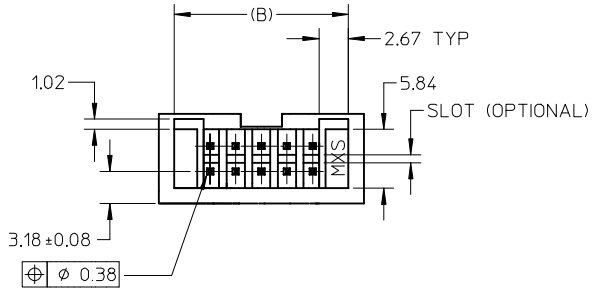
Material Info

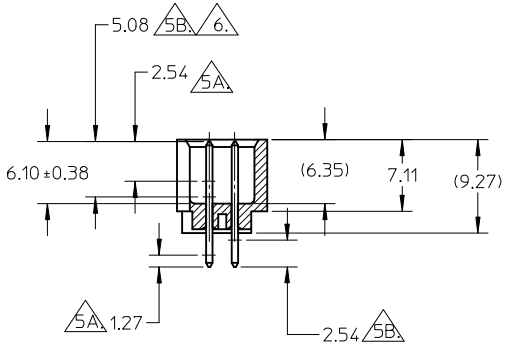
Reference - Drawing Numbers

Packaging Specification	PK-87835-001
Sales Drawing	SDA-70246-**20-25,39

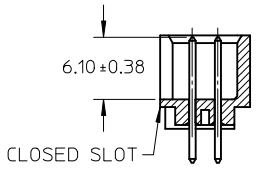






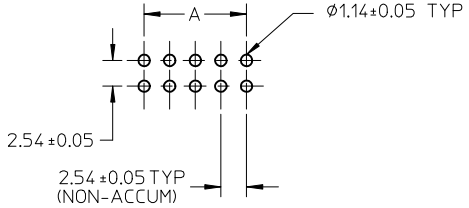


SECTION E-E



MOLEX IRELAND PRODUCTION ONLY

(OPTION)



RECOMMENDED PCB HOLE LAYOUT

NOTES:

1. PIN PUSHOUT FORCE (.9072KG)/2LBS MIN.
2. PIN SOLDERABILITY PER MOLEX SPEC. ES-152.
3. PRODUCT SPEC: PS-70246 APPLIES.
4. WAFER TO BE FLAT WITHIN .003 MM/MM.
5. DIMENSIONS FOR PLATING LOCATION:
   - 5A. MEASURE POINT FOR THICKNESS
   - 5B. MINIMUM COVERAGE
6. GOLD END OF PIN UNLESS OVERALL PLATED.
7. FINISH:
   - 571 : 15 MICRO INCHES MIN GOLD PLATE ON CONTACT AND 75 MICRO INCHES MIN TIN PLATE ON SOLDERTAIL BOTH OVER 50 MICRO INCHES MIN NICKEL OVERALL.
   - 574 : 30 MICRO INCHES MIN GOLD PLATE ON CONTACT AND 75 MICRO INCHES MIN TIN PLATE ON SOLDERTAIL BOTH OVER 50 MICRO INCHES MIN NICKEL OVERALL.
   - 544 : 5 MICRO INCHES MIN GOLD PLATE ON CONTACT AND 75 MICRO INCHES MIN TIN PLATE ON SOLDERTAIL BOTH OVER 50 MICRO INCHES MIN NICKEL OVERALL.
   - 573 : 20 MICRO INCHES MIN GOLD PLATE ON CONTACT AND 100 MICRO INCHES MIN TIN PLATE ON SOLDERTAIL BOTH OVER 50 MICRO INCHES MIN NICKEL OVERALL.
8. DIM AT THE CENTRE OF THE SHROUDED WALL SHALL BE 5.91MM MIN. THIS SPEC IS VALID FOR ALL CKT SIZE.
9. MATERIAL:
   HSG: GLASS FILLED PBT, UL94V-0, COLOUR BLACK
   PIN: 0.64MM SQ. PIN PHOSPHOR BRONZE.

CHANGES TO VOID CKT FOR P/N(70246-1003)
EC NO: S2010-0052 2009/07/24
DRWN:YMCHONG 2009/07/28
CH'KD:ATSEE
APPR:MLONG 2009/07/29
DESCRIPTION
REV
J2

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: JENNIFER DATE: 1987/09/18
CHECKED BY: RWONG DATE: 1987/09/18
APPROVED BY: ALANB DATE: 1987/09/18

TITLE: C-GRID, SHROUDED HEADER (SLOTTED W/O STANDOFFS)

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-70246-**20-25,39-41
SHEET NO.: 1 OF 2
SIZE: A3

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

PART NUMBER	CKT SIZE	VOID CKT	DIM A	DIM B	DIM C	DIM D	VOID CKT, ONLY APPLY TO PLATING CODE
70246-08**	08	-	7.62	14.73	17.78	15.24	-
70246-10**	10	-	10.16	17.27	20.32	17.78	-
70246-12**	12	-	12.70	19.81	22.86	20.32	-
70246-14**	14	-	15.24	22.35	25.40	22.86	-
70246-16**	16	-	17.78	24.89	27.94	25.40	-
70246-20**	20	-	22.86	29.97	33.02	30.48	-
70246-24**	24	-	27.94	35.05	38.10	35.56	-
70246-26**	26	-	30.48	37.59	40.64	38.10	-
70246-30**	30	-	35.56	42.67	45.72	43.18	-
70246-34**	34	-	40.64	47.75	50.80	48.26	-
70246-40**	40	-	48.26	55.37	58.42	55.88	-
70246-44**	44	-	53.34	60.45	63.50	60.96	-
70246-50**	50	-	60.96	68.07	71.12	68.58	-
70246-56**	56	-	68.58	75.69	78.74	76.20	-
70246-60**	60	-	73.66	80.77	83.82	81.28	-
70246-64**	64	-	78.74	85.85	88.90	86.36	-
70246-72**	72	-	88.90	96.01	99.06	96.52	-
70246-25**	26	26	30.48	37.59	40.64	38.10	-
70246-1003	10	10	10.16	17.27	20.32	17.78	571

LEGEND:

70246 - * * * *

CKT SIZE

PLATING OPT.

SEE TABLE FOR DETAIL

⚠ PART NUMBER	PLATING OPTION
70246-**01	571
70246-**02	574
70246-**04	544
70246-**12	573

CHANGES TO VOID CKT FOR P/N(70246-1003)
EC NO: S2010-0052
DRWN:YMCHONG 2009/07/24
CH'KD:ATSEE 2009/07/28
APPR:MLONG 2009/07/29
DESCRIPTION
REV
J2

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: JENNIFER DATE: 1987/09/18
CHECKED BY: RWONG DATE: 1987/09/18
APPROVED BY: ALANB DATE: 1987/09/18
MATERIAL NO.: SEE TABLE

TITLE: C-GRID, SHROUDED HEADER (SLOTTED W/O STANDOFFS)

MOLEX INCORPORATED

DOCUMENT NO.: SDA-70246-**20-25,39-41
SHEET NO.: 2 OF 2

SIZE A3

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