

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0702460802](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® Header, Low Profile, Dual Row, Vertical, Shrouded, 8 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

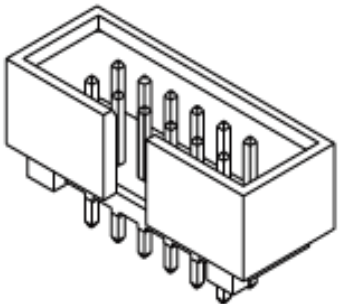
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [70246](#)
Application Wire-to-Board
Overview [cgrid_sl_products](#)
Product Name C-Grid®

Physical

Breakaway No
Circuits (Loaded) 8
Circuits (maximum) 8
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) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 75.2
Plating min: Termination (µm) 1.88
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



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

[70246Series](#)

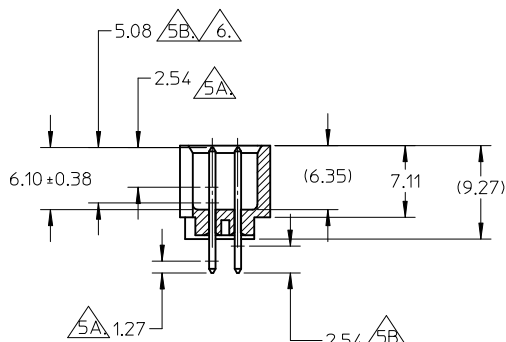
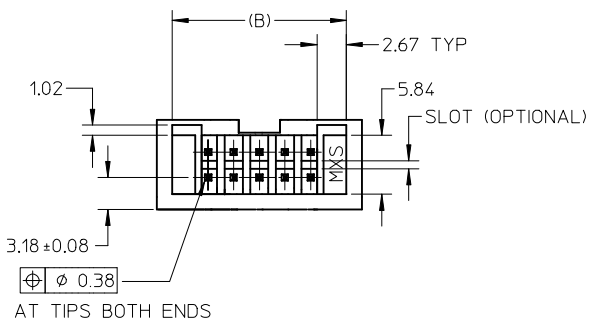
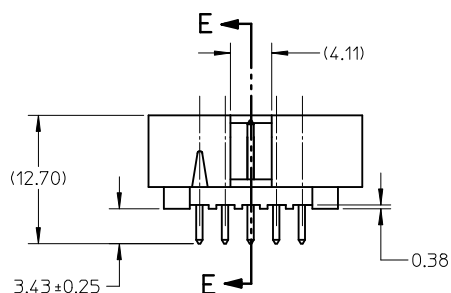
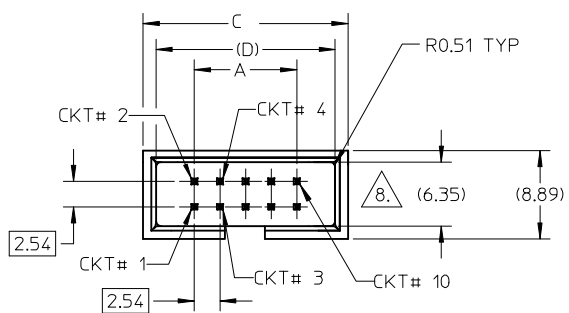
Mates With

[70450 SL™](#) Crimp Housing, [70058 SL™](#)
Crimp Terminal

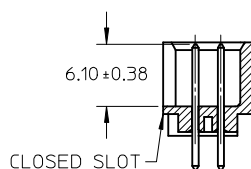
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2.5A
Voltage - Maximum	250V DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-87835-001
Sales Drawing	SDA-70246-**20-25,39

This document was generated on 05/25/2010

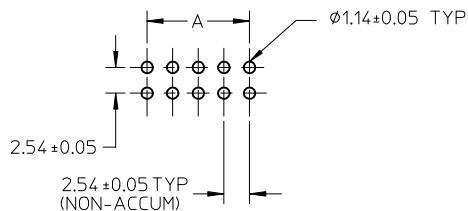
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SECTION E-E



MOLEX IRELAND PRODUCTION ONLY
(OPTION)



RECOMMENDED PCB HOLE LAYOUT

NOTES:

- PIN PUSHOUT FORCE (.9072KG)/2LBS MIN.
- PIN SOLDERABILITY PER MOLEX SPEC. ES-152.
- PRODUCT SPEC: PS-70246 APPLIES.
- WAFER TO BE FLAT WITHIN .003 MM/MM.
- DIMENSIONS FOR PLATING LOCATION:
 - 5A MEASURE POINT FOR THICKNESS
 - 5B MINIMUM COVERAGE
 - 6. GOLD END OF PIN UNLESS OVERALL PLATED.
- FINISH:
 - 571 : 15 MICRO INCHES MIN GOLD PLATE ON CONTACT AND 75 MICRO INCHES MIN TIN PLATE ON SOLDER TAIL 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 SOLDER TAIL 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 SOLDER TAIL 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 SOLDER TAIL BOTH OVER 50 MICRO INCHES MIN NICKEL OVERALL.
- DIM AT THE CENTRE OF THE SHROUDED WALL SHALL BE 5.91MM MIN. THIS SPEC IS VALID FOR ALL CKT SIZE.
- 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
DRWN:YMCHEONG 2009/07/24
CHKD:ATSEE 2009/07/28
APPR:MLONG 2009/07/29

QUALITY SYMBOLS
▽=0
C=0
DESCRIPTION
REV

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

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

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	

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

MOLEX INCORPORATED

DOCUMENT NO. SDA-70246-**-20-25,39-41

SHEET NO. 1 OF 2

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

	10		9		8		7		6	5	4	3	2	1											
	PART NUMBER	CKT SIZE	VOID CKT	DIM A	DIM B	DIM C	DIM D	VOID CKT, ONLY APPLY TO PLATING CODE																	
F	70246-08**	08	-	7.62	14.73	17.78	15.24	-	LEGEND: 70246 - * * * * CKT SIZE PLATING OPT. SEE TABLE FOR DETAIL <table><tr><td>△ PART NUMBER</td><td>PLATING OPTION</td></tr><tr><td>70246-**01</td><td>571</td></tr><tr><td>70246-**02</td><td>574</td></tr><tr><td>70246-**04</td><td>544</td></tr><tr><td>70246-**12</td><td>573</td></tr></table>							△ PART NUMBER	PLATING OPTION	70246-**01	571	70246-**02	574	70246-**04	544	70246-**12	573
	△ PART NUMBER	PLATING OPTION																							
	70246-**01	571																							
	70246-**02	574																							
	70246-**04	544																							
70246-**12	573																								
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	-																		
E	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	-																	
D	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	-																	
C	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																	
B																									
A																									

CHANGES TO VOID CKT FOR P/N 70246-1003 EC NO: S2010-0052	DRWN: YCHONG 2009/07/24
	CHKD: ATSEE 2009/07/28
	APPR: MLONG 2009/07/29
	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	C-GRID, SHROUDED HEADER (SLOTTED W/O STANDOFFS)		
CHECKED BY RWONG	DATE 1987/09/18			
APPROVED BY ALANB	DATE 1987/09/18			
MATERIAL NO. SEE TABLE		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			

fb_frame_A3_P_AM_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1
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CHANGES TO VOID CKT FOR
P/N(70246-1003)
EC NO: S2010-0052

2009/07/24
DRWN:YCHONG

2009/07/28
CHKD:ATSEE

2009/07/29
APPR:MLONG

QUALITY SYMBOLS

▽=0

▽=0

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
JENNIFER	1987/09/18
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MATERIAL NO.

SEE TABLE

SIZE
A3

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SCALE

NTS

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

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

DOCUMENT NO.

SDA-70246-**20-25,39-41

SHEET NO.

2 OF 2

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