

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0907092601

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch, C-Grid® Header, Dual Row, Low Profile, Right Angle, Shrouded, 26 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

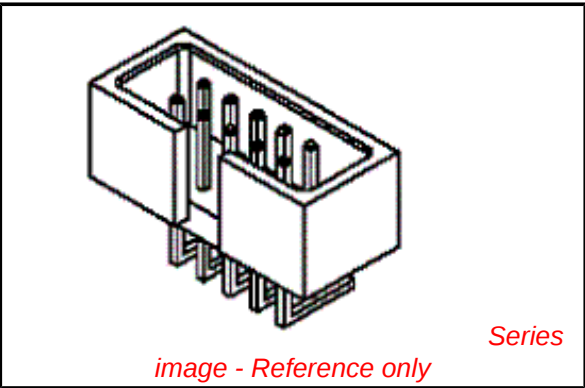
Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	90709
Application	Wire-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid®
Physical	
Breakaway	No
Circuits (Loaded)	26
Circuits (maximum)	26
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	Polyester
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.120 In
PC Tail Length (mm)	3.05 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
Plating min: Mating (µin)	15.2
Plating min: Mating (µm)	0.38
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
Temperature Range - Operating	-55°C to +120°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2.5A



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

90709Series

Mates With

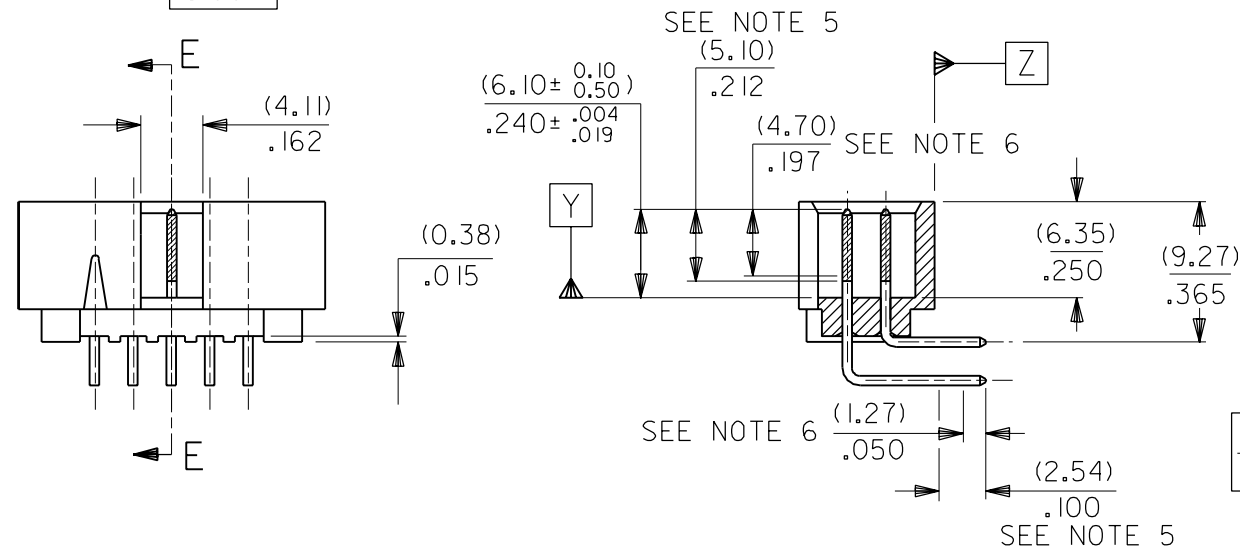
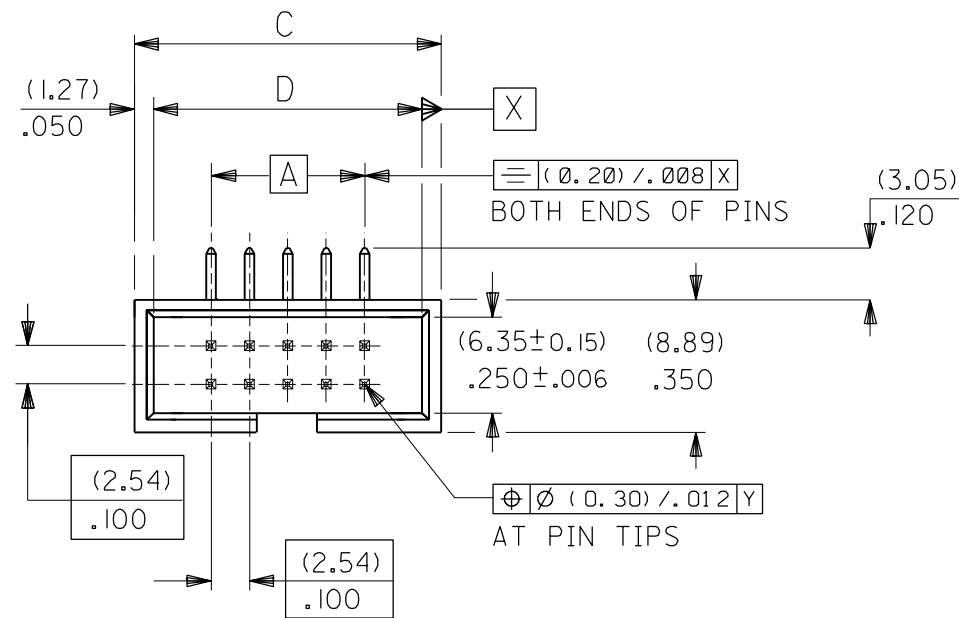
70058 SL™ Female Crimp Terminal

Voltage - Maximum	250V
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SDA-90709

This document was generated on 05/26/2010

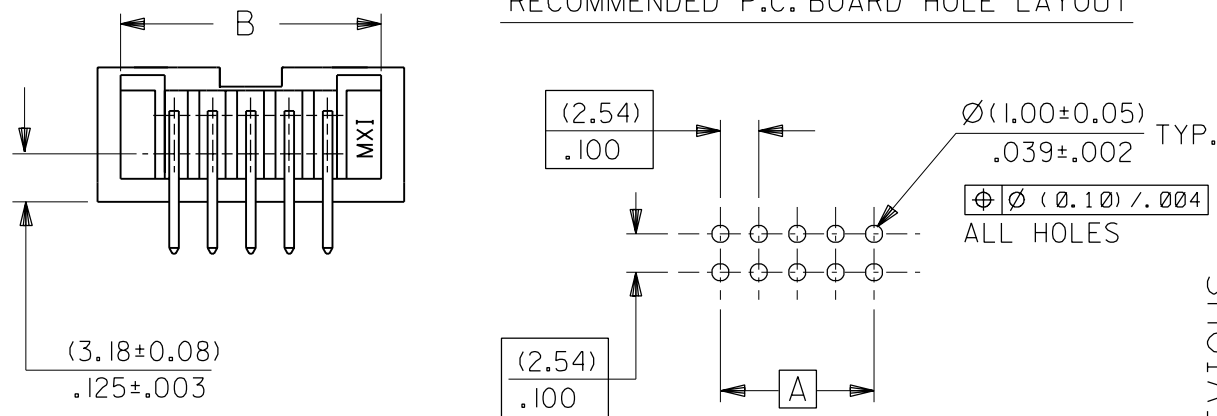
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PART NO.
SEE CHART
DWG. NO.
SDA-90709



SECTION E-E

RECOMMENDED P.C. BOARD HOLE LAYOUT



FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

LEAD FREE CONVERSION
EC No. E2004-0792
DRWN: PSHEAHAN 04/02/17
CHK/K:
APPR:

REVISIONS
LTR

THIRD ANGLE PROJECTION		POB	
DIMENSIONS SHOWN (METRIC) INCH		DRWG BY	
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°		CHK'D BY	
INCH (METRIC)		APP'D BY	
3 PLACE ± .010		SCALE	
2 PLACE ± .	± 0.25	2 : 1	
1 PLACE	±		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DESIGN DIMENSION (PRIMARY)	☒ (MM) □ IN.		
EQUIVALENT DIMENSION (SECONDARY)	□ (MM) ☒ IN.		

NOTES:

- MATERIALS: WAFER; 15% GLASS FILLED PBT, 94V-0, PINS; (0.635)/.025 SQ BRASS WIRE.
- PIN SOLDERABILITY PER MOLEX SPEC. ES-152
- PIN PUSHOUT FORCE (.9072KG)/2LBS MIN.
- WAFER TO BE FLAT WITHIN (0.03MM/CM)/.003IN/IN
- THESE DIMENSIONS DEFINE THE MINIMUM COVERAGE FOR PLATING.
- THESE DIMENSIONS DEFINE THE MEASURING POINT FOR PLATING THICKNESS.
- FINISH (PER ES-88):
 - 90709-***1: GOLD PLATE (0.38um)/15uin MIN. IN SELECTED AREA. (TYPE 587) TIN PLATE (1.9um)/75uin MIN. IN SELECTED AREA. OVER (1.3um)/50uin MIN. NICKEL OVERALL.
 - 90709-***2: GOLD PLATE (0.76um)/30uin MIN. IN SELECTED AREA. (TYPE 599) TIN PLATE (1.9um)/75uin MIN. IN SELECTED AREA. OVER (1.3um)/50uin MIN. NICKEL OVERALL.
 - 90709-***3: GOLD PLATE (0.10um)/5uin MIN. IN SELECTED AREA. (TYPE 608) TIN PLATE (1.9um)/75uin MIN. IN SELECTED AREA. OVER (1.3um)/50uin MIN. NICKEL OVERALL.

PRE-RELEASE
REFERENCE
USE ONLY

PART NUMBER	CIRCUIT SIZE	DIM A	DIM B	DIM C	DIM D
90709-100*	10	(10.16) 0.400	(17.27) 0.680	(20.32) 0.800	(17.78) 0.700
90709-140*	14	(15.24) 0.600	(22.35) 0.880	(25.40) 1.000	(22.86) 0.900
90709-160*	16	(17.78) 0.700	(24.89) 0.980	(27.94) 1.100	(25.40) 1.000
90709-200*	20	(22.86) 0.900	(29.97) 1.180	(33.02) 1.300	(30.48) 1.200
90709-260*	26	(30.48) 1.200	(37.59) 1.480	(40.64) 1.600	(38.10) 1.500
90709-300*	30	(35.56) 1.400	(42.67) 1.680	(45.72) 1.800	(43.18) 1.700
90709-340*	34	(40.64) 1.600	(47.75) 1.880	(50.80) 2.000	(48.26) 1.900
90709-400*	40	(48.26) 1.900	(55.37) 2.180	(58.42) 2.300	(55.88) 2.200
90709-500*	50	(60.96) 2.400	(68.07) 2.680	(71.12) 2.800	(68.58) 2.700
90709-600*	60	(73.66) 2.900	(80.77) 3.180	(83.82) 3.300	(81.28) 3.200
90709-640*	64	(78.74) 3.100	(85.85) 3.380	(88.90) 3.500	(86.36) 3.400

REVISE ONLY ON CAD SYSTEM		SH.	REV.
CAD/CAM FILENAME SA90709X1 DGN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
TITLE (2.54)/.100 R/A DUAL ROW LOW PROFILE SHROUDED HEADER ASSEMBLY			
MOLEX* MOLEX EUROPE		SHEET NO. 10F1	DATE 91/10/01
PART NO. SEE CHART	DWG NO. SDA-90709	SIZE B	