

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0901483391

Status:

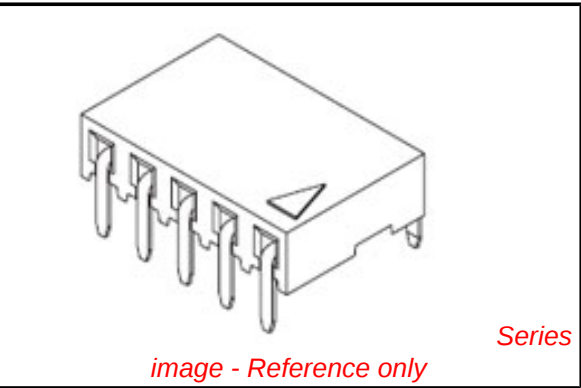
Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch C-Grid® PC Board Connector, Single Row, Right Angle, 0.8µm (30µ") Gold (Au) Selective, 3 Circuits



Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Receptacles
Series	90148
Application	Board-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid III™

Physical	
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.114 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	N/A
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
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)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No

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

90148Series

Mates With

C-Grid III™ Header 90120 , 90121

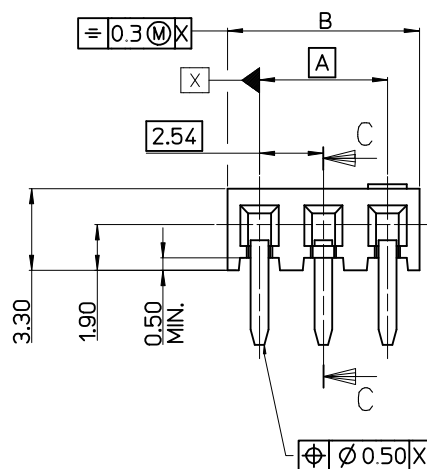
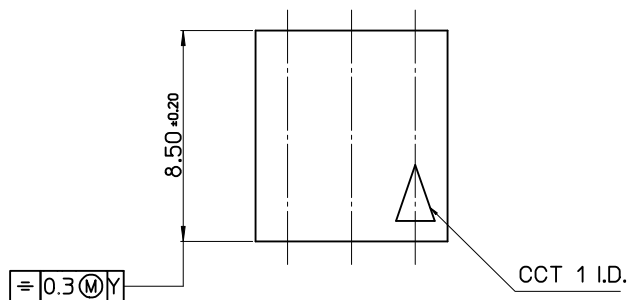
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3A
Grounding to PCB	No
Voltage - Maximum	350V AC/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Sales Drawing	RSD-90148-001

This document was generated on 05/24/2010

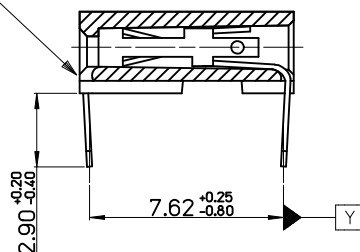
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NON-STANDARD PRODUCT

PART NO.	POLARISED CCT NO.	NO.OF CKTS.	DIM. A	DIM. B ± 0.30	NO. PER TUBE
90148-3391	2	3	5.08	7.62	72



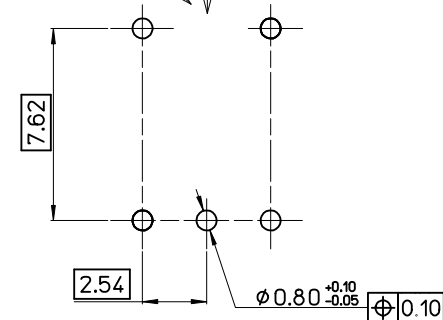
POLARISATION VOIDED CCT ON HSG.
(PIN-IN SIDE)



SECTION C-C SHOWING
POLARISED CCT

POLARISATION VOIDED
CCT ON P.C.B.
(PIN-IN SIDE)

PIN INSERTION TO HOUSING
FROM THIS SIDE



RECOMMENDED P.C. BOARD HOLE
PATTERN FOR STRAIGHT PINS
WITH POLARISATION

NOTES:

- CONTACT - PHOSPHOR BRONZE.
- HOUSING - POLYESTER (PBT), 15% GLASS FILL, UL 94 V-0. COLOUR: BLACK.
- PLATING - 1.27 TO 1.78 μ m NICKEL OVERALL, 0.76 TO 1.0 μ m GOLD ON CONTACT AREA (OVER NICKEL). 3 TO 5 μ m TIN ON SOLDER TAILS (OVER NICKEL).
- FOR 0.635 SQ. MALE PINS THE LENGTH MUST BE 5.65 MIN AND 7.00 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.
- PARTS NOT STACKABLE.

REV	DESCRIPTION	DATE	BY	CHKD	APPR
B	REMOVED COLOUR	2007/03/29	DRW:DBYRNES	2007/03/29	2007/04/04

QUALITY SYMBOLS
▽=0
◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.20	± ---
1 PLACE ± ---	± ---
ANGULAR $\pm 2^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
DWASZKIEWICZ	2007/01/22
CHECKED BY	DATE
D. MORIARTY	
APPROVED BY	DATE
J. DENNEHY	
MATERIAL NO.	
SEE CHART	
SIZE	A3

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
NON-STANDARD C-GRID III SINGLE ROW HORIZONTAL P.C. BOARD CONNECTOR		
MOLEX INCORPORATED		
DOCUMENT NO.	RSD-90148-001	SHEET NO.
		1 OF 1
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