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Part Number: [0015453572](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 72 Circuits

Documents:

[3D Model](#) [Product Specification PS-71395 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [71395](#)
 Application Board-to-Board
 Overview [cgrid_sl_products](#)
 Product Name C-Grid®

Physical

Circuits (Loaded) 72
 Color - Resin Black
 Durability (mating cycles max) 50
 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 High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PC Tail Length (in) 0.058 In
 PC Tail Length (mm) 1.47 mm
 PCB Locator Yes
 PCB Retention Yes
 Packaging Type Tray
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Plating min: Mating (µin) 15
 Plating min: Mating (µm) 0.375
 Plating min: Termination (µin) 75
 Plating min: Termination (µm) 1.875
 Polarized to PCB No
 Surface Mount Compatible (SMC) N/A
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 2.5A
 Grounding to PCB No
 Voltage - Maximum 250V



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
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

[71395Series](#)

Mates With

[8624](#) C-Grid® Breakaway Header, [70246](#) Straight Header, [70247](#) Right Angle Header, [70287](#) C-Grid® Header, [70227](#) Dual Row C-Grid® Header, [70567](#) C-Grid® Header, [70280](#) C-Grid® Breakaway Header, [70524](#) C-Grid® Breakaway Header, [Z](#)

Solder Process Data

Lead-free Process Capability
Process Temperature max. C

Reflow Capable (SMT only)
260

Material Info

Old Part Number

71395-0172

Reference - Drawing Numbers

Application Specification

AS-71395-001

Packaging Specification

PK-70873-0662

Product Specification

PS-71395

Sales Drawing

SDA-71395-0***

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RECOMMENDED P.C. BOARD LAYOUT
SCALE: 4:1

SECTION B-B

- VERSION WITH PCB RETENTION PEGS -

- NOTES:
- HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER; UL 94V-0. COLOR: BLACK
 - TERMINAL MATERIAL: PHOSPHOR BRONZE
 - SEE SHEET 2 FOR CIRCUIT SIZES AND OVER-ALL DIMENSIONS.
 - SEE PRODUCT SPEC. PS-71395 FOR PERFORMANCE CRITERIA.
 - STANDARD PACKAGING PER PK-70873-0662 (TRAY PACK)

ADD SMT DIM & TOL EC NO: UCP2008-1594 DRAWN:DMORGAN 2008/04/04 CHKD:HS IBARRA 2008/04/22 APPR:SMILLER 2008/04/22	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		mm	INCH	MM/IN	DATE	10:1	INCH		
REV	DESCRIPTION	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE		
		3 PLACES	± ---	± .010	CHECKED BY	DATE	CONNECTOR DUAL ROW VERTICAL SURFACE MOUNT TOP ENTRY ON .100 GRID		
K	REV	2 PLACES	± 0.25	± .014	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		
		1 PLACE	± 0.35	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		SEE CHART		SDA-71395-0***		1 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

2	J
1	K
SHT	REV

Table with columns: NO. OF CKTS., TIN PLATING, 15 GOLD PLATING, 30 GOLD PLATING, DIM. "A", DIM. "B", DIM. "C". Rows 1-40.

PLATING:
TIN (3.75 MICROMETER)/150 MICROINCH MINIMUM TIN OVER
15 GOLD (0.37 MICROMETER)/15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
30 GOLD (0.75 MICROMETER)/30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA;
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".

- VERSION WITH PCB RETENTION PEGS -

Technical drawing header including dimensions, tolerances, revision table, and title block with MoLEX logo and part number SDA-71395-0.