

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0015453628](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch C-Grid® PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 28 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) 28  
 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) 30  
 Plating min: Mating (µm) 0.75  
 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](mailto: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

71395-0228

**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

- 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)

- VERSION WITH PCB RETENTION PEGS -

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) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± 1/2°	DIMENSION STYLE MM/IN DRAWN BY DATE CHECKED BY DATE RB 12/03/1985 APPROVED BY DATE	SCALE 10:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE CONNECTOR DUAL ROW VERTICAL SURFACE MOUNT TOP ENTRY ON .100 GRID
	MATERIAL NO. SEE CHART	MOLEX INCORPORATED	DOCUMENT NO. SDA-71395-0***	SHEET NO. 1 OF 2	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

2	J
1	K
SHT	REV

