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Part Number: [0015453510](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 10 Circuits

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

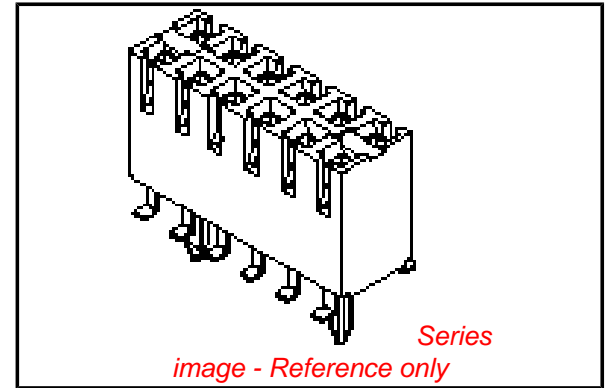
Product Family PCB Receptacles
 Series [71395](#)
 Application Board-to-Board
 Overview [cgrid_sl_products](#)
 Product Name C-Grid®

Physical

Circuits (Loaded) 10
 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

A713950110

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

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 (1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.
15 GOLD (0.37 MICROMETER)/15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; (1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER (1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.
30 GOLD (0.75 MICROMETER)/30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; (1.88 MICROMETER)/75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER (1.25 MICROMETER)/50 MICROINCH MINIMUM NICKEL OVERALL.

*THE PRIMARY SHIPPING CARTON WILL BE LABELED *COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC*. CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

- VERSION WITH PCB RETENTION PEGS -

Technical drawing details including dimensions, tolerances, revision table, and title block information for Molex Connector SDA-71395-0.