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Part Number: [0015445130](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 30 Circuits

Documents:

3D Model	Product Specification PS-70181 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	71850
Application	Board-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid®

Physical

Circuits (Loaded)	30
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	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)	0.120 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)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.875
Polarized to PCB	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability	SMC & Wave Capable (TH only)
Process Temperature max. C	260

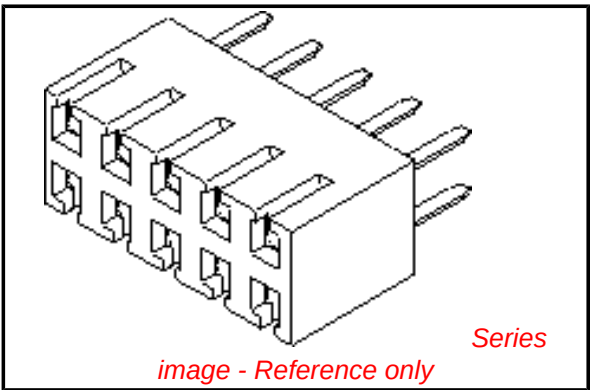


image - Reference only

Series

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
[71850Series](#)

Mates With
[8624](#) , [70203](#) , [70246](#) Straight Header,
[70247](#) Right Angle Header, [70287](#) , [70289](#)
 , [70227](#) , [70567](#) , [70280](#) , [70524](#) , [70260](#) ,
[8723](#) , [70568](#) , [8724](#) , [71764](#) , [70229](#) , [70216](#)
 , [71308](#)

Material Info

Old Part Number 71850-0206

Reference - Drawing Numbers

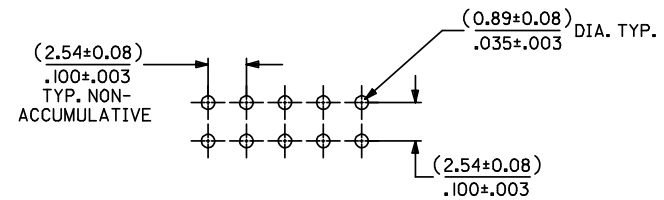
Packaging Specification PK-70873-0660
Product Specification PS-70181
Sales Drawing SDA-71850-0***

This document was generated on 05/31/2010

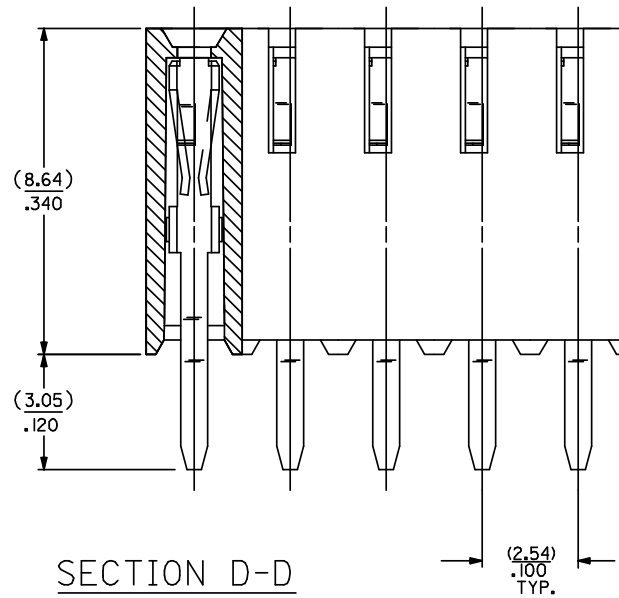
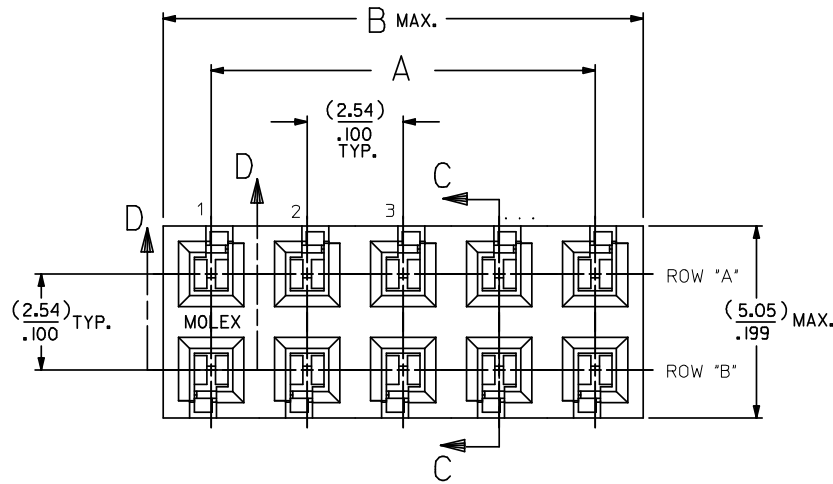
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NOTES:

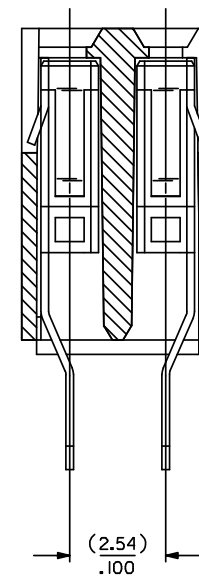
1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK.
TERMINAL MATERIAL: PHOSPHOR BRONZE
2. FINISHES: SEE CHART SHEET 2.
3. REFER TO PRODUCT SPECIFICATION PS-70181.
4. PACKAGING IN TRAYS PER PK-70873-0660.
5. SEE SHEET 2 FOR CIRCUIT SIZES AND OVERALL DIMENSIONS.
6. RECOMMENDED PCB THICKNESS (1.37-1.80)/.054-.071.
7. PART COMPLIES WITH CLASS C REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



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



SECTION D-D



SECTION C-C

REMOVE 71850-0232 EC NO: UCP2009-0115 DRWNG: GAVILL 2008/07/22 CHKD: HK/PPR 2008/07/25 APPR: FSM/TH 2008/07/28				DESCRIPTION ▽=0 ▽=0	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	TITLE SALES VERTICAL MOUNT DUAL ROW HIGH TEMP .100 X .100 PC GRID MOLEX INCORPORATED	
E2	REV				mm	INCH	DRAWN BY SKL	DATE 1988/02/29	MATERIAL NO. SEE TABLE DOCUMENT NO. SDA-71850-0*** SHEET NO. 1 OF 2						
		4 PLACES	± ---		± ---	CHECKED BY MJM	DATE 1988/02/29								
		3 PLACES	± ---		± .005	APPROVED BY	DATE								
		2 PLACES	± 0.13		± .010	WAZ	1988/02/29								
		1 PLACE	± 0.25		± ---	ANGULAR ±1/2°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

