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**Part Number:** 15-44-5816  
**Status:** Active  
**Overview:** C-Grid® / SL™ Products  
**Description:** 2.54mm Pitch C-Grid® Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 16 Circuits

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)

[Product Specification PS-70181 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980  
UL E29179

General

Product Family PCB Receptacles  
Series 71850  
Application Board-to-Board, Signal  
Overview C-Grid® / SL™ Products  
Product Name C-Grid®

Physical

Circuits (Loaded) 16  
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 3.05mm  
PCB Locator No  
PCB Retention None  
PCB Thickness - Recommended 1.57mm  
Packaging Type Tray  
Pitch - Mating Interface 2.54mm  
Plating min - Mating 0.381µm  
Plating min - Termination 1.905µm  
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

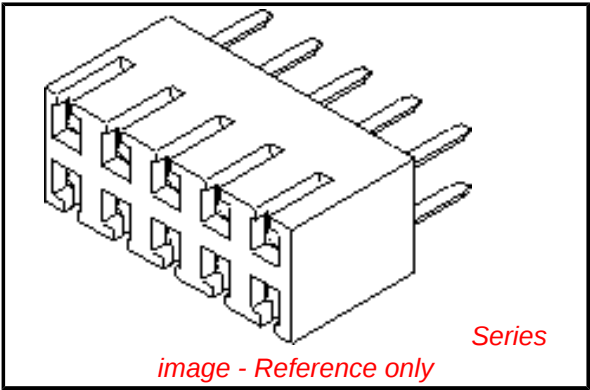
Solder Process Data

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

Material Info

Old Part Number A718500135

Reference - Drawing Numbers



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**



**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**  
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

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