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**Part Number:** [14-56-7181](#)  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version D, Back Ribs, Wire Size 22 AWG, 3.81µm Tin/Lead (SnPb), 18 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-70400 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Ribbon Cable / Wire Trap Connectors  
 Series [70400](#)  
 Comments Terminals Preloaded  
 Component Type Housing  
 Glow-Wire Compliant No  
 Overview [C-Grid® Products](#)  
 Product Name SL™  
 UPC 800753989023

**Physical**

Circuits (Loaded) 18  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Entry Angle Vertical  
 Flammability 94V-0  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester Alloy  
 Net Weight 2.891/g  
 Number of Rows 1  
 PCB Retention None  
 Packaging Type Tube  
 Pitch - Mating Interface 2.54mm  
 Plating min - Mating 3.810µm  
 Plating min - Termination 1.905µm  
 Polarized to Mating Part Yes  
 Stackable Yes  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style IDT or Pierce  
 Wire Insulation Diameter 1.35mm max.  
 Wire Size AWG 22  
 Wire/Cable Type Discrete Wire, Ribbon Cable

**Electrical**

Current - Maximum per Contact 3A  
 Voltage - Maximum 250V

**Material Info**

Old Part Number A-70400-3086



image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**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**

[70400Series](#)

**Mates With**

[SL™ 70004 Interim Clip \(Single Row\)](#),  
[70013 Interim Clip \(Dual Row\)](#)

**Use With**

[7307 Tinned 28AWG](#), [7767 Topcoat 28AWG](#), [24241 Tinned 26AWG](#), [8996 Topcoat 26AWG](#), [24226 Tinned 24AWG](#), [8997 Topcoat 24AWG](#), [24369 High Flex 26AWG](#), [24389 High Flex 24AWG](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

## Reference - Drawing Numbers

Product Specification  
Sales Drawing

PS-70400  
SDA-70400-3070-3093

|  |                   |
|--|-------------------|
| Ribbon Cable Tool Kit, Press Not Included                              | <u>0622016600</u> |
| Hawk™ Ribbon Cable Terminator without Break-off                        | <u>0623003000</u> |
| Hawk™ Ribbon Cable Terminator with Break-off                           | <u>0623005300</u> |
| IDT - Semi-automatic - Bench-Top Terminator                            | <u>0011200949</u> |
| Hawk™ Semi-Automatic Discrete Wire Terminator                          | <u>0623003100</u> |
| Hawk™ Semi-Automatic Discrete Wire Terminator for Rebuilt CE Approved* | <u>0623004900</u> |
| Hawk™ Flat Flex Cable Terminator with Break-off                        | <u>0623005200</u> |
| IDT Discrete Handtool Module   | <u>0621000700</u> |

This document was generated on 06/27/2013

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