

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

**Part Number:** **14-56-3178**  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch SL™ Insulation Displacement Connector Assembly, Female, Single Row, Version C, Front Ribs, Wire Size 28 AWG, 0.38µm Gold (Au), 17 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 800753984486

**Physical**

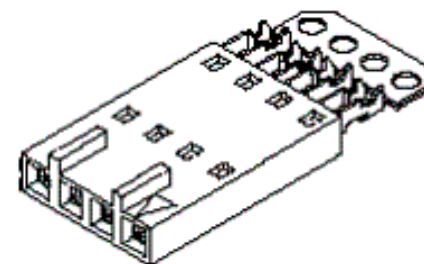
Circuits (Loaded) 17  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 Entry Angle Vertical  
 Flammability 94V-0  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester Alloy  
 Number of Rows 1  
 PCB Retention None  
 Packaging Type Tube  
 Pitch - Mating Interface 2.54mm  
 Plating min - Mating 0.381µm  
 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 28  
 Wire/Cable Type Discrete Wire, Ribbon Cable

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Not Reviewed**

**Low-Halogen 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**

[70400Series](#)

**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 #                  |
|-------------------------------------------------|----------------------------|
| Ribbon Cable Tool Kit, Press Not Included       | <a href="#">0622016600</a> |
| Hawk™ Ribbon Cable Terminator without Break-off | <a href="#">0623003000</a> |

Product Specification  
Sales Drawing

PS-70400  
SDA-70400-0911-0934

|                                                                                                         |                                        |
|---------------------------------------------------------------------------------------------------------|----------------------------------------|
| Hawk™ Ribbon<br>Cable Terminator<br>with Break-off<br>IDT - Semi-automatic<br>- Bench-Top<br>Terminator | <u>0623005300</u><br><u>0011200949</u> |
| Hawk™ Semi-<br>Automatic Discrete<br>Wire Terminator                                                    | <u>0623003100</u>                      |
| Hawk™ Semi-<br>Automatic Discrete<br>Wire Terminator<br>for Rebuilt CE<br>Approved*                     | <u>0623004900</u>                      |
| Hawk™ Flat Flex<br>Cable Terminator<br>with Break-off<br>IDT Discrete                                   | <u>0623005200</u><br><u>0621000700</u> |
| Handtool Module                                                                                         |                                        |

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