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Part Number:

0685610023

Status:

Active

Overview:

serial\_ata\_products

Description:

1.27mm (.050") Pitch Serial ATA Power Latching Harness-to-Pigtail, IDT, 1.50m (4.92' ) Length, 0.76µm (30µ") Gold (Au), 3.3V+5V+12V, Leadfree

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Cable Assemblies

Series

68561

Connector to Connector

Serial ATA-to-Pigtail

Overview

serial\_ata\_products

Product Name

Serial ATA

Physical

Cable Length

1.50m (4.92' )

Circuits (Loaded)

5

Gender

Female-Pigtail

Lock to Mating Part

Yes

Material - Metal

Stainless Steel

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Packaging Type

Bag

Pitch - Mating Interface (in)

0.050 In

Pitch - Mating Interface (mm)

1.27 mm

Plating min: Mating (µin)

30.4

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

75

Plating min: Termination (µm)

1.875

Single Ended

Yes

Termination Interface: Style

IDT or Pierce

Wire Insulation Diameter

N/A

Wire Size AWG

18

Wire/Cable Type

PVC

Electrical

Current - Maximum per Contact

1.5A

Impedance

100 ohms

Shielded

No

Voltage - Maximum

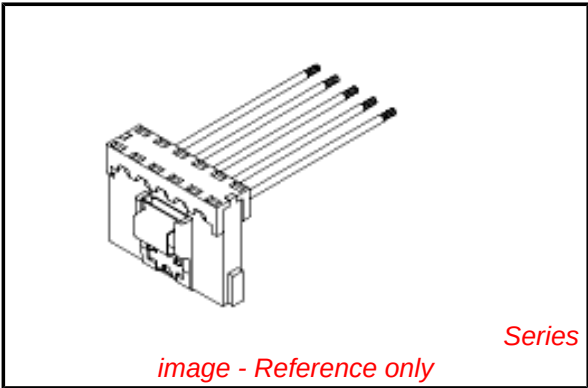
40V

Material Info

Reference - Drawing Numbers

Sales Drawing

SD-68561-005



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](mailto:productcompliance@molex.com)

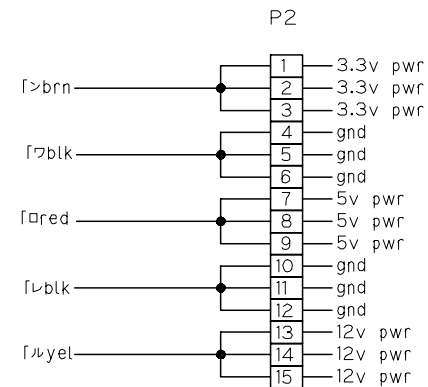
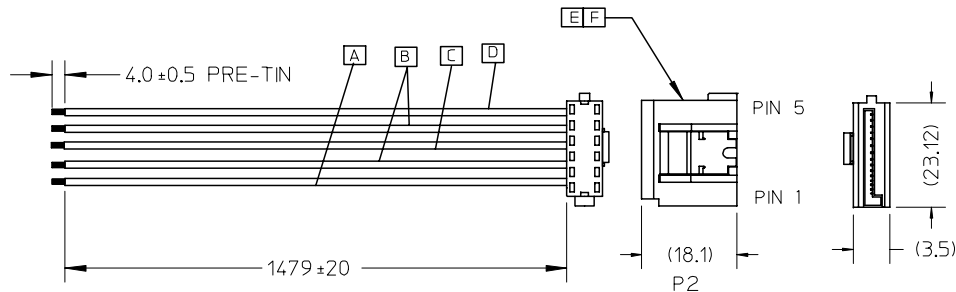
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

68561Series

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NOTE: 1. ELECTRIC PERFORMANCE:  
DIELECTRONIC STRENGTH: 500 V DC.  
INSULATION RESISTANCE :100 MOHS MIN.  
CONDUCTIVE RESISTANCE :2 OHMS MAX.  
2. S-ATA HOUSING:  
PLOYESTER(PBT), UL94V-0(BLACK)

|              |             |                             |
|--------------|-------------|-----------------------------|
| 68561-0023   | 679260002   | 30u" Gold - plated terminal |
| 68561-0022   | 679260001   | Gold flash terminal         |
| MATERIAL NO. | S-ATA CONN. | DESCRIPTION                 |

|      |                          |     |       |
|------|--------------------------|-----|-------|
| F    | COVER 679260040          | 1   |       |
| E    | S-ATA CONN. : SEE TABLE  | 1   |       |
| D    | UL1007 #18 BRN 887711305 | 1   | 1485  |
| C    | UL1007 #18 RED 887711301 | 1   | 1485  |
| B    | UL1007 #18 BLK 887711300 | 2   | 2970  |
| A    | UL1007 #18 YEL 887711303 | 1   | 1485  |
| ITEM | DESCRIPTION              | QTY | L(mm) |

|                                                                                       |  |                                 |  |                                       |       |                            |                                                            |                     |                          |                                                                                   |                                                                                                                                  |  |                              |  |
|---------------------------------------------------------------------------------------|--|---------------------------------|--|---------------------------------------|-------|----------------------------|------------------------------------------------------------|---------------------|--------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|
| ENTER DESCRIPTION<br>EC NO: DG2005-0009<br>DRWN:GXYANG<br>CHKD:<br>APPR:BOCHEN<br>REV |  | QUALITY SYMBOLS<br><br>=0<br>=0 |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE<br>MM ONLY |                                                            | SCALE<br>---        | DESIGN UNITS<br>METRIC   | THIRD ANGLE<br>PROJECTION                                                         |                                                                                                                                  |  |                              |  |
|                                                                                       |  |                                 |  |                                       |       | mm                         | INCH                                                       | DRAWN BY<br>GX YANG | DATE<br>04/08/10         | TITLE<br>S-ATA IDT POWER LATCHING<br>TO PIGTAIL CABLE ASS'Y<br>1.5M (3.3V+5V+12V) |                                                                                                                                  |  |                              |  |
|                                                                                       |  |                                 |  | 4 PLACES                              | ± --- | ± ---                      | CHECKED BY<br>TEDDY                                        | DATE<br>04/08/10    |                          |                                                                                   |                                                                                                                                  |  |                              |  |
|                                                                                       |  |                                 |  | 3 PLACES                              | ± --- | ± ---                      | APPROVED BY<br>BORON                                       | DATE<br>04/08/10    | MOLEX MOLEX INCORPORATED |                                                                                   |                                                                                                                                  |  |                              |  |
|                                                                                       |  |                                 |  | 2 PLACES                              | ± --- | ± ---                      | MATERIAL NO.<br>685610022/3                                |                     |                          |                                                                                   |                                                                                                                                  |  | DOCUMENT NO.<br>SD-68561-005 |  |
|                                                                                       |  |                                 |  | 1 PLACE                               | ± --- | ± ---                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                     | SIZE<br>A4               |                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                              |  |
|                                                                                       |  |                                 |  | ANGULAR ± ---°                        |       |                            |                                                            |                     |                          |                                                                                   |                                                                                                                                  |  |                              |  |
|                                                                                       |  |                                 |  |                                       |       |                            |                                                            |                     |                          |                                                                                   |                                                                                                                                  |  |                              |  |