



Part Number : 2181120704

Series Number : 218112

Product Category : Power and Signal Cable Assemblies

Product Description : PicoBlade Female-to-Pigtail Off-the-Shelf (OTS) Cable Assembly, Single Row, 425.00mm Length, 7 Circuits, Natural

Status : Active

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## Documents & Resources

### Drawings

Drawing 2181120704\_sd.pdf

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## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### EU RoHS Certificate of Compliance

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## Part Details

## General

|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                           |
| Category               | Power and Signal Cable Assemblies                                                                                |
| Series                 | 218112                                                                                                           |
| Description            | PicoBlade Female-to-Pigtail Off-the-Shelf (OTS) Cable Assembly, Single Row, 425.00mm Length, 7 Circuits, Natural |
| Application            | Signal, Wire-to-Board, Wire-to-Wire                                                                              |
| Assembly Configuration | Single Ended Connector                                                                                           |
| Connector to Connector | PicoBlade-to-Pigtail                                                                                             |
| Product Family         | PicoBlade Connector System                                                                                       |
| Product Name           | PicoBlade                                                                                                        |
| Type                   | Discrete Wire Assembly                                                                                           |
| UPC                    | 195842250772                                                                                                     |

## Physical

|                                |                 |
|--------------------------------|-----------------|
| Cable Length                   | 425.00mm        |
| Circuits (Loaded)              | 7               |
| Circuits (maximum)             | 7               |
| Color - Resin                  | Natural         |
| Gender                         | Female-Pigtail  |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Net Weight                     | 4.143/g         |
| Number of Rows                 | 1               |
| Overmolded                     | No              |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface       | 1.25mm          |
| Plating min - Mating           | 0.889µm         |
| Plating min - Termination      | 0.914µm         |
| Single Ended                   | Yes             |

|                             |                      |
|-----------------------------|----------------------|
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type             | UL 1061              |
| Wire Insulation Diameter    | 0.50-1.00mm          |
| Wire Size (AWG)             | 28                   |

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## Mates With / Use With

### Mates with Part(s)

|                                                             |              |
|-------------------------------------------------------------|--------------|
| Description                                                 | Part Number  |
| PicoBlade Vertical, Single Row,<br>Through Hole Headers     | <u>53047</u> |
| PicoBlade Right-Angle, Single Row,<br>Through Hole Headers  | <u>53048</u> |
| PicoBlade Right-Angle, Single Row,<br>Surface Mount Headers | <u>53261</u> |
| PicoBlade Vertical, Single Row,<br>Surface Mount Headers    | <u>53398</u> |
| PicoBlade Single Row Plug<br>Housings                       | <u>51047</u> |