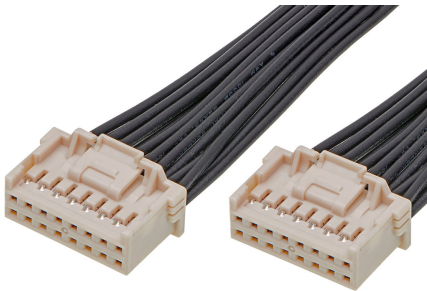




**Part Number :** [2219551163](#)  
**Product Description :** iGrid-to-iGrid Off-the-Shelf (OTS) Cable Assembly, Dual Row, 300.00mm Length, 16 Circuits, Natural  
**Series Number :** 221955  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies




## Documents & Resources

**Drawings**  
[2219551163\\_sd.pdf](#)

## 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(2024)4144-DC (27 June 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

## Part Details

### General

|                        |   |
|------------------------|---|
| Status                 | Active  |
| Category               | Power and Signal Cable Assemblies   |
| Series                 | 221955  |
| Description            | iGrid-to-iGrid Off-the-Shelf (OTS)<br>Cable Assembly, Dual Row,<br>300.00mm Length, 16 Circuits,<br>Natural |
| Application            | Signal, Wire-to-Board   |
| Assembly Configuration | Dual Ended Connectors   |
| Connector to Connector | iGrid-to-iGrid  |
| Product Name           | iGrid   |
| Type                   | Discrete Wire Assembly  |
| UPC                    | 196823290213  |

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 2.0A             |
| Voltage - Maximum             | 250V AC (RMS)/DC |

### Physical

|                                |              |
|--------------------------------|--------------|
| Cable Length                   | 300.00mm     |
| Circuits (Loaded)              | 16           |
| Circuits (maximum)             | 16           |
| Color - Resin                  | Natural      |
| Gender                         | Male-Male    |
| Lock to Mating Part            | Yes          |
| Material - Metal               | Copper Alloy |
| Material - Plating Mating      | Tin          |
| Material - Plating Termination | Tin          |
| Material - Resin               | Nylon        |
| Net Weight                     | 22.977/g     |
| Number of Rows                 | 2            |
| Overmolded                     | No           |
| Pitch - Mating Interface       | 2.00mm       |

|                             |                      |
|-----------------------------|----------------------|
| Single Ended                | No                   |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type             | UL 10002             |
| Wire Insulation Diameter    | 1.50mm               |
| Wire Size (AWG)             | 22                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                       | Part Number   |
|---|---------------|
| iGrid Vertical, Dual Row, Through Hole Headers    | <u>501645</u> |
| iGrid Vertical, Dual Row, Through Hole Headers    | <u>503091</u> |
| iGrid Right-Angle, Dual Row, Through Hole Headers | <u>501876</u> |
| iGrid Right-Angle, Dual Row, Through Hole Headers | <u>208659</u> |