



**Part Number :** [2164001062](#)  
**Product Description :** Mega-Fit Female-to-Mega-Fit Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, Tin Plated, 6 Circuits, Black  
**Series Number :** 216400  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies



Documents & Resources

Drawings  
[2164001062\\_sd.pdf](#)

3D Models and Design Files  
[2164001062\\_stp.zip](#)

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)6225-DC (07 Nov 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

## Part Details

### General

|                        |                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Status                 | Active                                                                                                                            |
| Category               | Power and Signal Cable Assemblies                                                                                                 |
| Series                 | 216400                                                                                                                            |
| Description            | Mega-Fit Female-to-Mega-Fit Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, Tin Plated, 6 Circuits, Black |
| Application            | Power, Wire-to-Board, Wire-to-Wire                                                                                                |
| Assembly Configuration | Dual Ended Connectors                                                                                                             |
| Connector to Connector | Mega-Fit-to-Mega-Fit                                                                                                              |
| Product Name           | Mega-Fit                                                                                                                          |
| Type                   | Discrete Wire Assembly, High-Power Assembly                                                                                       |
| UPC                    | 193264735990                                                                                                                      |

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 25.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

### Physical

|                                |                          |
|--------------------------------|--------------------------|
| Cable Length                   | 300.00mm                 |
| Circuits (Loaded)              | 6                        |
| Circuits (maximum)             | 6                        |
| Color - Resin                  | Black                    |
| Gender                         | Female-Female            |
| Lock to Mating Part            | Yes                      |
| Material - Metal               | High Conductivity Copper |
| Material - Plating Mating      | Tin                      |
| Material - Plating Termination | Tin                      |
| Material - Resin               | Nylon                    |
| Net Weight                     | 96.545/g                 |

|                             |                      |
|-----------------------------|----------------------|
| Number of Rows              | 1                    |
| Overmolded                  | No                   |
| Packaging Type              | Bag                  |
| Pitch - Mating Interface    | 5.70mm               |
| Single Ended                | No                   |
| Termination Interface Style | Crimp or Compression |
| Wire/Cable Type             | UL 1015              |
| Wire Insulation Diameter    | 4.06mm max.          |
| Wire Size (AWG)             | 12                   |

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## Mates With / Use With

### Mates with Part(s)

| Description                       | Part Number   |
|-----------------------------------|---------------|
| Mega-Fit Single Row Headers       | <u>200241</u> |
| Mega-Fit Single Row Plug Housings | <u>213814</u> |
| Mega-Fit Single Row Plug Housings | <u>213815</u> |