



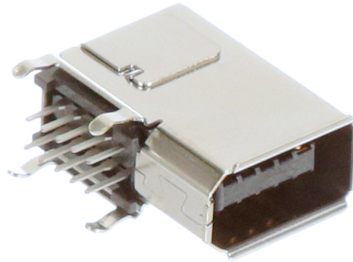
Part Number : [554451029](#)

Product Description : 2.00mm Pitch I/O PCB Receptacle, Upright-Style, Phosphor Bronze Shell, 10 Circuits

Series Number : 55445

Status : Active

Product Category : I/O Connectors



Documents & Resources

Drawings

[554451029_sd.pdf](#)

3D Models and Design Files

[554451029_stp.zip](#)

Specifications

[554459200-200.pdf](#)

[554450000-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| EU ELV | Not Relevant |
| Low-Halogen Status | 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 | I/O Connectors |
| Series | 55445 |
| Description | 2.00mm Pitch I/O PCB Receptacle, Upright-Style, Phosphor Bronze Shell, 10 Circuits |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Product Name | 2.00mm I/O Connectors |
| Type | N/A |
| UPC | 191128174824 |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Shielded | Yes |
| Voltage - Maximum | 125V |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 6139.148/mg |
| Number of Rows | 2 |

| | |
|-------------------------------|---------------|
| Orientation | Right Angle |
| Packaging Type | Tray |
| Panel Mount | No |
| PC Tail Length | 3.00mm |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 2.00mm |
| Plating min - Mating | 0.305µm |
| Plating min - Termination | 1.016µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Through Hole |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|------------------|
| 2.00mm Pitch I/O Hand Soldering Type Plug Set, Black Cover, 10 Circuits | <u>545991016</u> |
| 2.00mm Pitch I/O Hand Soldering Type Plug Set, Gray Cover, 10 Circuits | <u>545991019</u> |
| 2.00mm Pitch I/O Hand Soldering Type Plug Set, Black Cover, 10 Circuits | <u>545991026</u> |