



Part Number : 554451029

Series Number : 55445

Product Category : I/O Connectors

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

Status : Active

Documents & Resources

Drawings

Drawing 554451029_sd.pdf

3D Models and Design Files

3D Model 554451029_stp.zip

Specifications

Packaging Specification 554459200-200.pdf

Product Specification 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

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 Family	2.00mm I/O Connectors
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>