



Part Number : 2051002000

Product Description : Centrality 8.00mm Right-Angle Socket Assembly, 3.80mm Solder Tails, with +/-1.00mm Self-alignment Capability, Tray

Series Number : 205100

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

[Drawing 2051002000_sd.pdf](#)

[Packaging Design Drawing 2051002000-PK-000.pdf](#)


Specifications

[Application Specification 2204090000-AS-000.pdf](#)

[Product Specification 2204090000-PS-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)

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	205100
Description	Sentrality 8.00mm Right-Angle Socket Assembly, 3.80mm Solder Tails, with +/-1.00mm Self-alignment Capability, Tray
Application	Board-to-Board, Busbar-to-Board, Power
Comments	Current and voltage performances are dependent upon application variables.
Component Type	PCB Receptacle
Product Family	Sentrality Pin and Socket Interconnect System
Product Name	Sentrality
UPC	196823680120

Electrical

Current - Maximum per Contact	200.0A
Voltage - Maximum	1000V

Physical

Breakaway	No
Circuits (Loaded)	1
Circuits (maximum)	1
Diameter	8.00mm
Durability (mating cycles max)	200
Glow-Wire Capable	No
Guide to Mating Part	Yes
Height Above Board	25.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Silver

Mating Orientation	Side-entry
Net Weight	28.693/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tray
PCB Retention	None
Pitch - Mating Interface	N/A
Polarized to Mating Part	No
Polarized to PCB	Yes
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Pin-in-Paste Reflow

Mates With / Use With

Mates with Part(s)

Description	Part Number
Sentrality Pins	<u>203263</u>