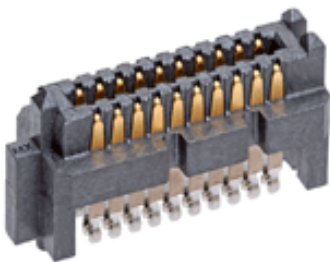




Part Number : [465561745](#)
Product Description : Searay Slim Plug, 40
Circuits, 7.00mm Unmated Height, 4 Rows,
with Pegs, Solder Charge Lead-Free
Series Number : 46556
Status : Active
Product Category : Board-to-Board
Connectors



Documents & Resources

Drawings
[465561745_sd.pdf](#)
[PK-45970-002-001.pdf](#)

3D Models and Design Files
[465561745_stp.zip](#)
[EE-45970-010-010.pdf](#)
[SP-45970-010-010.zip](#)
[SYM-46556-1745-001.zip](#)

Specifications
[AS-45970-001-001.pdf](#)
[AS-45970-002-001.pdf](#)
[AS-45970-990-001.pdf](#)
[PS-45970-001-001.pdf](#)
[TS-45970-001-001.pdf](#)
[TS-45970-002-001.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)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
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	209311
Description	Mirror Mezz Hermaphroditic Connector, 2.50mm Connector Height, BGA-Attach Mounting, 15 Pair, 11 Row, 688 Circuits, 0.76µm Gold (Au) Plating, with Pegs
Application	Board-to-Board
Component Type	PCB Header
Product Name	Mirror Mezz
UPC	191130509140

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	0.75A (1 Oz Cu Trace), 1.2A (2 Oz Cu Trace)
Voltage - Maximum	30V AC (RMS)/DC

Physical

Breakaway	No
-----------	----

Circuits (Loaded)	688
Circuits (maximum)	688
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	No
Mated Height	5.00mm
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.360/g
Number of Rows	11
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	1.50mm, 4.00mm
Plating min - Mating	0.762μm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	BGA Solder

Solder Process Data

Max-Duration	20
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mirror Mezz Hermaphroditic Connectors	<u>209311</u>
Mates With	This is a hermaphroditic, self-mating part.