



**THE DATASHEET OF**  
**0459713515**





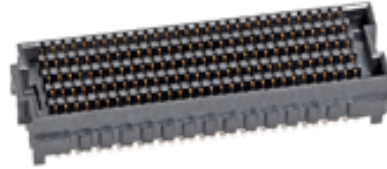
Part Number : [459713515](#)

Product Description : 1.27mm Pitch, SEARAY Receptacle, 300 Circuits, 8.00mm Unmated Height, 10 Rows, with Pegs, Solder Charge Lead-Free

Series Number : 45971

Status : Active

Product Category : Board-to-Board Connectors



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## Documents & Resources

### Drawings

[459713515\\_sd.pdf](#)

[PK-45971-002-001.pdf](#)

### 3D Models and Design Files

[459713515\\_stp.zip](#)

[EE-45970-010-010.pdf](#)

[SP-45970-010-010.zip](#)

[SYM-45971-3515-001.zip](#)

### Specifications

[AS-45970-001-001.pdf](#)

[AS-45970-002-001.pdf](#)

[AS-45970-990-001.pdf](#)

[PS-45970-001-001.pdf](#)

[PS-45970-002-001.pdf](#)

[TS-45970-001-001.pdf](#)

[TS-45970-002-001.pdf](#)

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## 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

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### Part Details

#### General

Status	Active
Category	Board-to-Board Connectors
Series	45971
Description	1.27mm Pitch, SEARAY Receptacle, 300 Circuits, 8.00mm Unmated Height, 10 Rows, with Pegs, Solder Charge Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	SEARAY
UPC	756054924716

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	2.7A
Grounding to PCB	No
Voltage - Maximum	240V AC

#### Physical

Circuits (Loaded)	300
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Circuits (maximum)	300
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.562/g
Number of Rows	10
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Stackable	No
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Surface Mount
Unmated Height	8.00mm

### Solder Process Data

Max-Duration	3
Lead-Free Process Capability	REFLOW
Max-Cycle	1

Max-Temp	260
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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
1.27mm Pitch, SEARAY Plugs	<u>45970</u>

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Click below to explore more details on WIN SOURCE:

 [View 0459713515 on WIN SOURCE](#)

 [Molex, LLC Information](#)

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-  Shortage Management
-  Alternative Solution
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