

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0520188846](#)  
**Status:** **Active**  
**Overview:** Magnetic and Modular Jacks/Plugs  
**Description:** Modular Jack, Right-Angle, Inverted, 8/8, 1.27µm Gold (Au) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-52018-003-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification SPK-52018-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-52018-002 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E107635

**General**

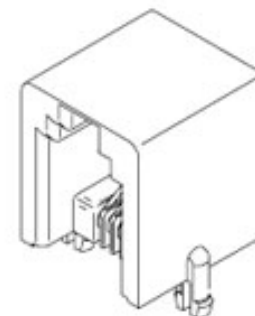
Product Family	Modular Jacks/Plugs
Series	<a href="#">52018</a>
Comments	Inverted
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">Magnetic and Modular Jacks/Plugs</a>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	Modular Jack 8/8, RJ45
UPC	822348178117

**Physical**

Color - Resin	Gray
Durability (mating cycles max)	200
Flammability	94V-0
Inverted / Top Latch	Yes
Jack Height	14.50mm
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	1900.400/mg
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.02mm
Plating min - Mating	1.270µm
Plating min - Termination	1.016µm
Port Configuration	1x1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +80°C
Termination Interface: Style	Through Hole
Wire/Cable Type	N/A

**Electrical**

Current - Maximum per Contact	1.2A
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[52018 Series](#)

**Mates With**

FCC 68 Plugs

Shielded  
Voltage - Maximum

No  
1000V

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification  
Product Specification  
Sales Drawing

SPK-52018-001-001  
PS-52018-002, PS-52018-003-001  
SD-52018-001-001

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