

# Circular Connectors

## JAE Circular Connectors

Technology to Inspire Innovation



### JN1 Series general purpose waterproof miniature connectors

All plastic, waterproof to IP67. Twisting locking mechanism.

#### Specifications

Current rating : 5 amps (4 Pin) or 3 amps (10 Pin) per contact.

Dielectric withstanding voltage : 2000VAC (4 Pin) or 900VAC (10 Pin) r.m.s. for one minute.

Insulation resistance : 1000 MΩ min. Operating temperature : -20 °C to +125 °C. Applicable wire size: # 20, # 21-25, # 26-28.

RoHS Compliance per JAE documentation.

#### Plug

- Front & Rear insulator : Synthetic resin, spring & spring pin :

Stainless steel, socket contact : copper alloy/Gold plating

(10 Pins) or silver plating (4 Pins)



Fig.	Number	Price ₪	Mfr's	No. of Contacts	Contact Size	Description
<b>Panel Mount</b>						
A	6J56 5986	—	JN1AS04MK1	4	20 AWG	Pin with Solder Through Hole Pin
A	6J56 5987	—	JN1AS10UL1	10	22 AWG	
<b>Straight Plugs</b>						
B	6J56 5327	—	JN1DS04FK1	4	20 AWG	Socket with Soldering Crimp Socket Crimp Socket
B	6J56 5328	—	JN1DS10SL1	10	22 AWG	
B	6J56 5329	—	JN1DS10SL2	10	22 AWG	
<b>Right Angle Plug</b>						
C	6J56 5321	—	JN1FS10SL2	10	22 AWG	R/A Plug, 6.5 mm to 8.0 mm dia.

#### Receptacle

- Pin insulator : Synthetic resin

- Pin contact : Copper alloy/Gold plating (10 Pins) or silver plating (4 Pins)

\* Right angle plug can be mated in 4 different directions by rotating the connector 90 degrees.

#### Contact

Number	Price ₪	Mfr's	Description
6J56 6894	—	JN1-22-22S-10000	Socket contact type #22 for wire sizes 21-25 AWG

#### Tool

Number	Price ₪	Mfr's	Description
6J56 6528	—	CT150-2-JN1-B	Hand crimp tool

### JN2 Series general purpose waterproof miniature connectors

Similar to our JN1 series except that the outer shell has been reinforced with a zinc alloy for extra ruggedness.

This connector meets IP67 waterproof rating.

#### Specifications

Current rating : 5 amps (4 Pin) or 3 amps (10 Pin) per contact. RoHS Compliance per JAE documentation. Dielectric withstanding voltage : 2000VAC (4 Pin) or 900VAC (10 Pin) r.m.s. for one minute. Insulation resistance : 1000 MΩ min. , Operating temperature : -20 °C to +100 °C, Applicable wire size : # 20, # 21-25, # 26-28

Fig.	Number	Price ₪	Mfr's	No. of Contacts	Contact Size	Description
<b>Panel Mount</b>						
A	6J56 3690	—	JN2AS10UL1-R	10	22 AWG	Through-Hole pin
<b>Straight Plugs</b>						
B	6J56 5468	—	JN2DS04FK1-R	4	20 AWG	Socket with soldering Crimp socket Crimp socket
B	6J56 5469	—	JN2DS10SL1-R	10	22 AWG	
B	6J56 5470	—	JN2DS10SL2-R	10	22 AWG	
<b>Angle Plug</b>						
C	6J56 3698	—	JN2FS10SL1-R	10	22 AWG	Crimp socket Crimp socket
C	6J56 3699	—	JN2FS10SL2-R	10	22 AWG	

#### Plug

- Front & Rear insulator : Synthetic resin

- Spring pin : Stainless steel

- Socket contact : Copper alloy/Gold plating (10 Pins) or silver plating (4 Pins)

#### Receptacle

- Pin insulator : Synthetic resin

- Pin contact : Copper alloy/Gold plating (10 Pins) or silver plating (4 Pins)