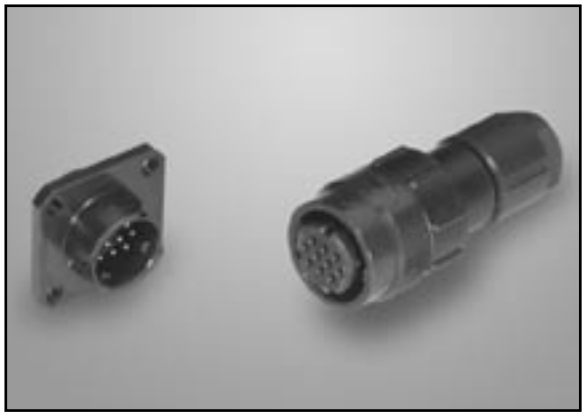
JN2 SERIES CONNECTORS

General Purpose Waterproof, Miniature Connectors



The JN2 is 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.

GENERAL SPECIFICATIONS

Number of Contacts	4, 10	
Current Rating	5 Amps (4 pin) 3 Amps (10 pin) per contact	
Dielectric Withstanding Voltage	2000 VAC (4 pin) 900 VAC (10 pin) r.m.s. for one minute	
Insulation Resistance	1000 megohms min.	
Contact Resistance	Contact Size	Milliohms max
	#21 -24	20
	#25 - 26	26
	#28	36
Operating Temperature	-20°C to +100°C	
Applicable Wire Size	#20, #21-25, #26-28	

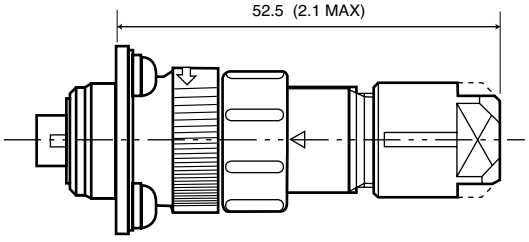
FEATURES

- Shell has been reinforced with Zinc Alloy
- Waterproof to IP67
- Twist locking mechanism
- Right angle plug can be mated in four different directions by rotating the connector 90 degrees
- Uses the JN1 contact

MATERIALS AND FINISHES*

Description	Materials/Finishes
•Receptacle	
Pin Insulator	Synthetic resin
Shell	Zinc spelter die-cast/ Zinc plating
Pin Contact	Copper Alloy/ Gold plating (10 pins) Silver plating (4 pins)
•Plug	
Front Insulator	Synthetic resin
Rear Insulator	Synthetic resin
Coupling Nut	Zinc spelter die-cast/ Zinc plating (Black)
Assembly Nut	Zinc spelter die-cast/ Zinc plating (Black)
Angle endbell	Synthetic resin
Straight endbell	Synthetic resin
O Ring	Synthetic rubber
Bushing	Synthetic rubber (Color: black/gray)
Gland Nut	Synthetic resin
Spring	Stainless Steel
Spring pin	Synthetic resin
Socket contact	Copper alloy/Gold plating (10 pins) Silver plating (4 pins)

Connector Profile (Ref.)



• Please consult JAE for verification of product availability.

Dimensions in mm (inches).

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ORDERING INFORMATION

• Receptacle/Plug

JN2 * * * * * * * *

Series
Connector type
- A – Panel mount
- D – Straight plug
- F – Angle Plug

Shell Size
- S – connection outer dia. (10 dia. to 15 dia.)

No. of Contacts
- 04 – 4 pins
- 10 – 10 pins

Connection Method
- U – Through-hole pin
- M – Pin with solder
- S – Crimp socket
- F – Socket with soldering

Contact size
- K – #20
- L – #22

Modify Cable Diameter
- 1 – 5.7mm (.224") to 7.3mm (.287") diameter
- 2 – 6.5mm (.256") to 8.0mm (.315") diameter

Mating key type
- None – Normal
- X – Alternate insert position

• Contacts

JN1 – 22 – ** – * – ****

Series
Connector type
- #22

Applicable Wire Size
- 20 – #20 AWG
- 22 – #21 to #25 AWG
- 26 – #26 to #28 AWG

Contact Type
- P – Pin
- S – Socket

- PKG100 – 100 pcs. per package
- 10000 – 10000 pieces/reel

TOOLING

Hand Tools	
CT150-2-JN1-D	#20, #25 AWG
CT150-2-JN1-E	#21, #23, #25 AWG
CT150-2-JN1-B	#22 to #24 AWG, #26 to #28 AWG

Semi Automatic Crimp Machine
CP215-4B Press
350-JN1-2C Applicator
For all wire sizes

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Dimensions and specifications subject to change without notice.