

CT Connectors



Product Information

Product	Type	Description
Plug	CT06- <u>XX</u> S- <u>X</u>	Wire-to-Wire, Male connector, <u>XX</u> Contact: 02, 03, 04, 06, 08, 12P。 <u>X</u> Color: Black Gray
Wire Connector	CT04- <u>XX</u> S- <u>X</u>	Wire-to-Wire, Female connector, <u>XX</u> Contact: 02, 03, 04, 06, 08, 12P。 <u>X</u> Color: Black Gray
Panel Mount Receptacle	CT08- <u>XX</u> P- <u>X</u>	Wire-to- Receptacle , Flange lock Waterproof。 <u>XX</u> Contact: 02, 03, 04, 06, 08, 12P。 <u>X</u> Color: Black Gray
Panel Mount Receptacle (Rhombus)	CT10- <u>XX</u> P- <u>X</u>	Wire-to- Receptacle , Flange lock Waterproof。 <u>XX</u> Contact: 03, 04, <u>X</u> Color: Black Gray

Key features

1. Connector System : Wire-to-Wire Wire to Panel
2. Sealable : Yes
3. Primary Locking Feature : Integrated in Housing
4. Connector Shape : Rectangular
5. Wire termination teehn: Crimping

Applications

- Machinery
- Automotive
- BMS, ESS

Technical Specification

General Information

Position Number	02P, 03P, 04P, 06P, 08P, 12P
Application Contact	Power and data
Apply wire gage	0.50 -1.0 mm ² (20~14AWG)
Material	PA66 GF15, SuSn6

Mechanical

Mating Force	$F \leq 135\text{N}$
Withdraw Force	$F \leq 135\text{N}$
Durability	100 cycle
Vibration	10 to 2000Hz , Max acceleration :20G
Shock	50 g \pm 15 percent with a duration of 11 \pm 1 MS.

Electrical

Operation Current	13A Max.
Rated Voltage	250V AC/DC
LLCR	< 10m Ω
Insulation resistance	> 1000M Ω
Dielectrical	1500V/AC

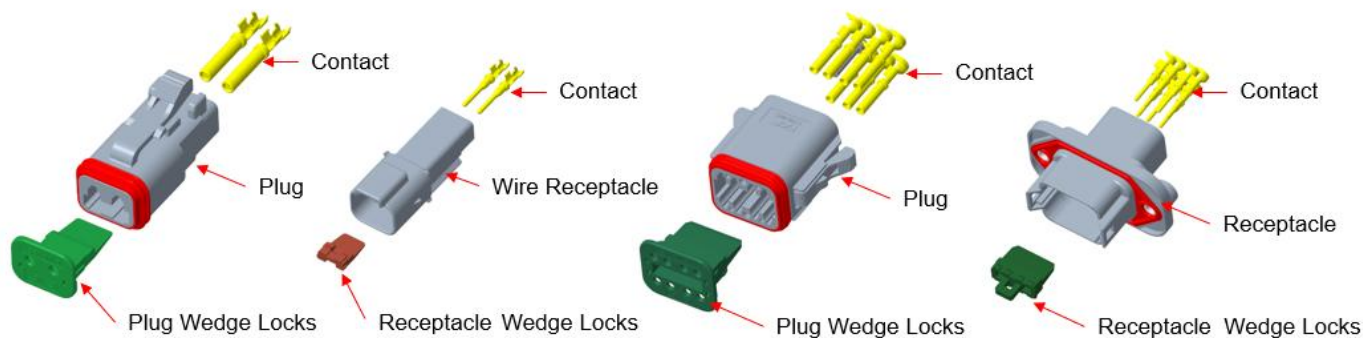
Environmental

Operating Temperature (Max)	125 °C [257 °F]
Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]

Product Compliance

Product Qualification	RoHS2.0
UL Approval	UL1977

Product Configuration



Order information

Product	Type	PN	Description
Plug	CT06-02S-X	JC.RM02X125001-M1	Male housing ,02 P ,Quick lock X Color (B: Black, G: gray")
	CT06-03S-X	JC.RM03X125001-M1	Male housing ,03 P ,Quick lock X Color (B: Black, G: gray")
	CT06-04S-X	JC.RM04X125001-M1	Male housing ,04 P ,Quick lock X Color (B: Black, G: gray")
	CT06-06S-X	JC.RM06X125001-M1	Male housing ,06 P ,Quick lock X Color (B: Black, G: gray")
	CT06-08S-X	JC.RM08X125001-M1	Male housing ,08 P ,Quick lock X Color (B: Black, G: gray")
	CT06-12S-X	JC.RM12X125001-M1	Male housing ,12 P ,Quick lock X Color (B: Black, G: gray")
Wire Receptacle	CT04-02P-X	JC.RF02X125002-M1	Female housing ,02 P ,Quick lock X Color (B: Black, G: gray")
	CT04-03P -X	JC.RF03X125002-M1	Female housing ,03 P ,Quick lock X Color (B: Black, G: gray")
	CT04-04P -X	JC.RF04X125002-M1	Female housing ,04 P ,Quick lock X Color (B: Black, G: gray")
	CT04-06P -X	JC.RF06X125002-M1	Female housing ,06 P ,Quick lock X Color (B: Black, G: gray")
	CT04-08P -X	JC.RF08X125002-M1	Female housing ,08 P ,Quick lock X Color (B: Black, G: gray")
	CT04-12P -X	JC.RF12X125002-M1	Female housing ,12 P ,Quick lock X Color (B: Black, G: gray")
Panel Mount Receptacle (Rectangle)	CT08-02P- X	JC.RF02X225001-M1	Receptacle housing ,02 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")
	CT08-04P- X	JC.RF04X225001-M1	Receptacle housing ,04 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")
	CT08-06P- X	JC.RF06X225001-M1	Receptacle housing ,06 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")
	CT08-08P- X	JC.RF08X225001-M1	Receptacle housing ,08 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")
	CT08-12P- X	JC.RF12X225001-M1	Receptacle housing ,12 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")
Panel Mount Receptacle	CT10-03P- X	JC.RF03X225001-M1	Receptacle housing ,03 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")

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(Rhombus)	CT10-04P-G	JC.RF04G225002-M1	Receptacle housing ,04 P ,Flange lock (Waterproof), X Color (B: Black, G: gray")
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Associate Product

Product	Type	PN	Description
Plug Wedge Locks	CW2S	JC.RM02N125001-32	Contact: 02 P, Material : PA66+15%GF, Color: Green
	CW3S	JC.RM03N125001-32	Contact: 03 P, Material : PA66+15%GF, Color: Green
	CW4S	JC.RM04N125001-32	Contact: 04 P, Material : PA66+15%GF, Color: Green
	CW6S	JC.RM06N125001-32	Contact: 06 P, Material : PA66+15%GF, Color: Green
	CW8S	JC.RM08N125001-32	Contact: 08 P, Material : PA66+15%GF, Color: Green
	CW12S	JC.RM12N125001-32	Contact: 12 P, Material : PA66+15%GF, Color: Green
Receptacle Wedge Locks	CW2P	JC.RF02N125002-32	Contact: 02 P, Material : PA66+15%GF, Color: Green
	CW3P	JC.RF03N125001-32	Contact: 03 P, Material : PA66+15%GF, Color: Green
	CW4P	JC.RF04N125001-32	Contact: 04 P, Material : PA66+15%GF, Color: Green
	CW6P	JC.RF06N125001-32	Contact: 06 P, Material : PA66+15%GF, Color: Green
	CW8P	JC.RF08N125001-32	Contact: 08 P, Material : PA66+15%GF, Color: Green
	CW12P	JC.RF12N125001-32	Contact: 12 P, Material : PA66+15%GF, Color: Green

Contact

Product	Type	PN	Description
Male Contact	F023-M-NI20-17	JC.RF01G127001-21	CT Male terminal, nickel plated(Ni),Wire Gage: 0.5~1.0mm ² (20~16awg)
	F023-M-SN20-17	JC.RF01G127001-22	CT Male terminal, tin plated (Sn), Wire Gage: 0.5~1.0mm ² (20~16awg)
	F023-M-AU20-17	JC.RF01G127001-23	CT Male terminal, gold-plated(Au),Wire Gage: 0.5-1.0mm ² (20~16awg)
	F021-M-NI18-16	JC.RF01G127001-24	CT Male terminal, nickel plated(Ni),Wire Gage: 0.75~1.5mm ² (18~15awg)
	F021-M-SN18-16	JC.RF01G127001-25	CT Male terminal, tin plated (Sn), Wire Gage: 0.75~1.5mm ² (18~15awg)
	F021-M-AU18-16	JC.RF01G127001-26	CT Male terminal, gold-plated(Au),Wire Gage: 0.75~1.5mm ² (18~15awg)
	F024-M-NI17-13	JC.RF01G127001-27	CT Male terminal, nickel plated(Ni),Wire Gage: 1.0~2.5mm ² (16~12awg)
	F024-M-SN17-13	JC.RF01G127001-28	CT Male terminal, tin plated (Sn), Wire Gage: 1.0~2.5mm ² (16~12awg)
	F024-M-AU17-13	JC.RF01G127001-29	CT Male terminal, gold-plated(Au),Wire Gage:

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			1.0~2.5mm ² (16~12awg)
	F022-M-NI16-14	JC.RF01G127002-21	CT Male terminal, nickel plated(Ni),Wire Gage: 0.35~0.5mm ² (20~22awg)
	F022-M-SN16-14	JC.RF01G127002-22	CT Male terminal, tin plated (Sn),Wire Gage: 0.35~0.5mm ² (20~22awg)
	F022-M-AU16-14	JC.RF01G127002-23	CT Male terminal, gold-plated(Au),Wire Gage: 0.35~0.5mm ² (20~22awg)
Female Contact	F023-F-NI20-17	JC.RF01G127002-24	CT Female terminal, nickel plated(Ni),Wire Gage: 0.5~1.0mm ² (20~16awg)
	F023-F-SN20-17	JC.RF01G127002-25	CT Female terminal, tin plated (Sn),Wire Gage: 0.5~1.0mm ² (20~16awg)
	F023-F-AU20-17	JC.RF01G127002-26	CT Female terminal, gold-plated(Au),Wire Gage: 0.5-1.0mm ² (20~16awg)
	F021-F-NI18-16	JC.RF01G127002-27	CT Female terminal, nickel plated(Ni),Wire Gage: 0.75~1.5mm ² (18~15awg)
	F021-F-SN18-16	JC.RF01G127002-28	CT Female terminal, tin plated (Sn),Wire Gage: 0.75~1.5mm ² (18~15awg)
	F021-F-AU18-16	JC.RF01G127002-29	CT Female terminal, gold-plated(Au),Wire Gage: 0.75~1.5mm ² (18~15awg)
	F024-F-NI17-13	JC.RF01G127003-21	CT Female terminal, nickel plated(Ni),Wire Gage: 1.0~2.5mm ² (20~16awg)
	F024-F-SN17-13	JC.RF01G127003-22	CT Female terminal, tin plated (Sn),Wire Gage: 1.0~2.5mm ² (20~16awg)
	F024-F-AU17-13	JC.RF01G127003-23	CT Female terminal, gold-plated(Au),Wire Gage: 1.0~2.5mm ² (20~16awg)
	F022-F-NI16-14	JC.RF01G127003-24	CT Female terminal, nickel plated(Ni),Wire Gage: 0.35~0.5mm ² (20~22awg)
	F022-F-SN16-14	JC.RF01G127003-25	CT Female terminal, tin plated (Sn),Wire Gage: 0.35~0.5mm ² (20~22awg)
	F022-F-AU16-14	JC.RF01G127003-26	CT Female terminal, gold-plated(Au),Wire Gage: 0.35~0.5mm ² (20~22awg)

Note:

1, X: Color

2. Flange lock (Waterproof): The flange lock plate is waterproof, Flange lock (UNWaterproof): The flange lock plate is not waterproof.

*When there is a conflict between the data in the Product data-sheet and the drawings and specifications, the drawings and specifications shall prevail.