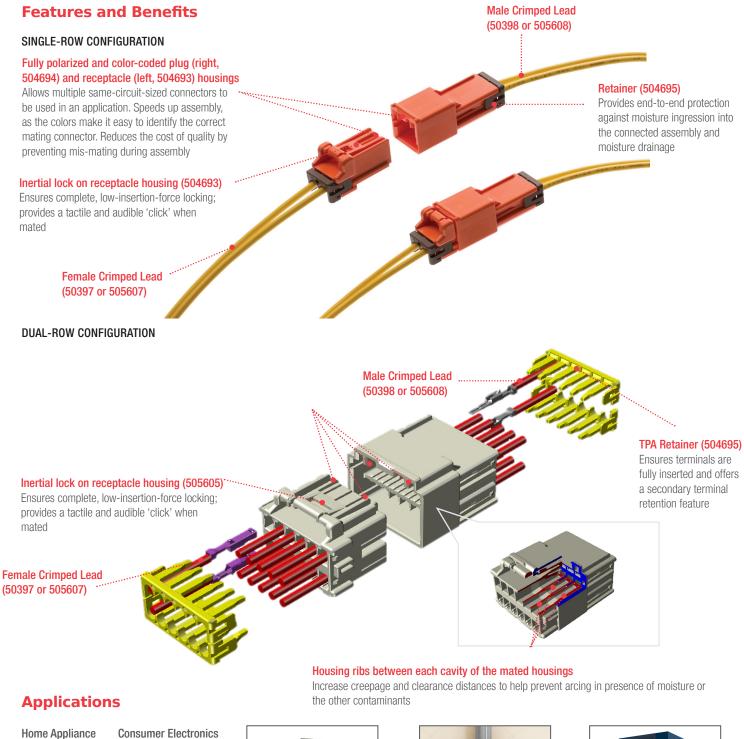
CP-3.3 Wire-to-Wire Connector System



Leveraging full keying and color-pairing features, foolproof CP-3.3 wire-towire connectors enhance user-safety while preventing mismating in consumer electronics, white goods, industrial and medical applications



Air ConditionerFitnessRefrigeratorHome EntertaMicrowave OvenHome OfficeWashing MachineHome SecuriWater HeaterMedicalVending MachinesAutoclaves

Home Entertainment Home Office Home Security edical

Home Appliance (White Goods)





CP-3.3 Wire-to-Wire Connector System

molex

Specifications (Single-row Configuration)

ELECTRICAL

Voltage (max.): 500V Current (max.): Refer to Derating Current table below Contact Resistance (max.): 20 milliohms Dielectric Withstanding Voltage: AC1000V / minute Insulation Resistance (min.): 1000 Megaohm

PHYSICAL

Housing: PBT UL94-V0 Retainer: PBT UL94-V0 Contact: Copper Alloy Plating: Contact Area — Tin 0.9micron min. Solder Tail Area — Tin 0.9micron min. Operating Temperature: -40 to 105°C

Specifications (Dual-row Configuration)

MECHANICAL

Contact Insertion Force (max.): 9.8N Contact Retention to Housing (min.): 19.6N Mating Force (max.): 37.7N (12 circuits) Unmating Force (min.): 7.1N (12 circuits) Durability: 30 cycles Operating Temperature: -40 to 105°C

ELECTRICAL

Voltage (max.): 500V Current (max.):

Refer to Derating Current table below Contact Resistance (max.): 20 milliohms Dielectric Withstanding Voltage: AC1000V / minute Insulation Resistance (min.): 1000 Megaohm

REFERENCE INFORMATION

Packaging Reel (Terminal) Bag (Housing and Retainer) Mates With: 504693 with 504694 Use With: 504695 (Retainer) 50397/50398 Terminals (22-28 AWG) 505607/505608 Terminals (18-22 AWG) Designed In: Millimeters RoHS: Yes Halogen Free: No Glow Wire Compliant: No

MECHANICAL

Contact Insertion Force (max.): 9.8N Contact Retention to Housing (min.): 19.6N Mating Force (max.): 20.5N (6 circuits) Unmating Force (min.): 3.6N. (6 circuits) Durability: 30 cycles

REFERENCE INFORMATION

Packaging Reel (Terminal) Bag (Housing and Retainer) Mates With: 505605 with 505606 Use With: 504695 (Retainer) 50397/50398 Terminals (22-28 AWG) 505607/505608 Terminals (18-22 AWG) Designed In: Millimeters RoHS: Yes Halogen Free: No Glow Wire Compliant: No

PHYSICAL

Housing: PBT UL94-V0 Retainer: PBT UL94-V0 Contact: Copper Alloy Plating: Contact Area — Tin 0.9micron min. Solder Tail Area — Tin 0.9microm min.

AWG	2 circuits	4 circuits	6 circuits
AWG	Current (A)		
18 (with 505607/505608)	7.5	6.5	6.0
20 (with 505607/505608)	6.5	5.5	5.5
22 (with 505607/505608)	5.5	5.0	4.5
22 (with 50397/50398)	5.0	4.5	4.0
24 (with 50397/50398)	4.0	3.5	3.5
26 (with 50397/50398)	3.5	3.0	3.0
28 (with 50397/50398)	3.0	2.5	2.5

(1) Values are for REFERENCE only. (2) Data is for all circuits powered.

AM/C	4 circuits	8 circuits	12 circuits
AWG	Current (A)		
18 (with 505607/505608)	7.0	6.0	6.0
20 (with 505607/505608)	6.5	5.5	5.0
22 (with 505607/505608)	5.0	4.5	4.0
22 (with 50397/50398)	4.5	3.5	3.5
24 (with 50397/50398)	3.5	3.0	3.0
26 (with 50397/50398)	3.5	2.5	2.5
28 (with 50397/50398)	2.5	2.0	2.0

(1) Values are for REFERENCE only. (2) Data is for all circuits powered.

Ordering Information

Series No.	Component	Wire Size / Number of rows	Circuits		Housing Colors
<u>50397</u>	Crimp Terminal for Receptacle	AWC 00.00		-	-
<u>50398</u>	Crimp Terminal for Plug	AWG 22-28	-		-
505607	Crimp Terminal for Receptacle	-			-
<u>505608</u>	Crimp Terminal for Plug	AWG 18-22	-		-
<u>504693</u>	Receptacle Housing	- Single-row 2	Single-row 2, 3, 4, 6	2	Natural, Black, Red, Yellow, Blue, Pink, Green, Orange, Purple
				3	Natural, Black
504694 Plug Housing	Plug Housing			4	Natural, Black, Red, Yellow, Blue
				6	Natural, Black, Red, Yellow, Blue
505605	Receptacle Housing		4, 6, 8, 10, 12		
<u>505606</u>	Plug Housing	Dual-row			Natural, Black, Red, Yellow
<u>504695</u>	Retainer	Single and Dual-row	2, 3, 4, 5, 6		Brown

www.molex.com/link/cp33.html

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