

YESC KAIZEN

CONNECTORS

1.5

SERIES

UNSEALED

1.5 SERIES
UNSEALED

CLICK ON YOUR SELECTION:

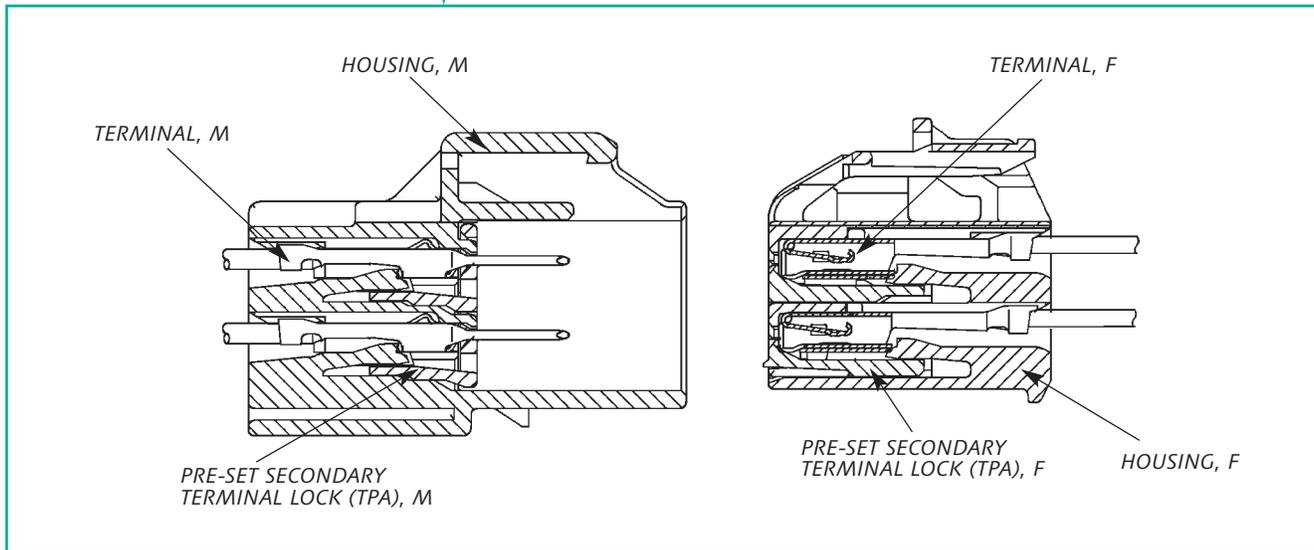
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1.5 x 0.8

unsealed connection system

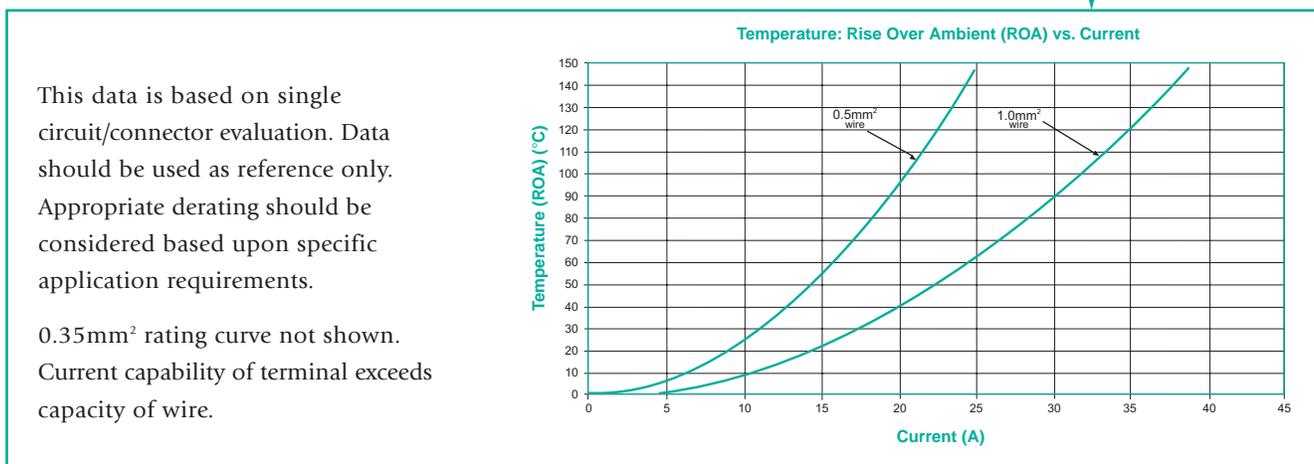
Construction



Specifications

Material	Connector	PBT+GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ max (Term./Term.) (Crimp-to-Crimp)
Isolation Resistance		500VDC, 20MΩ min
Dielectric Resistance		1000VAC (1 minute)
Applicable Wire Size		22AWG ~ 16AWG (0.35mm ² ~ 1.0mm ²)
Terminal Pitch		Horizontal: 3.50mm; Vertical: 6.50mm
Terminal-to-Connector Retention Force		90N min
Connector-to-Connector Retention Force		110N min

Current Rating Curve (Reference Only)



unsealed connection system

1.5 x 0.8

Terminal

UNIT: mm

Male Terminal

Material: Copper Alloy Thickness: $t=0.3$

Female Terminal

Material: Copper Alloy Thickness: $t=0.25$

Description	YESC Part Number	YESC KAIZEN Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4100-02	—	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4101-02	—	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4100-08	—	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
Female Terminal	7116-4100-02	7116-4780-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4101-02	7116-4781-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4100-08	—	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25

YESC KAIZEN is preferred (equal performance/lower insertion force)

Retainer Clip/Bracket Dimensions

UNIT: mm

Part Number	Panel Hole Requirements
7047-9580 (Ref)	φ6.5mm

1.5 x 0.8

unsealed connection system

Part Number Summary Chart

Part Name	YESC Male	YESC KAIZEN Male	YESC Female	YESC KAIZEN Female
Terminal	7114-4100-02	—	7116-4100-02	7116-4780-02
	7114-4101-02	—	7116-4101-02	7116-4781-02
	7114-4100-08	—	7116-4100-08	—
	7114-4101-08	—	7116-4101-08	—
Applicable Clip	—	7047-9580 (Ref)	—	—

Pole	Polarity	Color/Description	YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number	Delete Caps
2	A	Light Grey	—	7282-6443-40	—	7283-6443-40	—
2	A	Orange	—	7282-6443-50	—	7283-6443-50	—
2	B	Green	—	7282-6444-60	—	7283-6444-60	—
2	B	Yellow	—	7282-6444-70	—	7283-6444-70	—
3	A	Light Grey	—	7282-3440-40	—	7283-3440-40	—
4	A	Light Grey	—	7282-6449-40	—	7283-6449-40	—
4	A	Orange	—	—	—	7283-6449-50	—
4	A	Yellow	—	—	—	7283-6449-70	—
4	B	Green	—	7282-3443-60	—	7283-3443-60	—
6	A	Light Grey	—	7282-6454-40	—	7283-6454-40	—
6	B	Green	—	—	—	7283-4016-60	—
8	A	Light Grey	—	7282-3441-40	—	7283-3441-40	—
10	A	Light Grey	—	7282-6455-40	—	7283-6455-40	—
12	A	Light Grey	—	7282-3442-40	—	7283-3442-40	—
16	A	Green	—	7282-6453-60	—	7283-6453-60	7282-5690-60
16	B	Blue	—	7282-6456-90	—	7283-6456-90	—
16	C	Light Grey	7282-5536-40	—	—	7283-3585-40	—

Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.

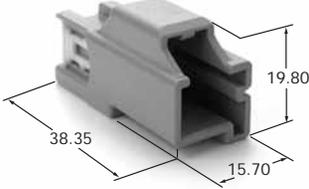
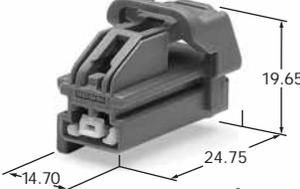
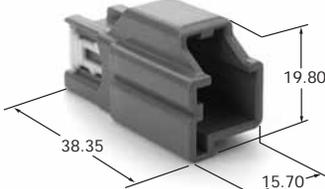
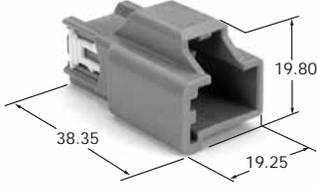
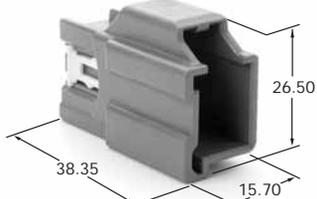
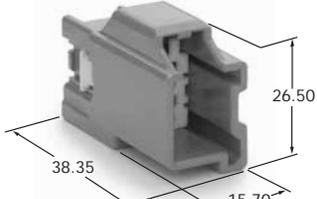
Order Number: X39899-J374.

unsealed connection system

1.5 x 0.8

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
2	 <p>38.35 19.80 15.70</p> <p>7282-6443-40</p>	 <p>19.65 24.75 14.70</p> <p>7283-6443-40*</p>
2	 <p>38.35 19.80 15.70</p> <p>7282-6444-60</p>	 <p>19.65 24.75 14.70</p> <p>7283-6444-60*</p>
3	 <p>38.35 19.80 19.25</p> <p>7282-3440-40</p>	 <p>18.65 24.75 16.70</p> <p>7283-3440-40*</p>
4	 <p>38.35 26.50 15.70</p> <p>7282-6449-40</p>	 <p>26.15 24.75 14.70</p> <p>7283-6449-40*</p>
4	 <p>38.35 26.50 15.70</p> <p>7282-3443-60</p>	 <p>26.15 24.75 14.70</p> <p>7283-3443-60*</p>

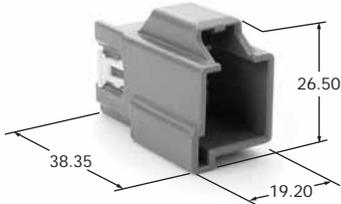
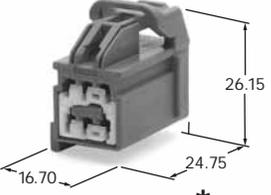
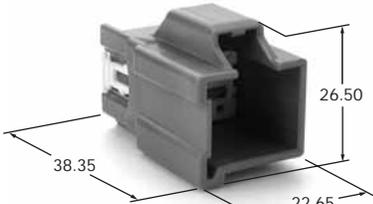
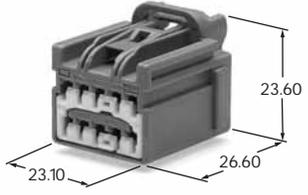
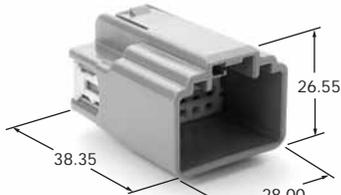
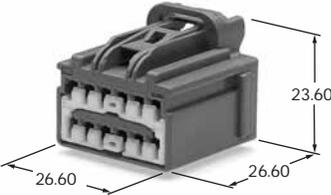
* Part meets USCAR interface standard at time of printing.

1.5 x 0.8

unsealed connection system

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
6	 <p>Dimensions: 38.35 (width), 19.20 (depth), 26.50 (height)</p> <p>Part Number: 7282-6454-40</p>	 <p>Dimensions: 16.70 (width), 24.75 (depth), 26.15 (height)</p> <p>Part Number: 7283-6454-40*</p>
6	N/A	 <p>Dimensions: 16.70 (width), 24.75 (depth), 26.15 (height)</p> <p>Part Number: 7283-4016-60*</p>
8	 <p>Dimensions: 38.35 (width), 22.65 (depth), 26.50 (height)</p> <p>Part Number: 7282-3441-40</p>	 <p>Dimensions: 19.75 (width), 24.75 (depth), 25.15 (height)</p> <p>Part Number: 7283-3441-40*</p>
10	 <p>Dimensions: 38.35 (width), 24.50 (depth), 26.55 (height)</p> <p>Part Number: 7282-6455-40</p>	 <p>Dimensions: 23.10 (width), 26.60 (depth), 23.60 (height)</p> <p>Part Number: 7283-6455-40*</p>
12	 <p>Dimensions: 38.35 (width), 28.00 (depth), 26.55 (height)</p> <p>Part Number: 7282-3442-40</p>	 <p>Dimensions: 26.60 (width), 26.60 (depth), 23.60 (height)</p> <p>Part Number: 7283-3442-40*</p>

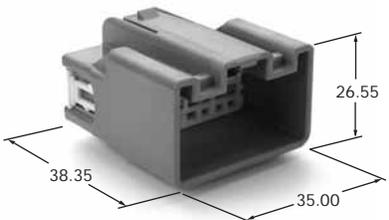
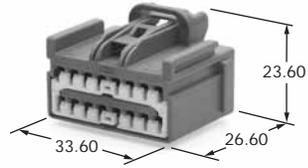
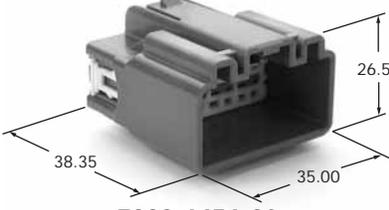
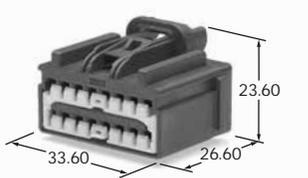
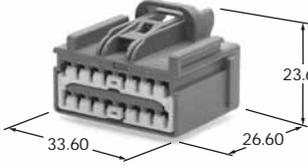
* Part meets USCAR interface standard at time of printing.

unsealed connection system

1.5 x 0.8

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
16	 <p>7282-6453-60</p>	 <p>7283-6453-60*</p>
16	 <p>7282-6456-90</p>	 <p>7283-6456-90*</p>
16	N/A	 <p>7283-3585-40*</p>

* Part meets USCAR interface standard at time of printing.