

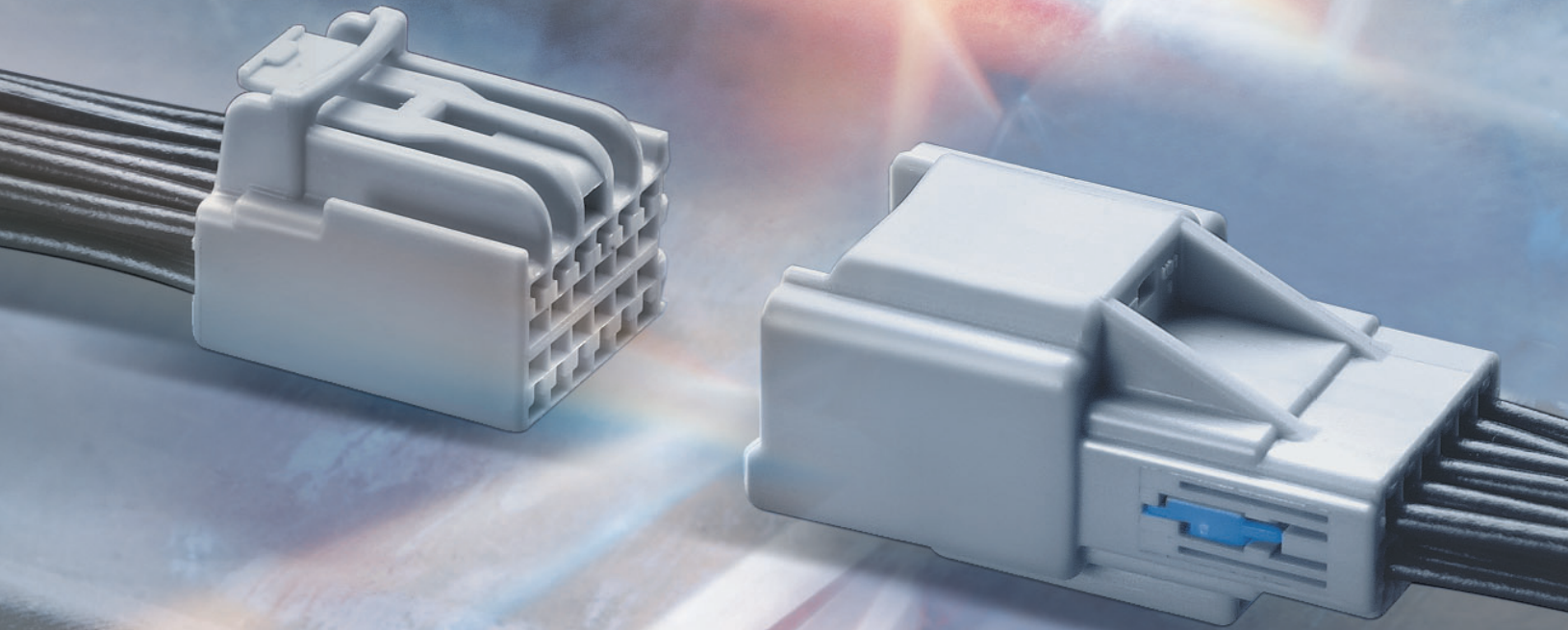
Y E S
CONNECTORS

0.64

SERIES

UNSEALED

0.64 SERIES
UNSEALED

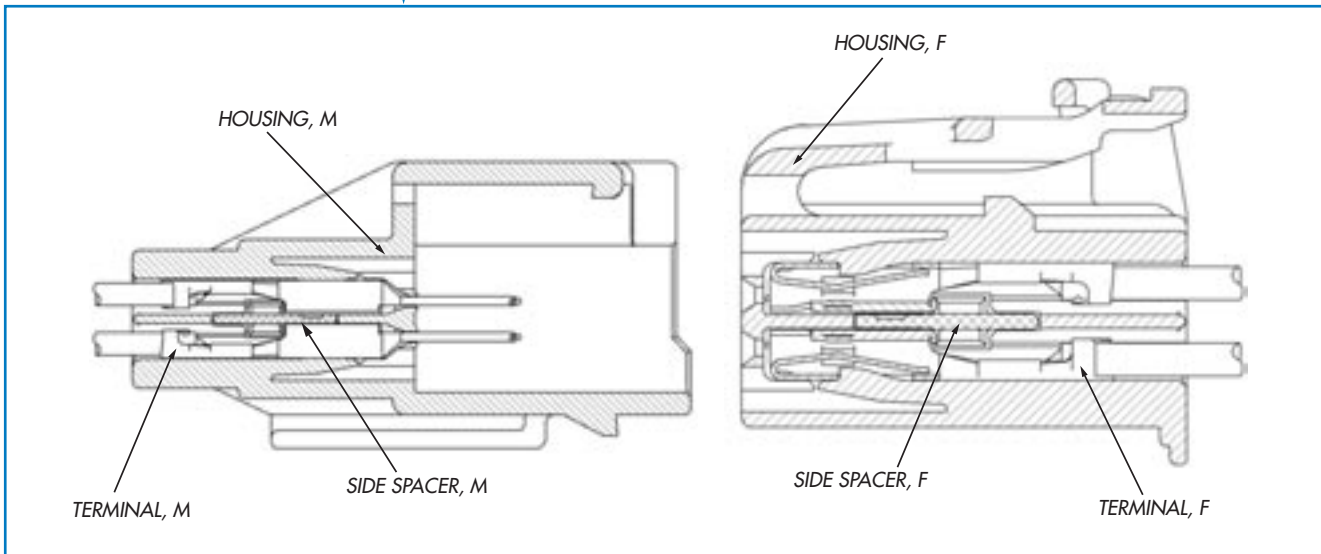


YAZAKI ENGINEERING STANDARD

0.64 x 0.64

unsealed connection system

Construction

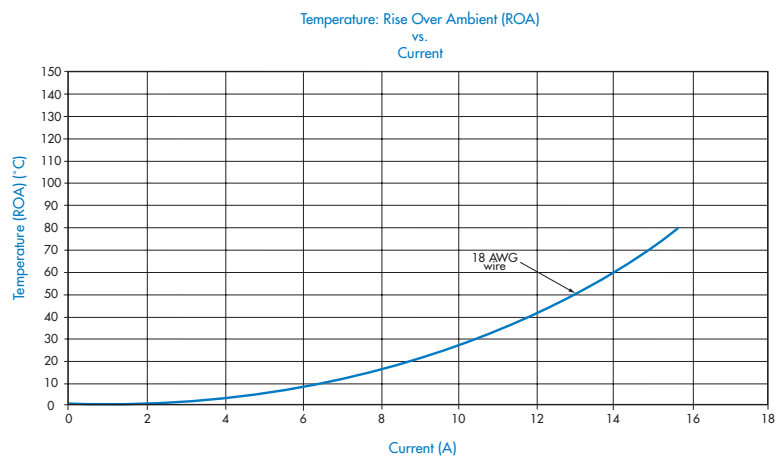


Specifications

Material	Connector	PBT + GF
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~ 100°C (120°C max temp.) (USCAR Class II)
Current Capacity		(See Chart)
Voltage Drop		20mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 18AWG (0.22mm ² ~ 0.76mm ²)
Terminal Pitch		Horizontal: 2.54mm; Vertical: 2.54mm
Terminal-to-Connector Retention Force		75N Min
Connector-to-Connector Retention Force		110N Min

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



Terminal

UNIT: mm

Male Terminal

Material: Copper Alloy Thickness: t=0.3

Female Terminal

Material: Copper Alloy Thickness: t=0.25

Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4720-02	Sn	0.35	22	0.3
	7114-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
	7114-4720-08	Au	0.35	22	0.3
	7114-4721-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
Female Terminal	7116-4720-02	Sn	0.35	22	0.3
	7116-4721-02	Sn	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85
	7116-4720-08	Au	0.35	22	0.3
	7116-4721-08	Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.85

Retainer Clip/Bracket Dimensions

UNIT: mm

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

0.64 x 0.64

unsealed connection system

Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-4720-02	7116-4720-02
	7114-4721-02	7116-4721-02
	7116-4721-08	7116-4720-08
	7116-4721-08	7116-4721-08
Applicable Clip	7047-9580 (Ref)	N/A

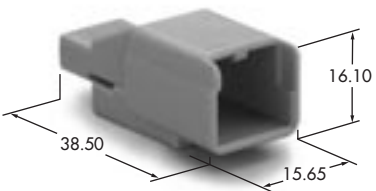

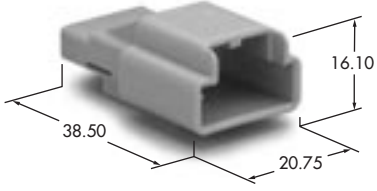
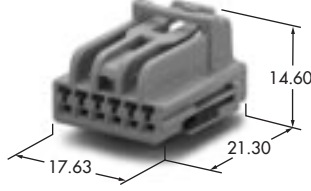
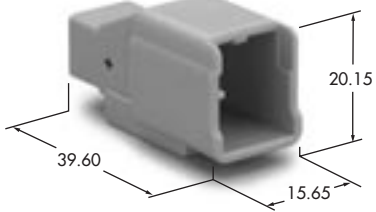
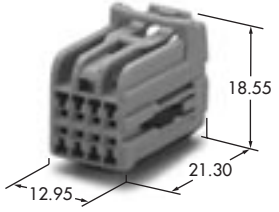
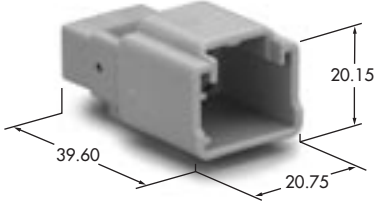
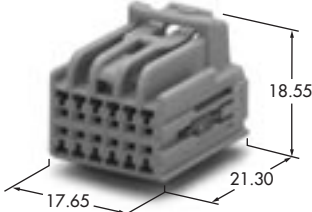
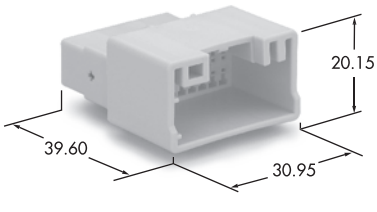
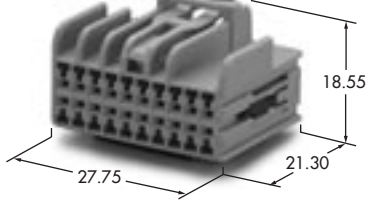
Pole	Polarity	Color	Male Part #	Female Part #	Female Part # (w/CPA)
4	A	Light Grey	7282-6560-40	7283-6386-40	7283-6560-40
6	A	Light Grey	7282-6561-40	7283-6387-40	7283-6561-40
8	A	Light Grey	7282-8870-40	7283-8873-40	7283-8872-40
12	A	Light Grey	7282-7696-40	7283-7696-40	7283-7697-40
20	A	Light Grey	7282-6568-40	7283-6388-40	7283-6568-40

*Applicable Terminal Removal Tool/Dimensions

Refer to Page 80 for YESC Connector Terminal Removal Tool.
Order Number: 49YA000105.

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
4	 <p>7282-6560-40</p>	 <p>7283-6386-40</p>
6	 <p>7282-6561-40</p>	 <p>7283-6387-40</p>
8	 <p>7282-8870-40</p>	 <p>7283-8873-40</p>
12	 <p>7282-7696-40</p>	 <p>7283-7696-40</p>
20	 <p>7282-6568-40</p>	 <p>7283-6388-40</p>