



CONNECTORS

Hybrid SERIES

CLICK ON YOUR SELECTION:

SPECIFICATIONS

TERMINAL

RETAINER CLIP/BRACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS

HYBRID
SERIES

HYBRID

connection system

Specifications

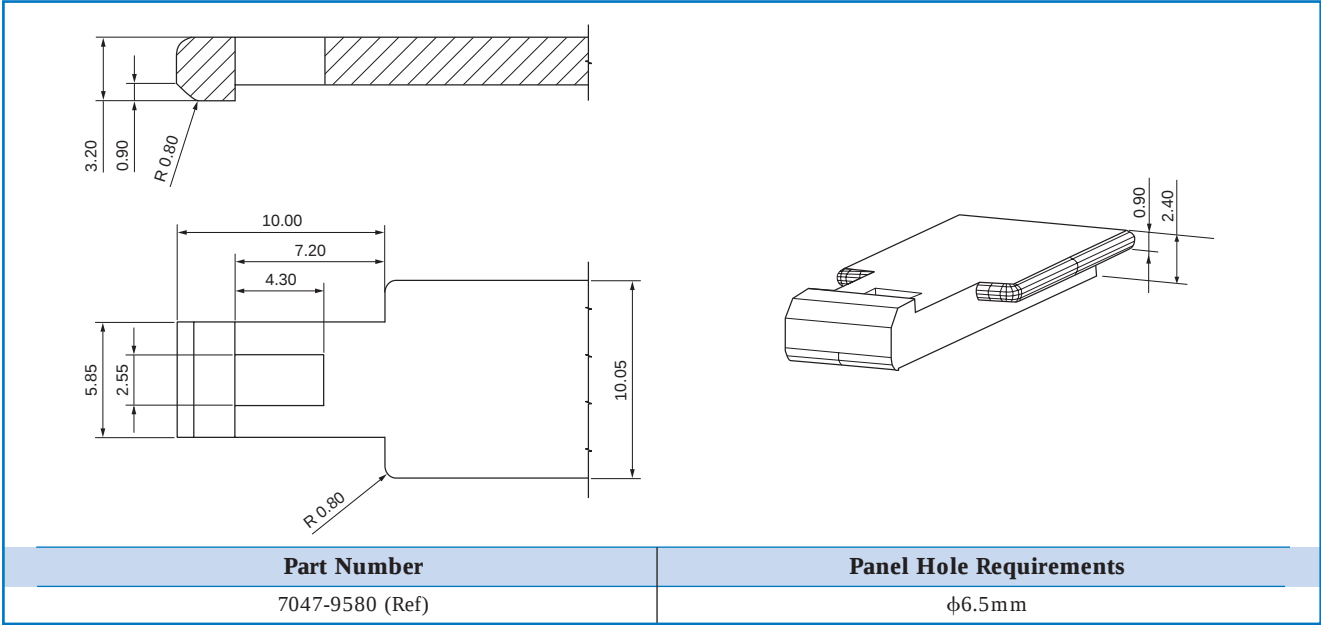
Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~100°C (120°C max temp.) (USCAR Class II)
Operating Temperature Range		-40°C ~125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		See Specific Connector Section
Terminal-to-Connector Retention Force		See Specific Connector Section
Connector-to-Connector Retention Force		See Specific Connector Section

Terminal

Description		Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	0.64mm	7114-4720-02/-08	Sn/Au	0.35	22	0.3
		7114-4721-02/-08	Sn/Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7114-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7114-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7114-4122-02	Sn	4.0	12	3.0
Female Terminal	0.64mm	7116-4720-02/-08	Sn/Au	0.35	22	0.3
		7116-4721-02/-08	Sn/Au	0.5 ~ 0.75	20 ~ 18	0.5 ~ 0.8
	1.5mm	7116-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	Sn	4.0	12	3.0

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number Summary Chart

Part Name		Male	Female
Terminal	0.64mm	7114-4720-02	7116-4720-02
		7114-4721-02	7116-4721-02
		7114-3286-08	7116-4721-08
		7114-3287-08	7116-4721-08
	1.5mm	7114-4100-02/-08	7116-4100-02/-08
		7114-4101-02/-08	7116-4101-02/-08
	2.8mm	7114-4110-02	7116-4110-02
		7114-4111-02	7116-4111-02
		7114-4112-02	7116-4112-02
	6.3mm	7114-4120-02	7116-4120-02
		7114-4121-02	7116-4121-02
		7114-4122-02	7116-4122-02
Applicable Clip		7047-9580 (Ref)	N/A

HYBRID

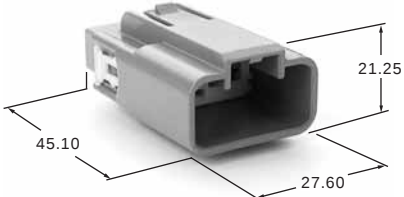
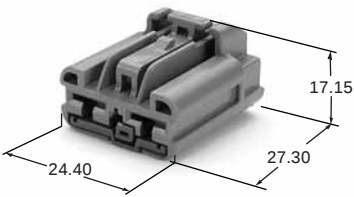
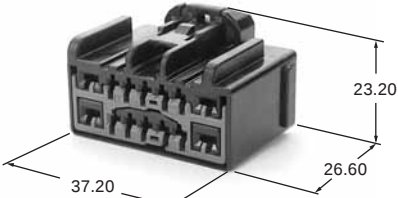
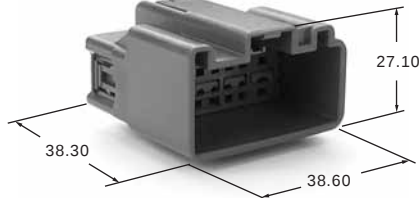
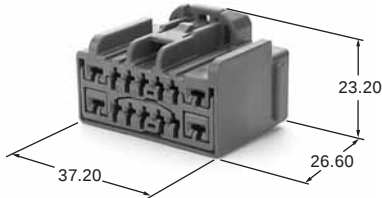
connection system

Part Number Summary Chart (cont.)

Pole	Polarity	Color/Description	Male Part #	Female Part #	Female Part # w/(CPA)
3	A	Light Grey 1x1.5, 2x6.3	7282-5628-40	7283-5628-40	
10	A	Light Grey 6x1.5, 4x2.8			7283-5637-40
13	A	Light Grey 11x2.8, 2x6.3	7282-5625-40	7283-5625-40	7283-5643-40
14	A	Light Grey 10x1.5, 4x2.8			7283-5639-40
14	B	Green 10x1.5, 4x2.8	7282-5623-60	7283-5623-60	
14	B	Black 10x1.5, 4x2.8	7282-5623-30	7283-5623-30	
14	C	Blue 10x1.5, 4x2.8	7282-5624-90	7283-5624-90	
14	C	Brown 10x1.5, 4x2.8	7282-5624-80	7283-5624-80	

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
3	 7282-5628-40	 7283-5628-40
14	 7282-5623-60	 7283-5623-60
14	 7282-5624-90	 7283-5624-90

*Applicable Terminal Removal Tool/Dimensions

Refer to Page 68 for YES Connector Terminal Removal Tool. Order Number: 49YA00105 (for 0.64 terminal), X39899-J374 (for 1.5 and 2.8 terminal) and G0406 (PA Type) (for 6.3 terminal).

YESC KAIZEN

CONNECTORS

Hybrid SERIES

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HYBRID
SERIES

SUPPLEMENT TO YESC CATALOG

HYBRID

connection system

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)
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		See Specific Connector Section
Terminal-to-Connector Retention Force		See Specific Connector Section
Connector-to-Connector Retention Force		See Specific Connector Section

Terminal

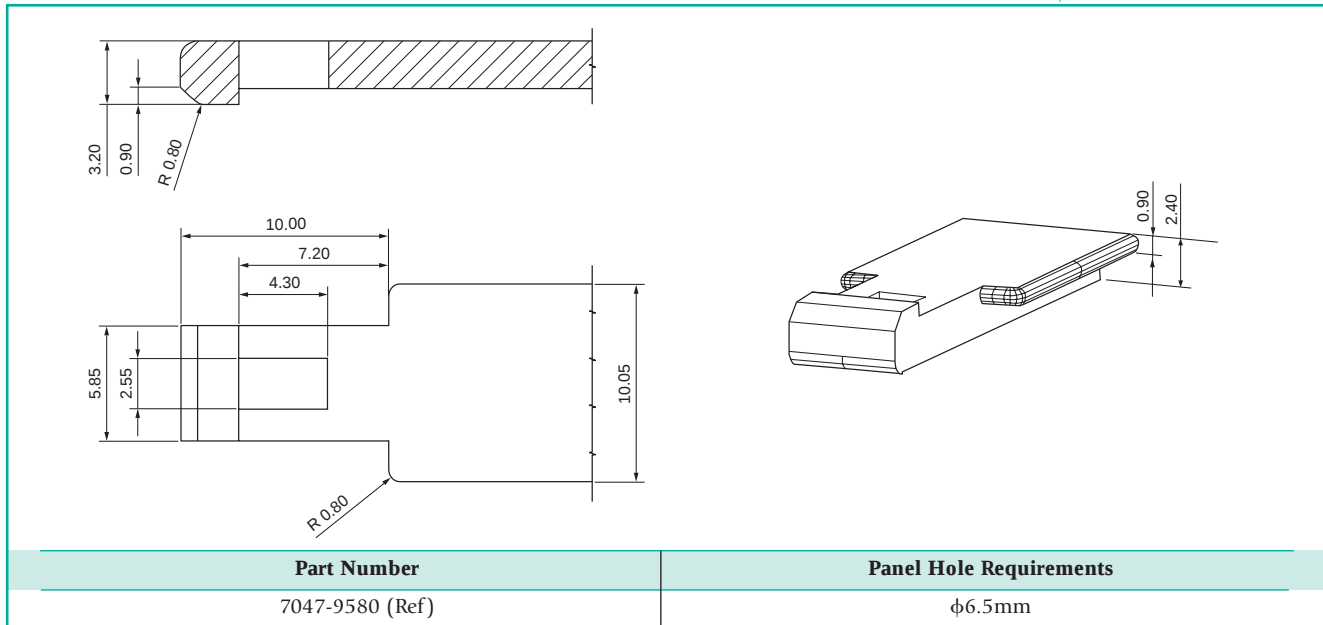
UNIT: mm

Description		YESC Part Number	YESC KAIZEN Part Number	Plating	Applicable Wire Size		
					Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	1.5mm	7114-4100-02/-08	—	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4101-02/-08	—	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4110-02	—	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4111-02	—	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4112-02	—	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7114-4120-02	—	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4121-02	—	Sn	1.5 ~ 2.5	14	2.0
		7114-4122-02	—	Sn	4.0	12	3.0
Female Terminal	1.5mm	7116-4100-02	7116-4780-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4100-08	—	Au	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
		7116-4101-08	—	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7116-4110-02	7116-4270-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	7116-4271-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	7116-4272-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7116-4120-02	—	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	—	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	—	Sn	4.0	12	3.0

There are many different terminals and cable seals that can be used with Hybrid connectors. Please refer to the terminal and cable seal pages for 1.5, 2.8 and 6.3 sealed and unsealed connectors. If you have questions, please call 1-888-942-9152 for assistance.

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number Summary Chart

Part Name		YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number
Terminal	1.5mm	7114-4100-02	———	7116-4100-02	7116-4780-02
		7114-4100-08	———	7116-4100-08	———
		7114-4101-02	———	7116-4101-02	7116-4781-02
		7114-4101-08	———	7116-4101-08	———
	2.8mm	7114-4110-02	———	7116-4110-02	7116-4270-02
		7114-4111-01	———	7116-4111-02	7116-4271-02
		7114-4112-02	———	7116-4112-02	7116-4272-02
	6.3mm	7114-4120-02	———	7116-4120-02	———
		7114-4121-02	———	7116-4121-02	———
		7114-4122-02	———	7116-4122-02	———
Applicable Clip		7047-9580 (Ref)	———	———	

HYBRID

connection system

Part Number Summary Chart (cont.)

Pole	Polarity	Color/ Description	YESC Male Part Number	YESC KAIZEN Male Part Number	YESC Female Part Number	YESC KAIZEN Female Part Number
8	A	Light Grey 6 x1.5, 2x2.8	—	7282-6448-40	—	7283-6448-40
10	A	Light Grey 6x1.5, 4x2.8	—	7282-6459-40	—	7283-6459-40
13	A	Black 9x0.64, 4x1.5	—	—	—	7283-3522-30
13	B	Light Grey 9x0.64, 4x1.5	—	—	—	7283-3523-40
13	A	Light Grey 11x2.8, 2x6.3	—	7282-6569-40	—	7283-6569-40
14	A	Black 12x0.64, 2x1.5	—	—	—	7283-4490-30
14	A	Light Grey 10x1.5, 4x2.8	—	7282-6447-40	—	7283-6447-40
14	A	Black 12x0.64, 2x1.5	—	—	—	7283-9281-30
20	A	Black 6x2.8, 14x1.5	—	7282-9450-30	—	7283-9450-30
28	A	Black 4x6.3, 24x0.64	—	—	—	7283-9504-30
34	A	Black 1x6.3, 6x2.8, 27x1.5	—	7282-9150-30	—	7283-9151-30
34	B	Light Grey 1x6.3, 6x2.8, 27x1.5	—	7282-9152-40	—	7283-9153-40
38	A	Black 30x0.64, 8.2.8	—	7282-2784-30	—	7283-2784-30
43	A	Black 34x1.5, 6x2.8, 3x6.3	—	7282-4190-30	—	7283-4190-30
43	B	Light Grey 34x1.5, 6x2.8, 3x6.3	—	7282-4192-40	—	7283-4192-40

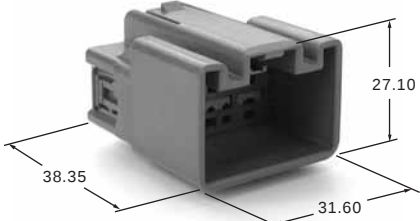
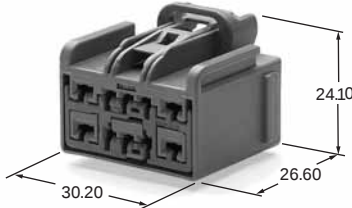
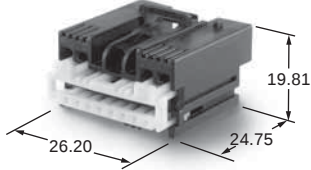
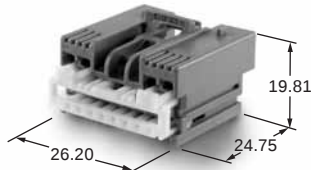
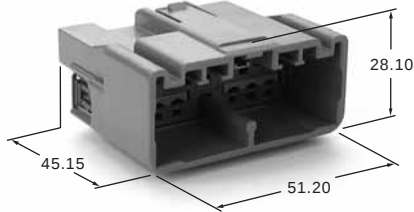
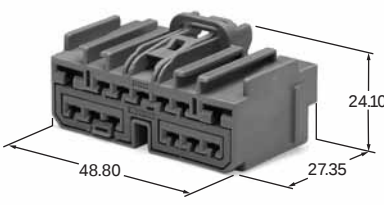
Applicable Terminal Removal Tool/Dimensions

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

Order Number: 49YA000263 (for 0.64 terminal), X39899-J374 (for 1.5 and 2.8 terminal), and G0406 (PA Type) (for 6.3 terminal).

Housing Material: PBT+GF

UNIT: mm

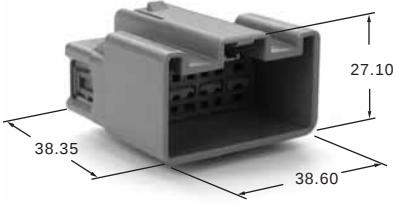
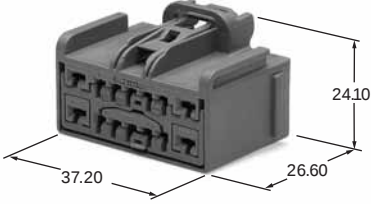
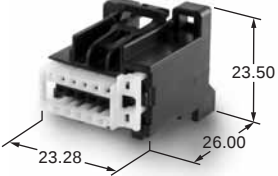
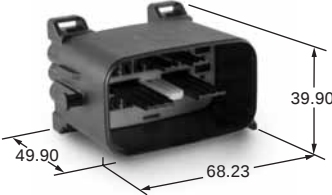
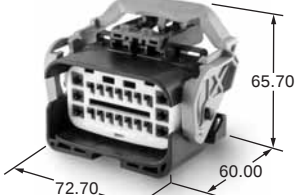
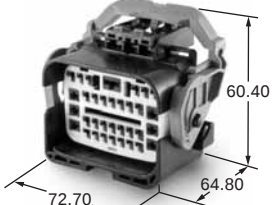
Poles	Male Housing	Female Housing
8	 7282-6448-40	 7283-6448-40
10	 7282-6459-40	 7283-6459-40
13	N/A	 7283-3522-30
13	N/A	 7283-3523-40
13	 7282-6569-40	 7283-6569-40
14	N/A	 7283-4490-30

HYBRID

connection system

Housing Material: PBT+GF

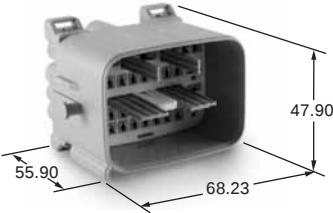
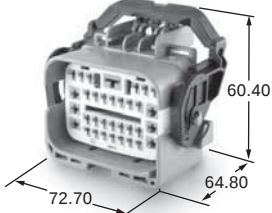
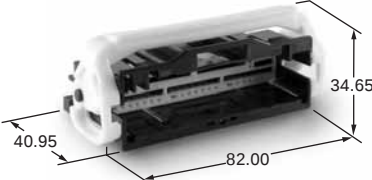
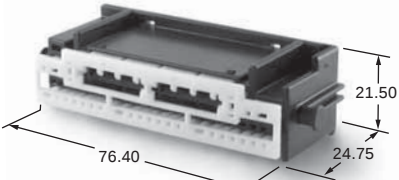
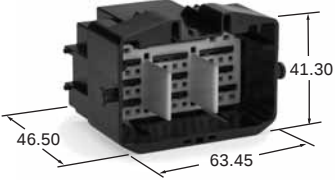
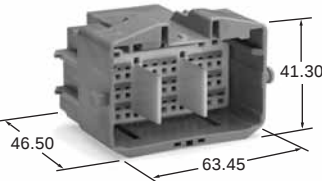
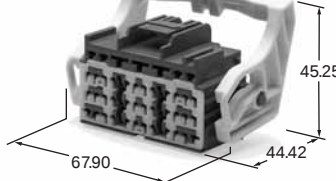
UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
14	 7282-6447-40	 7283-6447-40
14	N/A	 7283-9281-30
20	 7282-9450-30	 7283-9450-30
28	N/A	 7283-9504-30
34	 7282-9150-30	 7283-9151-30

connection system

HYBRID**Housing Material: PBT+GF**

UNIT: mm

<i>Poles</i>	<i>Male Housing</i>	<i>Female Housing</i>
34	 7282-9152-40	 7283-9153-40
38	 7282-2784-30	 7283-2784-30
43	 7282-4190-30	 7283-4190-30
43	 7282-4192-40	 7283-4192-40

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