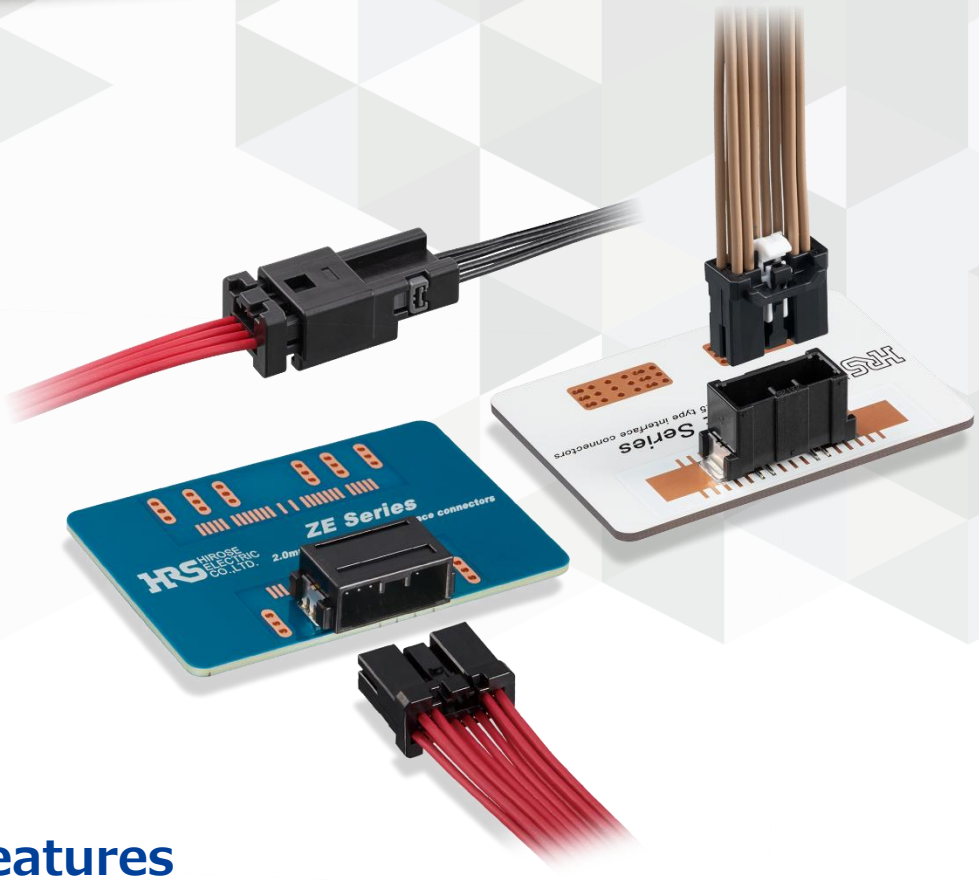
Product Catalog

ZE05 Series

HIROSE ELECTRIC CO., LTD.

High-Temperature and Vibration-Resistant Automotive Interface Connector (0.5 Size / 2mm Pitch)



Features

1 **Space-Saving Design (0.5 Contact Tab Size / 2mm Pitch)**

2 **High-Temperature Resistance up to 125°C**

3 **High Vibration Resistance**

4 **Rated Current**
-5A (Single Contact) /2A(All Contacts)

5 **Retention Force Supports 40 N Tensile Strength**

6 **Wide Product Variations**
-Straight, Right-Angle, In-Line, and CPA Versions Available
-2 to 40 Positions

7 **Compatible with 20 to 26 AWG (0.13 to 0.5 mm²)**

8 **CPA (ZE05C) Helps Prevent Incomplete Mating and Improves Connection Reliability***

*CPA (Connector Position Assurance)

Click here to view the series page.
https://www.hirose.com/en/product/series/ZE05

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Product Specifications

Rated Current	2A (All pins power supply) 5A (Single pin power supply)
Rated Voltage	60V AC/DC
Operating Temperature (Note1)	-40 ～ +125 °C
Contact Resistance	10mΩ Max.
Withstanding Voltage	1,000V AC for 1min
Insulation Resistance	100MΩ Min. (500V DC)
Mating Durability	30 times

(Note1) Includes temperature rise due to current flow.

Materials / Finish

COMPONENT		MATERIAL	FINISH, REMARKS
Receptacle (Male Connector)	Housing	PA	Black, Gray, Violet
	Contact	Brass	Tin Plating (Under Nickel Plated)
	Retention Tab	Brass	Tin Plating (Under Nickel Plated)
Plug (Female Connector)	Housing	PA	Black, Gray, Violet
	Retainer	PA	Beige
	CPA	PBT	White
	Crimp Contact	Copper Alloy	Tin Plating (Under Copper Plated)
In-line Jack (Male Connector)	Housing	PA	Black
	Retainer	PBT	Dark Gray
	Crimp Contact	Brass	Tin Plating (Under Nickel Plated)

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Product Number Structure

Refer to the chart below when determining the product specifications from the product number.
Please select from the product numbers listed in this catalog when placing orders

■Receptacle/Plug

ZE05 H - 8 D P - 2 H (A)
1 2 3 4 5 6 7 8

■Crimp Contact

ZE05 A - 2022 SCF
1 2 9 10

1 Series Name	ZE05
2 Connector Shape	[Receptacle] H : SMT, None : THR* [Plug] None: Standard, A: Without Flange C: With CPA, D: Without Lock Button [Crimp Contact] None: Standard, A: With Stabilizer
3 No. of Pos.	[Receptacle] 2, 4, 5, 8, 12, 16, 20, 24 (Under Development: 32, 40) [Plug] Without CPA: 2, 4, 5, 8, 12, 16, 20, 24 With CPA: 12, 20 (Under Development:8, 16, 24, 32, 40)
4 Row	None: Single-row D: Double-row
5 Connector Type	P: Receptacle S: Plug
6 Pitch	2mm
7 Part Type	H: Right Angle V: Straight HU/R: Housing/Retainer/CPA
8 Mating Key	None: Standard, A, B
9 Applicable Cable Size	2022: 20 to 22 AWG (0.3 to 0.5mm²) 22: 22 AWG (0.35mm²) 2426: 24 to 26 AWG (0.13 to 0.22mm²)
10 Form Type/Packaging	Female Contact, Reel

*Through Hole Reflow

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■In-line Jack/Retainer

ZE05 – 4 PP - HU
1 2 3 4

■Crimp Contact (In-line)

ZH05 – 2224 PCF
1 5 6

1 Series Name	ZE05 ZH05
2 No. of Pos.	4 pos.
3 Connector Type	PP: Jack（In-line） P: Retainer（In-line）
4 Part Type	HU: Housing R: Retainer
5 Applicable Cable Size	2224: 22 to 24 AWG (0.22 to 0.35mm²) 26: 26 AWG (0.13mm²)
6 Form Type/Packaging	PCF: Male Contact, Reel

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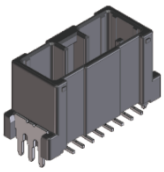
Combination Chart

Receptacle

ZE05H-##P-2H

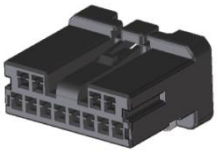
ZE05-##P-2H

ZE05H-##P-2V

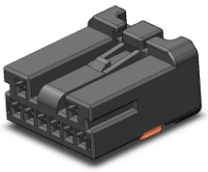


ZE05-##P-2V

Plug / Crimp Contact



ZE05-##S-HU/R

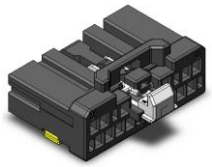


ZE05A-##S-HU/R

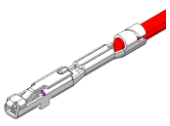
ZE05D-##S-HU/R

ZE05-####SCF

Plug with CPA / Crimp Contact

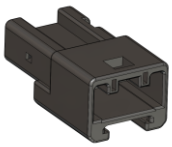


ZE05C-##S-HU/R/C

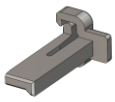


ZE05A-####SCF

In-line Jack Type Retainer/Crimp Contact



ZE05-#PP-HU*



ZE05-#P-R

ZH05-####PCF

*Clip options are available.
The recommended clip is HellermannTyton's CC26SFT712 (www.hellermanntyton.com).
For details, please contact the clip manufacturer.

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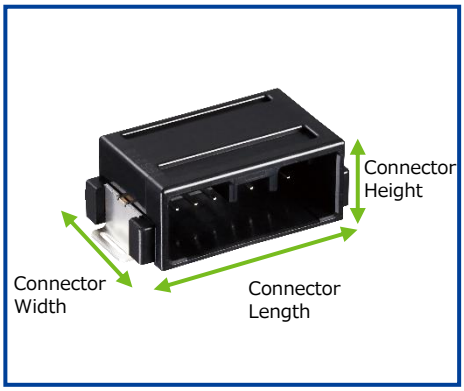
Right Angle Receptacle

◆SMT Retention Tab



*Please refer to the following 2D drawing links for overall length, recommended PCB dimensions, recommended temperature profile, mated connector diagram and packing style drawing.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2109-0-00	ZE05H-2P-2H	2	WEB	2D	SPEC	IGES	STEP	13.7	14.8	8.34	Black	Standard
CL0752-2145-0-00	ZE05H-2P-2H(B)	2	WEB	2D	SPEC	IGES	STEP	13.7	14.8	8.34	Violet	B Key
CL0752-2110-0-00	ZE05H-4P-2H	4	WEB	2D	SPEC	IGES	STEP	17.7	14.8	8.34	Black	Standard
CL0752-2127-0-00	ZE05H-4P-2H(A)	4	WEB	2D	SPEC	IGES	STEP	17.7	14.8	8.34	Gray	A Key
CL0752-2120-0-00	ZE05H-5P-2H	5	WEB	2D	SPEC	IGES	STEP	19.7	14.8	8.34	Black	Standard
CL0752-2112-0-00	ZE05H-8DP-2H	8	WEB	2D	SPEC	IGES	STEP	19.9	14.8	8.84	Black	Standard
CL0752-2122-0-00	ZE05H-8DP-2H(A)	8	WEB	2D	SPEC	IGES	STEP	19.9	14.8	8.84	Gray	A Key
CL0752-2123-0-00	ZE05H-8DP-2H(B)	8	WEB	2D	SPEC	IGES	STEP	19.9	14.8	8.84	Violet	B Key
CL0752-2113-0-00	ZE05H-12DP-2H	12	WEB	2D	SPEC	IGES	STEP	23.9	14.8	8.84	Black	Standard
CL0752-2114-0-00	ZE05H-16DP-2H	16	WEB	2D	SPEC	IGES	STEP	29.9	14.8	8.84	Black	Standard
CL0752-2115-0-00	ZE05H-20DP-2H	20	WEB	2D	SPEC	IGES	STEP	35.9	14.8	8.84	Black	Standard
CL0752-2133-0-00	ZE05H-20DP-2H(A)	20	WEB	2D	SPEC	IGES	STEP	35.9	14.8	8.84	Gray	A Key
CL0752-2116-0-00	ZE05H-24DP-2H	24	WEB	2D	SPEC	IGES	STEP	39.9	14.8	8.84	Black	Standard
CL0752-2132-0-00	ZE05H-24DP-2H(A)	24	WEB	2D	SPEC	IGES	STEP	39.9	14.8	8.84	Gray	A Key
Under Planning (Note 1)	ZE05H-32DP-2H	32	WEB	2D	SPEC	IGES	STEP	40.2	14.8	9.95	Black	Standard
Under Planning (Note 1)	ZE05H-32DP-2H(A)	32	WEB	2D	SPEC	IGES	STEP	40.2	14.8	9.95	Gray	A Key
Under Planning (Note 1)	ZE05H-40DP-2H	40	WEB	2D	SPEC	IGES	STEP	48.2	14.8	9.95	Black	Standard
Under Planning (Note 1)	ZE05H-40DP-2H(A)	40	WEB	2D	SPEC	IGES	STEP	48.2	14.8	9.95	Gray	A Key

Note 1: Products without HRS No. are currently being planned for development.
Contact a Hirose representative regarding questions on pin count variation development.

Note 2: Depopulated version and UL certified specifications are also available.
For details, please contact a Hirose representative.

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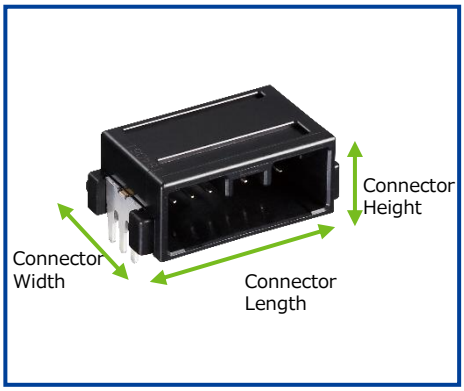
Right Angle Receptacle

◆THR Retention Tab *Through Hole Reflow



*Please refer to the following 2D drawing links for overall length, recommended PCB dimensions, recommended temperature profile, mated connector diagram and packing style drawing.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2100-0-00	ZE05-2P-2H	2	WEB	2D	SPEC	IGES	STEP	12.32	14.8	8.34	Black	Standard
CL0752-2101-0-00	ZE05-4P-2H	4	WEB	2D	SPEC	IGES	STEP	16.32	14.8	8.34	Black	Standard
CL0752-2128-0-00	ZE05-4P-2H(A)	4	WEB	2D	SPEC	IGES	STEP	16.32	14.8	8.34	Gray	A Key
CL0752-2121-0-00	ZE05-5P-2H	5	WEB	2D	SPEC	IGES	STEP	18.32	14.8	8.34	Black	Standard
CL0752-2103-0-00	ZE05-8DP-2H	8	WEB	2D	SPEC	IGES	STEP	18.52	14.8	8.84	Black	Standard
CL0752-2104-0-00	ZE05-12DP-2H	12	WEB	2D	SPEC	IGES	STEP	22.52	14.8	8.84	Black	Standard
CL0752-2105-0-00	ZE05-16DP-2H	16	WEB	2D	SPEC	IGES	STEP	28.52	14.8	8.84	Black	Standard
CL0752-2106-0-00	ZE05-20DP-2H	20	WEB	2D	SPEC	IGES	STEP	34.52	14.8	8.84	Black	Standard
CL0752-2119-0-00	ZE05-20DP-2H(A)	20	WEB	2D	SPEC	IGES	STEP	34.52	14.8	8.84	Gray	A Key
CL0752-2107-0-00	ZE05-24DP-2H	24	WEB	2D	SPEC	IGES	STEP	38.52	14.8	8.84	Black	Standard
CL0752-2124-0-00	ZE05-24DP-2H(A)	24	WEB	2D	SPEC	IGES	STEP	38.52	14.8	8.84	Gray	A Key

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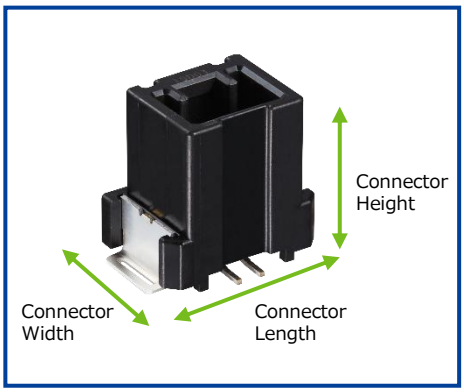
Straight Receptacle

◆SMT Retention Tab



*Please refer to the following 2D drawing links for overall length, recommended PCB dimensions, recommended temperature profile, mated connector diagram and packing style drawing.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2309-0-00	ZE05H-2P-2V	2	WEB	2D	SPEC	IGES	STEP	14.6	10	13.2	Black	Standard
CL0752-2325-0-00	ZE05H-2P-2V(B)	2	WEB	2D	SPEC	IGES	STEP	14.6	10	13.2	Violet	B Key
CL0752-2310-0-00	ZE05H-4P-2V	4	WEB	2D	SPEC	IGES	STEP	18.6	10	13.2	Black	Standard
CL0752-2320-0-00	ZE05H-4P-2V(A)	4	WEB	2D	SPEC	IGES	STEP	18.6	10	13.2	Gray	A Key
CL0752-2312-0-00	ZE05H-8DP-2V	8	WEB	2D	SPEC	IGES	STEP	20.8	10.5	13.2	Black	Standard
CL0752-2313-0-00	ZE05H-12DP-2V	12	WEB	2D	SPEC	IGES	STEP	24.8	10.5	13.2	Black	Standard
CL0752-2314-0-00	ZE05H-16DP-2V	16	WEB	2D	SPEC	IGES	STEP	30.8	10.5	13.2	Black	Standard
CL0752-2315-0-00	ZE05H-20DP-2V	20	WEB	2D	SPEC	IGES	STEP	36.8	10.5	13.2	Black	Standard
CL0752-2316-0-00	ZE05H-24DP-2V	24	WEB	2D	SPEC	IGES	STEP	40.8	10.5	13.2	Black	Standard
Under Planning (Note 1)	ZE05H-40DP-2V	40	WEB	2D	SPEC	IGES	STEP	49.8	11.5	13.2	Black	Standard
Under Planning (Note 1)	ZE05H-40DP-2V(A)	40	WEB	2D	SPEC	IGES	STEP	49.8	11.5	13.2	Gray	A Key

Note 1: Products without HRS No. are currently being planned for development. Contact a Hirose representative regarding questions on pin count variation development.
Note 2: Suction tape is attached as a standard.
Note 3: Depopulated version and UL certified specifications are also available. For details, please contact a Hirose representative.

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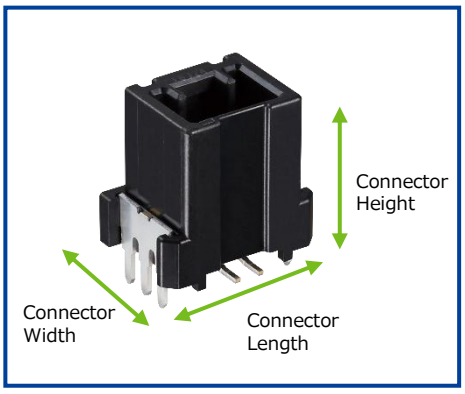
Straight Receptacle

◆THR Retention Tab *Through Hole Reflow



*Please refer to the following 2D drawing links for overall length, recommended PCB dimensions, recommended temperature profile, mated connector diagram and packing style drawing.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2300-0-00	ZE05-2P-2V	2	WEB	2D	SPEC	IGES	STEP	13.22	10	13.2	Black	Standard
CL0752-2301-0-00	ZE05-4P-2V	4	WEB	2D	SPEC	IGES	STEP	17.22	10	13.2	Black	Standard
CL0752-2303-0-00	ZE05-8DP-2V	8	WEB	2D	SPEC	IGES	STEP	19.42	10.5	13.2	Black	Standard
CL0752-2304-0-00	ZE05-12DP-2V	12	WEB	2D	SPEC	IGES	STEP	23.42	10.5	13.2	Black	Standard
CL0752-2305-0-00	ZE05-16DP-2V	16	WEB	2D	SPEC	IGES	STEP	29.42	10.5	13.2	Black	Standard
Under Planning (Note 1)	ZE05-24DP-2V	24	WEB	2D	SPEC	IGES	STEP	39.42	10.5	13.2	Black	Standard

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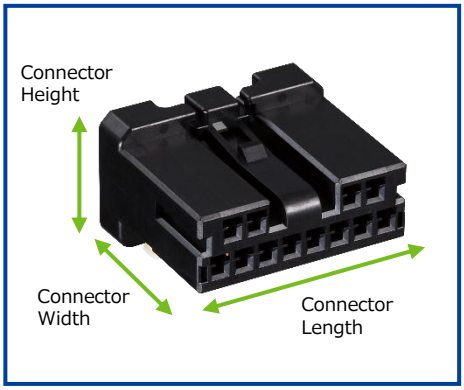
Standard Plug



*Please refer to the following 2D drawing links for overall length, packing style drawing and other notes.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2200-0-00	ZE05-2S-HU/R	2	WEB	2D	SPEC	IGES	STEP	8.8	15.3	9.7	Black	Standard
CL0752-2221-0-00	ZE05-2S-HU/R(B)	2	WEB	2D	SPEC	IGES	STEP	8.8	15.3	9.7	Violet	B Key
CL0752-2201-0-00	ZE05-4S-HU/R	4	WEB	2D	SPEC	IGES	STEP	12.8	15.3	9.7	Black	Standard
CL0752-2216-0-00	ZE05-4S-HU/R(A)	4	WEB	2D	SPEC	IGES	STEP	12.8	15.3	9.7	Gray	A Key
CL0752-2211-0-00	ZE05-5S-HU/R	5	WEB	2D	SPEC	IGES	STEP	14.8	15.3	9.7	Black	Standard
CL0752-2203-0-00	ZE05-8DS-HU/R	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	10.2	Black	Standard
CL0752-2212-0-00	ZE05-8DS-HU/R(A)	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	10.2	Gray	A Key
CL0752-2213-0-00	ZE05-8DS-HU/R(B)	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	10.2	Violet	B Key
CL0752-2204-0-00	ZE05-12DS-HU/R	12	WEB	2D	SPEC	IGES	STEP	17.6	15.3	10.2	Black	Standard
CL0752-2205-0-00	ZE05-16DS-HU/R	16	WEB	2D	SPEC	IGES	STEP	23.6	15.3	10.2	Black	Standard
CL0752-2206-0-00	ZE05-20DS-HU/R	20	WEB	2D	SPEC	IGES	STEP	29.6	15.3	10.2	Black	Standard
CL0752-2210-0-00	ZE05-20DS-HU/R(A)	20	WEB	2D	SPEC	IGES	STEP	29.6	15.3	10.2	Gray	A Key
CL0752-2207-0-00	ZE05-24DS-HU/R	24	WEB	2D	SPEC	IGES	STEP	33.6	15.3	10.2	Black	Standard
CL0752-2214-0-00	ZE05-24DS-HU/R(A)	24	WEB	2D	SPEC	IGES	STEP	33.6	15.3	10.2	Gray	A Key

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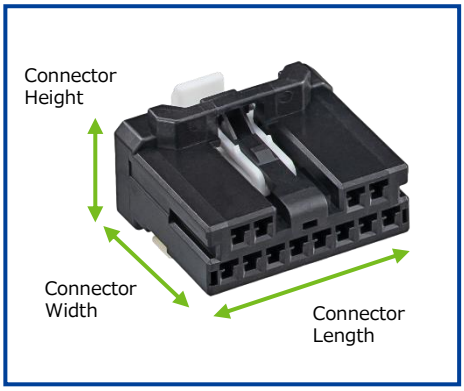
Plug with CPA



*Please refer to the following 2D drawing links for overall length, packing style drawing and other notes.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
Under Planning (Note)	ZE05C-8DS-HU/R/C	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	9.95	Black	Standard
Under Planning (Note)	ZE05C-8DS-HU/R/C(A)	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	9.95	Gray	A Key
Under Planning (Note)	ZE05C-8DS-HU/R/C(B)	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	9.95	Violet	B Key
CL0752-2500-0-00	ZE05C-12DS-HU/R/C	12	WEB	2D	SPEC	IGES	STEP	17.6	15.3	9.95	Black	Standard
Under Planning (Note)	ZE05C-16DS-HU/R/C	16	WEB	2D	SPEC	IGES	STEP	23.6	15.3	9.95	Black	Standard
CL0752-2501-0-00	ZE05C-20DS-HU/R/C	20	WEB	2D	SPEC	IGES	STEP	29.6	15.3	9.95	Black	Standard
CL0752-2502-0-00	ZE05C-20DS-HU/R/C(A)	20	WEB	2D	SPEC	IGES	STEP	29.6	15.3	9.95	Gray	A Key
Under Planning (Note)	ZE05C-24DS-HU/R/C	24	WEB	2D	SPEC	IGES	STEP	33.6	15.3	9.95	Black	Standard
Under Planning (Note)	ZE05C-32DS-HU/R/C	32	WEB	2D	SPEC	IGES	STEP	34.7	15.3	12.76	Black	Standard
Under Planning (Note)	ZE05C-32DS-HU/R/C(A)	32	WEB	2D	SPEC	IGES	STEP	34.7	15.3	12.76	Gray	A Key
Under Planning (Note)	ZE05C-40DS-HU/R/C	40	WEB	2D	SPEC	IGES	STEP	42.7	15.3	12.76	Black	Standard
Under Planning (Note)	ZE05C-40DS-HU/R/C(A)	40	WEB	2D	SPEC	IGES	STEP	42.7	15.3	12.76	Gray	A Key

Note: Products without HRS No. are currently being planned for development.
Contact a Hirose representative regarding questions on pin count variation development.

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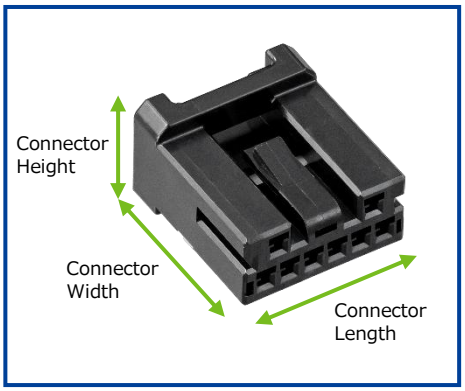
Plug without Lock Button

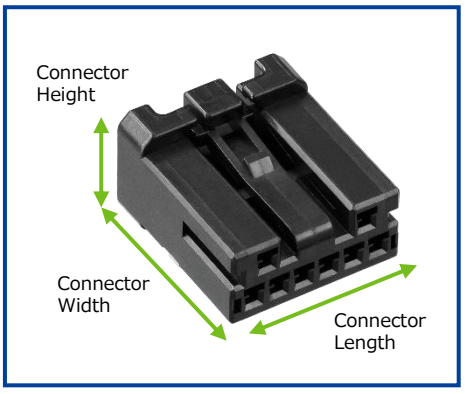


*Please refer to the following 2D drawing links for overall length, packing style drawing and other notes.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2600-0-00	ZE05D-8DS-HU/R	8	WEB	2D	SPEC	IGES	STEP	13.6	15.3	8.55	Black	Standard

Plug without Flange



*Please refer to the following 2D drawing links for overall length, packing style drawing and other notes.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2217-0-00	ZE05A-4S-HU/R	4	WEB	2D	SPEC	IGES	STEP	15.3	5.3	8.05	Black	Standard
CL0752-2220-0-00	ZE05A-8DS-HU/R	8	WEB	2D	SPEC	IGES	STEP	15.3	6.44	8.55	Black	Standard
CL0752-2218-0-00	ZE05A-12DS-HU/R	12	WEB	2D	SPEC	IGES	STEP	15.3	6.44	8.55	Black	Standard

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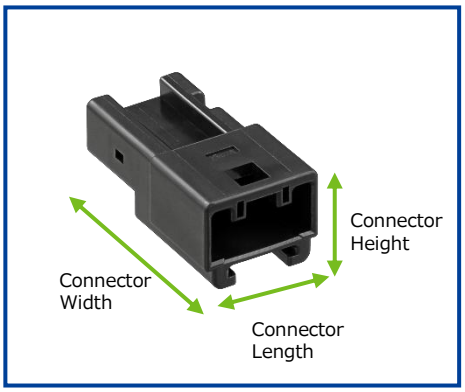
In-line Jack



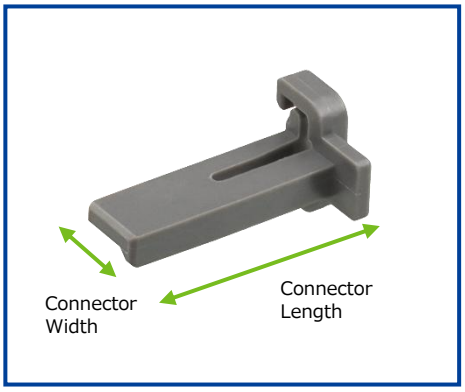
*Please refer to the following 2D drawing links for overall length and packing style drawing.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width	Connector Height	Color	Mating Key
CL0752-2700-0-00	ZE05-4PP-HU	4	WEB	2D	SPEC	IGES	STEP	13.3	25	10.3	Black	Standard

Note: Please use this product with the retainer (ZE05-#P-R).

Retainer



*Please refer to the following 2D drawing links for overall length and packing style drawing.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Connector Length	Connector Width
CL0752-2701-0-00	ZE05-4P-R	4	WEB	2D	SPEC	IGES	STEP	10.65	5.45

Note: Please use this product with the plug (ZE05-#PP-HU(#))

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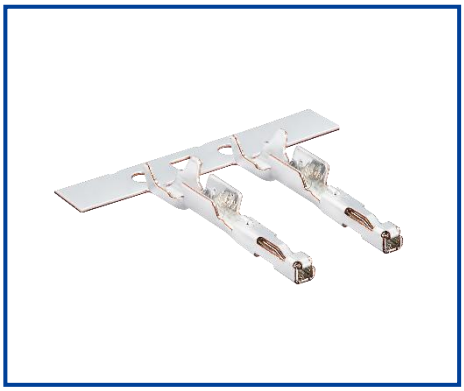
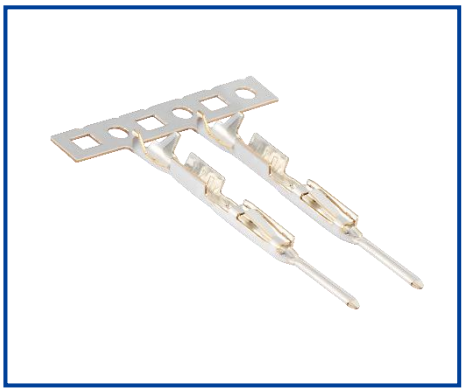
Crimp Contact (Plug)



*Please refer to the following 2D drawing links for overall length and packing style drawing.

HRS No.	Part No.	WEB Link	2D	SPEC	Applicable Cable
CL0752-2001-0-00	ZE05-2022SCF	WEB	2D	SPEC	20-22 AWG (0.3-0.5mm²) Coated Outer Diameter ø1.6mm [AESSX etc]
CL0752-2002-0-00	ZE05A-2022SCF	WEB	2D	SPEC	
CL0752-2011-0-00	ZE05-22SCF	WEB	2D	SPEC	22 AWG (0.35mm²)
CL0752-2009-0-00	ZE05-2426SCF	WEB	2D	SPEC	24-26 AWG (0.13-0.22mm²)
CL0752-2010-0-00	ZE05A-2426SCF	WEB	2D	SPEC	

Crimp Contact (In-line)



*Please refer to the following 2D drawing links for overall length and packing style drawing.

HRS No.	Part No.	WEB Link	2D	SPEC	Applicable Cable
CL0756-2001-0-00	ZH05-2224PCF	WEB	2D	SPEC	22-24 AWG (0.22-0.35mm²) Coated Outer Diameter ø1.4 (FLRY)
CL0756-2004-0-00	ZH05-26PCF	WEB	2D	SPEC	26 AWG (0.13mm²)

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Type		HRS No.	Part No.	WEB Link	Applicable Cable
Applicator	HRS	CL0901-5239-0-00	AP105-ZE05-2022S	WEB	ZE05-2022SCF
		CL0901-5260-0-00	AP105-ZE05A-2022S	WEB	ZE05A-2022SCF
		CL0901-5274-0-00	AP105-ZE05A-22S	WEB	ZE05-22SCF
		CL0901-5270-0-00	AP105-ZE05A-2426S	WEB	ZE05-2426SCF ZE05A-2426SCF
	JAPAN AUTOMATIC MACHINE Co., LTD (Note 1)	-	CHX022700H	WEB	ZE05-2022SCF
Hand Tool (Note 2)	HRS	CL0780-0045-0-00	HT802/ZE05-2022SNote 3	WEB	ZE05-2022SCF ZE05A-2022SCF
Retainer Release Tool (ZE05)	For 1-row only (2, 4 and 5pos.)	CL0902-5160-0-00	ZE05-2DC-HU/R/RE-MD	WEB	-
	For 2-row only (8, 12 and 16pos.)	CL0902-5143-0-00	ZE05-12DC-HU/R/RE-MD	WEB	-
	For 20, 24pos. Only	CL0902-5160-0-00	ZE05-20-24DC-HU/R/RE-MD	WEB	-
Retainer Release Tool (ZE05C)	All Pins	CL0902-5183-0-00	ZE05C/RE-MD	WEB	-
Terminal Extraction Tool	-	CL0780-0045-0-00	ZE05/RE-MD	WEB	-

In-line Type

Type	HRS No.	Part No.	WEB Link	Applicable Cable
Applicator	CL0901-5253-0-00	AP105-ZH05-2224P	WEB	ZH05-2224PCF
	CL0901-5269-0-00	AP105-ZH05-26P	WEB	ZH05-26PCF
Hand Tool (Note 2)	CL0550-0315-0-00	HT802/ZH05-2224P	WEB	ZH05-2224PCF
Contact Extracting Tool	CL0902-5161-0-00	ZH05/RE-MD	WEB	-
Retainer Release Tool	CL0902-5162-0-00	ZH05/R/RE-MD	WEB	-

Note 1: Contact Japan Automatic Machine (J.A.M.) regarding crimping failure relating to applicable J.A.M. applicators or for other applicator inquiries via the J.A.M. website. (URL : http://www.jam-net.co.jp)
Note 2: Hand tools are developed as a prototype tool during product development. Use an applicator for mass production.
Note 3: Applicable cables are limited to 0.3 and 0.5mm². Cut the reel terminal for use with the hand tool.
Note 4: Crimping should be carried out based on the "Crimping Quality Standards" and "Crimping Conditions Table."
Note 5: Problems caused by tools other than those specified are not covered by the warranty.

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Design and Manufacturing Guidelines

We have compiled reference materials to assist you when using our connectors. Please be sure to review them before designing and using the products. You can access each document via the links in the table below.

Name	Overview
ZE05 Series Handling Procedure Manual	This document provides instructions for crimping applicable contacts for the ZE05 #S-HU/R(*) series, harness assembly, and mating procedures. ●Please refer to the document below.Link
ZE05C Series Handling Procedure Manual	This document provides instructions for crimping applicable contacts for the ZE05C #S-HU/R/C(*) series, harness assembly, and mating procedures. Please refer to the document below. Link (Japanese) For details, please contact a Hirose representative.
Instruction Manual for Handling of Reel Packaging Containing Crimp Terminals	This document provides instructions for handling reel-packaged crimp contacts to help prevent issues such as loose winding and contact damage.: Link
Crimp Quality Standard	For crimp quality requirements, please refer to the documents below. ZE05-2022SCF ZE05A-2022SCF ZE05-22SCF ZE05-2426SCF ZE05A-2426SCF
Crimp Condition Table	For crimping conditions, please refer to the documents below. ZE05-2022SCF ZE05A-2022SCF ZE05-22SCF ZE05-2426SCF ZE05A-2426SCF

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While taking into consideration

Specifications mentioned in this catalog are reference values.
When considering to order or use this product, please review the Drawing and Product Specifications sheets.
Use an appropriate cable when using the connector in combination with cables.
If considering usage of a non-specified cable, please contact your sales representative.
If assembly process is done by jigs & tools which are not identified by Hirose, the warranty of the product may be affected.
If considering usage for below mentioned applications, please contact your sales representative.
In cases where the application will demand a high level of reliability, such as automotive, medical instruments, public infrastructure, aerospace/ defense etc. Hirose must review before assurance of reliability can be given.

HIROSE

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