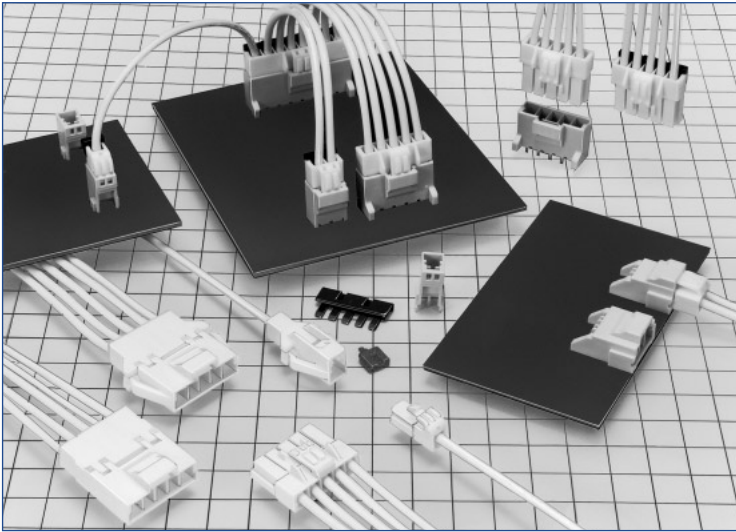
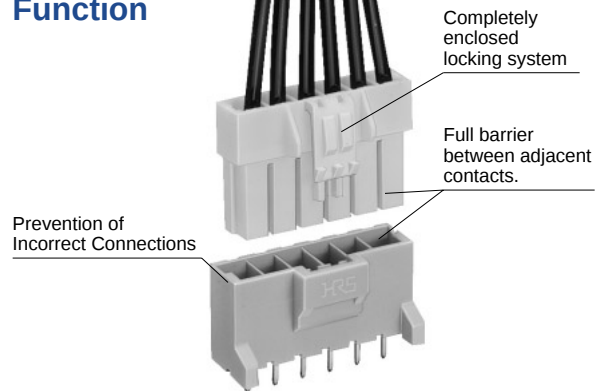


3.96 mm Pitch Miniature Connectors for Internal Power Supplies (UL,C-UL and TÜV Listed)

DF7 Series



Complete Locking Function



Features

1. Complete Locking Function

Reliable interior lock protects mated connectors from accidental disconnection.

2. Increased Contact Retention of Crimped Contacts and Prevention of Incomplete Insertion

Separate contact retainer increases the contact retention, assures and visually confirms the complete contact insertion.

3. Molded-in Contact Retention Tabs

Handling of terminated contacts during the assembly and termination is easier and avoids entangling of wires, since there are no protruding metal tabs.

4. Incorrect Insertion Prevention

Connectors are polarized to assure correct mating with corresponding parts.

5. Solder Crack Prevention

Glass reinforced resin is used in the pin header bodies to prevent solder cracks caused by the heat shrinkage.

6. Prevention of Incorrect Board Placement

Built-in locating posts assure correct connector placement and orientation on the board.(2-12 pos.)

7. Supports Sealing after Installation.

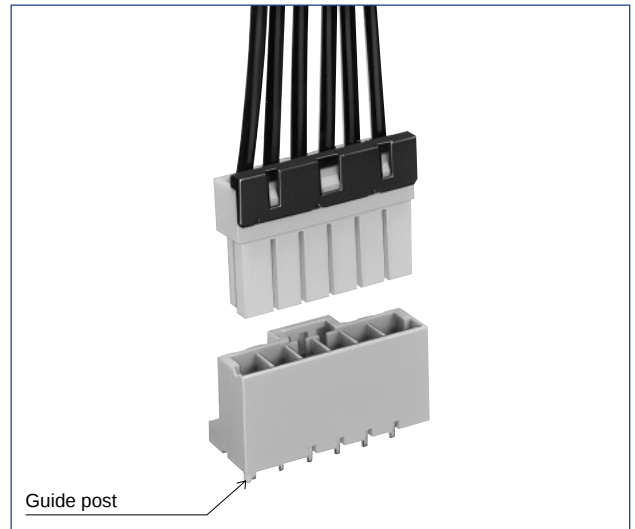
Sealing compound can be applied to the board installed connector for distance of 6 mm max. from the mounting surface (9 mm max. for single position).

8. Cost Effective Tooling

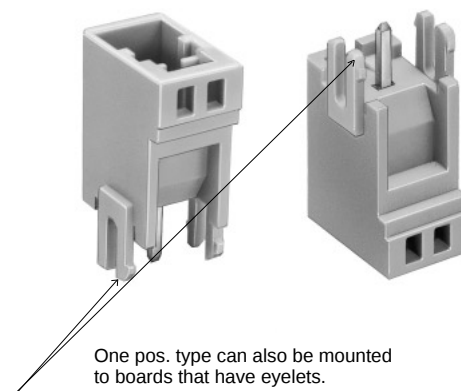
The same crimping tools are used to terminate socket and pin contacts.

9. Prevention of Short Circuits between Adjacent Contacts

Each contact is completely surrounded by the insulator housing, electrically isolating it from adjacent contacts.



Board Eyelet mounting



Continued.

10. 10 A maximum Current

Connector can carry current of 10 A per contact with #16 AWG conductor. Refer to page 3 for current ratings for multi-position connectors using other conductor sizes.

11. Color Variations

1 pos. is available in a standard 3 colors: natural, blue, and red.

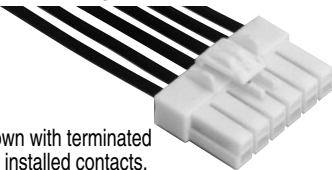
12. Supports Eyelets

1 pos. can be mounted to boards which have eyelets attached.

Applications

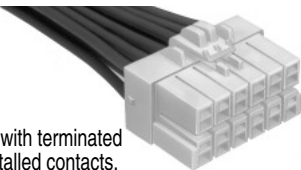
Office equipment, power supplies for industrial, medical and instrumentation applications, variety of consumer electronic and electrical applications.

●Single row



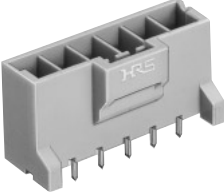
Shown with terminated and installed contacts. Refer to page 8, 9 for details.

●Double rows



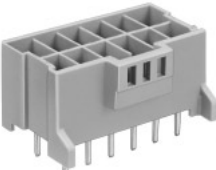
Shown with terminated and installed contacts. Refer to page 12 for details.

●Single row, straight type



Refer to page 4 for details.

●Double rows, straight type



Refer to page 11 for details.

●Single row, right angle type



Refer to page 5 for details.

●Double row, right angle type



Refer to page 11 for details.

●Panel lock type

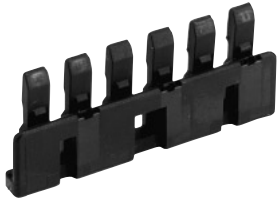


Shown with terminated and installed contacts. Refer to page 6 for details.



Shown with terminated and installed contacts. Refer to page 7 for details.

Retainer
(optional, order separately)



Refer to page 10 for details.

Ordering information

●Socket, Header

DF7 - * S - 3.96 C

1

2

3

4

5

●Contacts

DF7 - ** SCF

1

6

7

1	Series name: DF7, DF7A, DF7E	6	Applicable Conductor
2	Number of contacts: 1 to 5		1618: AWG 16 to AWG 18
3	Connector type		2022: AWG 20 to AWG 22
	S: Socket		2426: AWG 24 to AWG 26
	DS: Double-row socket	7	Packaging
	P: Header		SCF: Socket contacts / Reel
	DP: Double-row Header		SC: Socket contacts / Bag
	EP: In-line plug		PCF: Plug contacts / Reel
	RS/P: Retainer		PC: Plug contacts / Bag
4	Contact pitch: 3.96mm(7.92 mm)		
5	Type of housing: header		
	C: Crimp housing		
	DSA: Straight header		
	DS: Right-angle header		
	Blank: Retainer		

2 HRS

■Product Specifications

Ratings	Current rating	Row	No. of contacts	AWG16	AWG18	AWG20	AWG22	AWG24	AWG26		
		1	2~10	10A	7A	5A	4A	4A	3A	Operating temperature range	-35℃ to 85℃ (Note 1)
		2	4	10A	9A	7A	6A	4A	3A	Operating humidity range	20% to 80%
			6	9A	8A	6A	5A	4A	3A		
			8	9A	8A	6A	5A	4A	3A		
			10	8A	7A	5A	4A	4A	3A	Storage temperature range	-10℃to 60℃ (Note 2)
			12	8A	7A	5A	4A	4A	3A	Storage humidity range	40% to 70% (Note 2)
	Voltage rating	Specificatoin				AC630V				UL/C-UL/TÜV	File No.and Recognition No
		UL/C-UL				AC/DC 600V				UL	:E52653
		TÜV				AC/DC 600V(7.92mm pitch)				C-UL	:E52653
						AC/DC 300V (3.96mm pitch)				TÜV	:R9750437

Item	Specification	Condition
1. Contact resistance	Contact resistance (Initial value)	10 m ohms max. 20mV max., 1mA
2. Insulator resistance	1000 M ohms min.	500 V DC
3. Withstanding voltage	No flashover or Insulator breakdown	1500 V AC for 1 minute
4. Insertion-Extraction force (per contact)	0.3N min., 4.5N max.	Measured with a steel pin of 0.64 x 1.2 ± 0.002 mm
5. Durability (mating/unmating)	30 cycles	Contact resistance of 20 m ohms max.
6. Vibration	No momentary disconnections of 1 μs min.	Frequency 10 to 55 Hz, single amplitude of 0.75 mm, 3 axis, 2 hours
7. Shock	No electrical discontinuity of 1 μs. min.	Acceleration of 490 m/s ² , 11 ms duration, sine half-wave waveform, 3 cycles in each of the 3 axis.
8. Humidity	Contact resistance 20 m ohms max.	Temperature 40℃ ± 2℃, 90% to 95% RH, 96 hours
9. Temperature cycle	Contact resistance of 20 m ohms max.	(-55℃: 30 minutes → 5 to 35℃: 5 minutes → 85℃: 30 minutes → 5 to 35℃: 5 minutes) for 5 cycles
10. Resistance to soldering heat	No deformation of the insulator parts affecting performance	Flow solder temperature 250℃, 10 seconds Manual soldering: Soldering iron temperature 300℃, 3 seconds

Note 1: Includes temperature rise caused by the current flow.

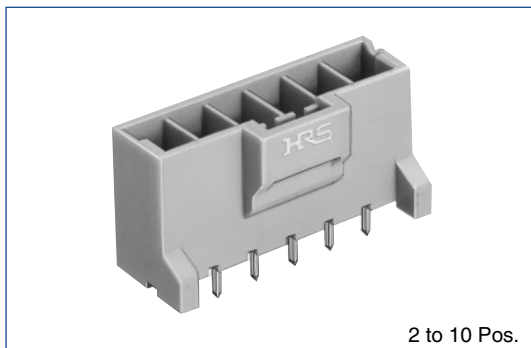
Note 2: The term “storage” refers to products stored for long period of time prior to mounting and use. Operating Temperature Range and Humidity range covers non- conducting condition of installed connectors in storage, shipment or during transportation.

■Materials

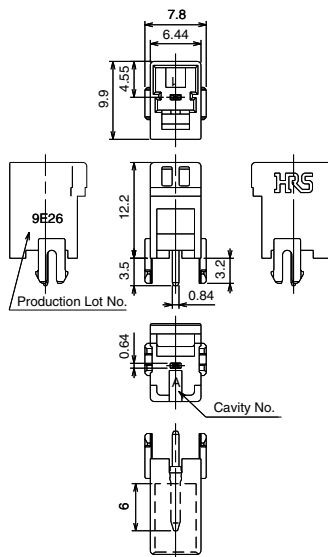
Product	Part	Material	Finish	Remarks
Sockets	Insulator	Polyamide	Color: White	UL94V-0
Headers	Insulator	Polyamide (Glass reinforced)	Color: Beige (Single row) Color: Grey (Double row)	UL94V-0
	Contact	High conductivity copper alloy	Tin-lead plating (Note)	—
In-line plug	Insulator	Polyamide	Color: White	UL94V-0
Retainer	Insulator	Polyamide	Color: Black	UL94V-0
Crimp contacts	Contacts	High conductivity copper alloy	Tin plating (Note)	—

Note: Hirose Electric's plating incorporates anti-whisking compounds.

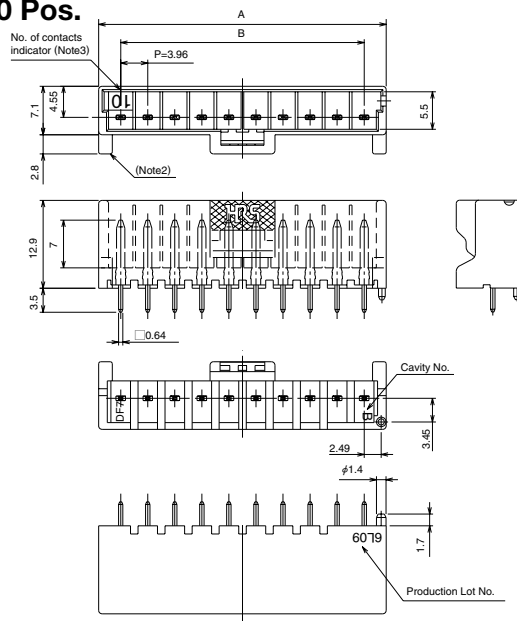
Straight header



1 Pos.



2 to 10 Pos.



Part Number	CL No.	Number of contacts	A	B
DF7- 1P-3.96DSA	CL680-0133-1	1	—	—
DF7- 2P-3.96DSA	CL680-0036-5	2	10.40	3.96
DF7- 3P-3.96DSA	CL680-0037-8	3	14.36	7.92
DF7- 4P-3.96DSA	CL680-0038-0	4	18.32	11.88
DF7- 5P-3.96DSA	CL680-0039-3	5	22.28	15.84
DF7- 6P-3.96DSA	CL680-0040-2	6	26.24	19.80
DF7- 7P-3.96DSA	CL680-0041-5	7	30.20	23.76
DF7- 8P-3.96DSA	CL680-0042-8	8	34.16	27.72
DF7- 9P-3.96DSA	CL680-0043-0	9	38.12	31.68
DF7-10P-3.96DSA	CL680-0044-3	10	42.08	35.64
DF7- 2P-7.92DSA	CL680-0108-4	2	14.36	7.92
DF7- 3P-7.92DSA	CL680-0109-7	3	22.28	15.84
DF7- 4P-7.92DSA	CL680-0110-6	4	30.20	23.76
DF7- 5P-7.92DSA	CL680-0111-9	5	38.12	31.68

Note 1) Bag packaging (100 pieces/bag). Order by number of bags.

Note 2) The 2 pos. type does not have walls on both sides.

Note 3) DF7-2P-7.92DSA plug has #2 contact positions of DF7-3P-3.96DSA without contacts inserted and the number of pos. indication is 2.

(Mating receptacle: DF7#-3S-3-96C)

DF7-3P-7.92DSA plug has #2 and #4 contact positions of DF7-5P-3.96DSA without contacts inserted and the number of pos. indication is 3.

(Mating receptacle: DF7#-5S-3-96C)

DF7-4P-7.92DSA plug has #2, #4 and #6 contact positions of DF7-7P-3.96DSA without contacts inserted and the number of pos. indication is 4.

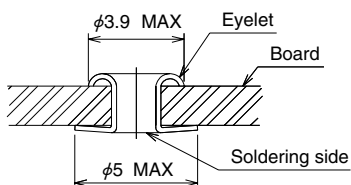
(Mating receptacle: DF7#-7S-3-96C)

DF7-5P-7.92DSA plug has #2, #4, #6 and #8 contact positions of DF7-9P-3.96DSA without contacts inserted and the number of pos. indication is 5.

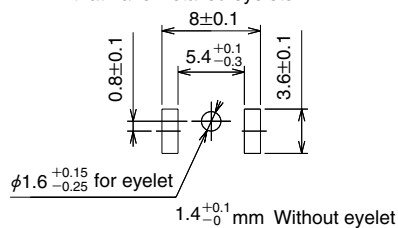
(Mating receptacle: DF7#-9S-3-96C)

PCB mounting pattern (Board thickness: 1.6 ± 0.1)

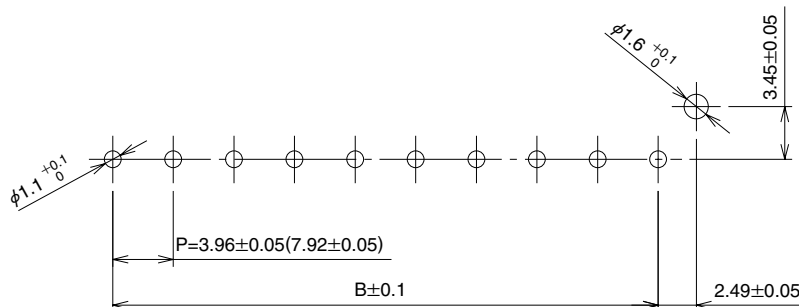
1 Pos.



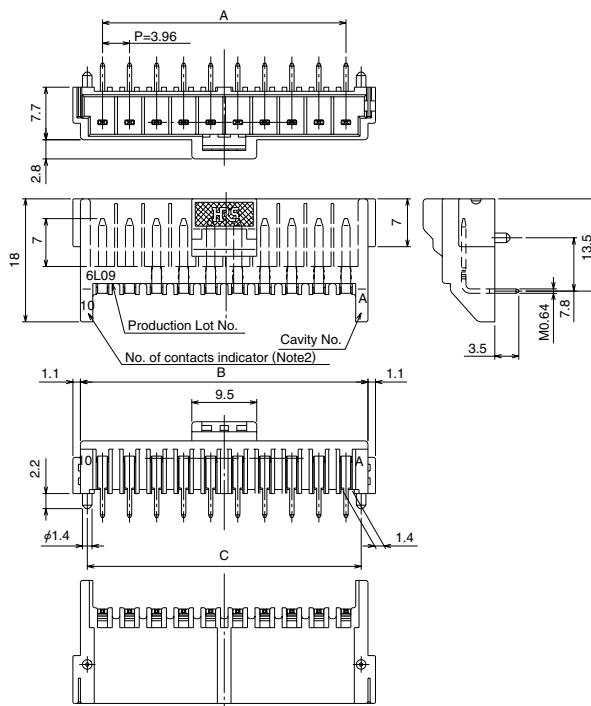
Note 5: One pos. type can also be mounted to boards that have installed eyelets.



2 to 10 Pos.



■ Right angle header



Part Number	CL No.	Number of contacts	A	B	C	Quantity per tray
DF7- 2P-3.96DS(24)	CL680-0081-0-24	2	3.96	10.40	8.40	114
DF7- 3P-3.96DS(24)	CL680-0082-2-24	3	7.92	14.36	12.36	84
DF7- 4P-3.96DS(24)	CL680-0083-5-24	4	11.88	18.32	16.32	66
DF7- 5P-3.96DS(24)	CL680-0084-8-24	5	15.84	22.28	20.28	60
DF7- 6P-3.96DS(24)	CL680-0085-0-24	6	19.80	26.24	24.24	48
DF7- 7P-3.96DS(24)	CL680-0086-3-24	7	23.76	30.20	28.20	42
DF7- 8P-3.96DS(24)	CL680-0087-6-24	8	27.72	34.16	32.16	36
DF7- 9P-3.96DS(24)	CL680-0088-9-24	9	31.68	38.12	36.12	36
DF7-10P-3.96DS(24)	CL680-0089-1-24	10	35.64	42.08	40.08	30
DF7- 2P-7.92DS(24)	CL680-0124-0-24	2	7.92	14.36	12.36	84
DF7- 3P-7.92DS(24)	CL680-0125-3-24	3	15.84	22.28	20.28	60
DF7- 4P-7.92DS(24)	CL680-0126-6-24	4	23.76	30.20	28.20	42
DF7- 5P-7.92DS(24)	CL680-0127-9-24	5	31.68	38.12	36.12	36

Note 1) Tray packaging. Order by number of quantity in the tray.

Note 2) DF7-2P-7.92DS plug has #2 contact positions of DF7-3P-3.96DS without contacts inserted and the number of pos. indication is 2.

(Mating receptacle: DF7#-3S-3-96C)

DF7-3P-7.92DS plug has #2 and #4 contact positions of DF7-5P-3.96DS without contacts inserted and the number of pos. indication is 3.

(Mating receptacle: DF7#-5S-3-96C)

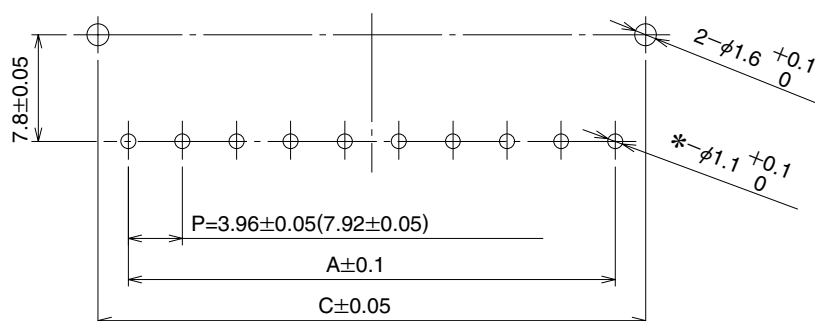
DF7-4P-7.92DS plug has #2, #4 and #6 contact of DF7-7P-3.96DS without contacts inserted and the number of pos. indication is 4.

(Mating receptacle: DF7#-7S-3-96C)

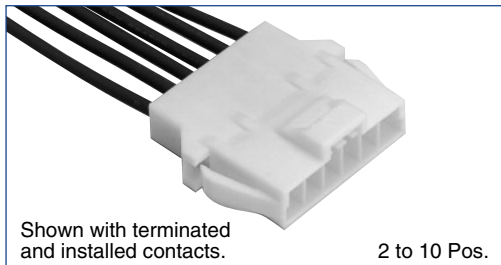
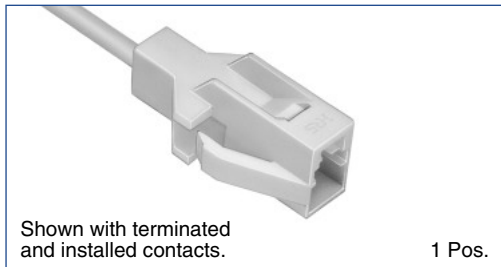
DF7-5P-7.92DS plug has #2, #4, #6 and #8 contact positions of DF7-9P-3.96DS without contacts inserted and the number of pos. indication is 5.

(Mating receptacle: DF7#-9S-3-96C)

◆ PCB mounting pattern (Board thickness: 1.6 ± 0.1)



■ In-line plug (Panel lock type)

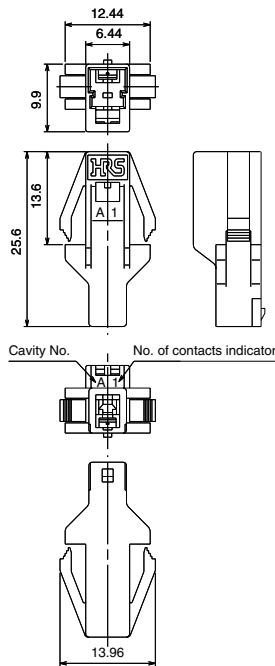


Part Number	CL No.	Number of contacts	A	B	C
DF7- 1EP-3.96C	CL680-0134-4	1	6.44	—	13.96
DF7- 2EP-3.96C	CL680-0018-3	2	10.40	3.96	17.40
DF7- 3EP-3.96C	CL680-0019-6	3	14.36	7.92	21.36
DF7- 4EP-3.96C	CL680-0020-5	4	18.32	11.88	25.32
DF7- 5EP-3.96C	CL680-0021-8	5	22.28	15.84	29.28
DF7- 6EP-3.96C	CL680-0022-0	6	26.24	19.80	33.24
DF7- 7EP-3.96C	CL680-0023-3	7	30.20	23.76	37.20
DF7- 8EP-3.96C	CL680-0024-6	8	34.16	27.72	41.16
DF7- 9EP-3.96C	CL680-0025-9	9	38.12	31.68	45.12
DF7-10EP-3.96C	CL680-0026-1	10	42.08	35.64	49.08

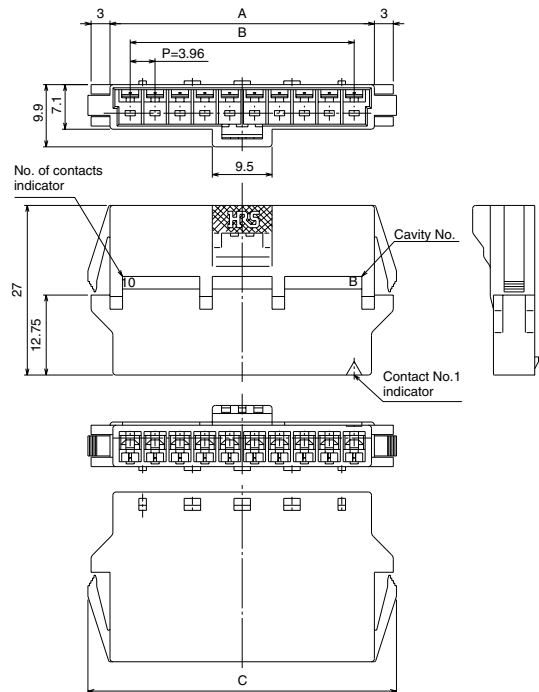
Note1: Bag packaging (100 pieces/bag). Order by number of bags.

Note2: Refer to page 10 for retainer.

1 Pos.

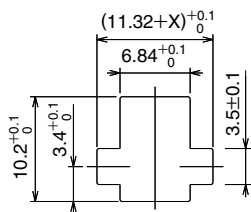


2 to 10 Pos.



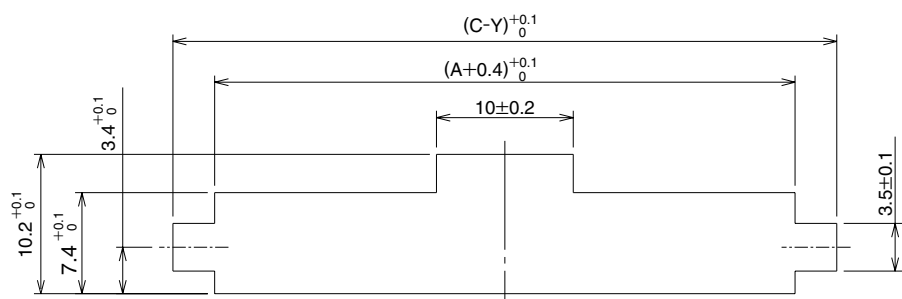
◆ Panel Cutout

1 Pos.

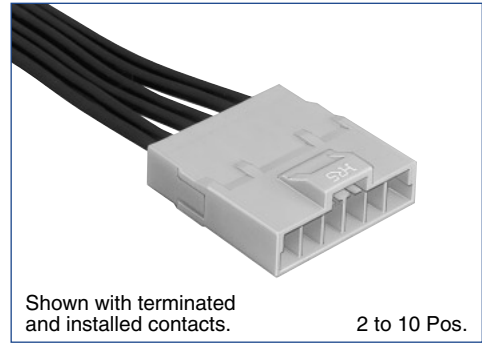
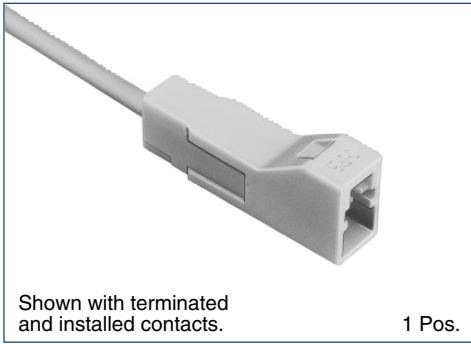


	X	Y
2.0	1.44	0.88
1.6	0.96	0.96
1.2	0.48	1.44
0.8	0	1.92

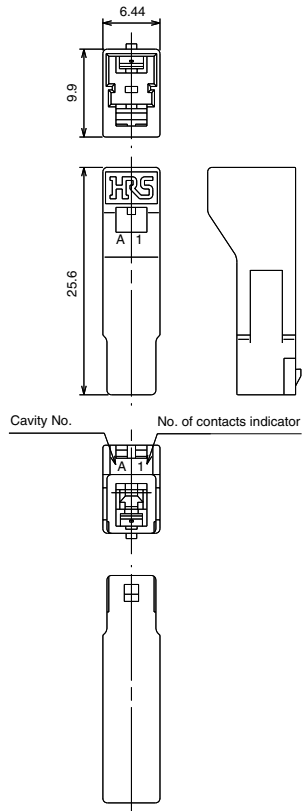
2 to 10 Pos.



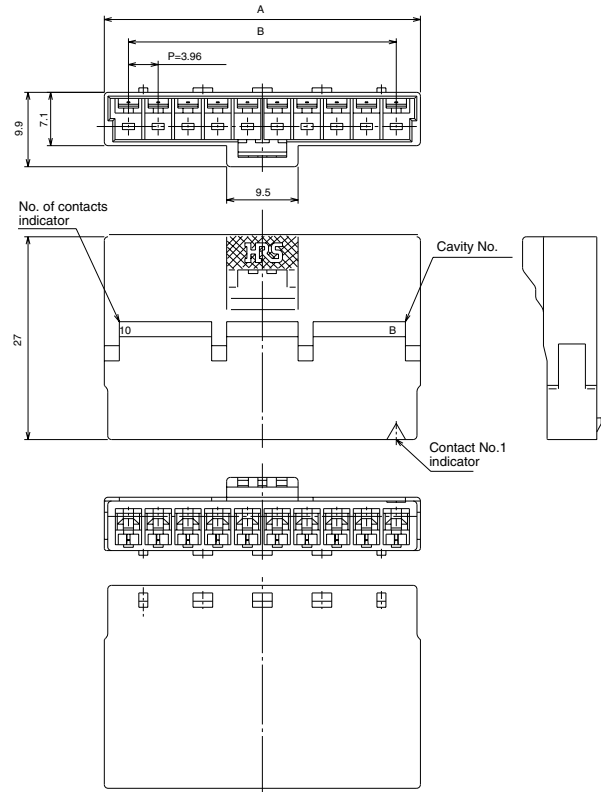
■ In-line Plug



1 Pos.



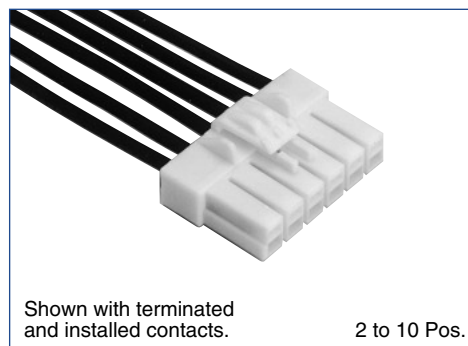
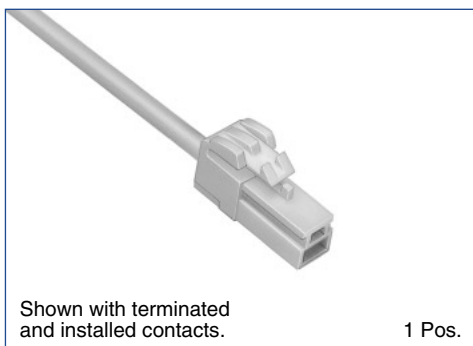
2 to 10 Pos.



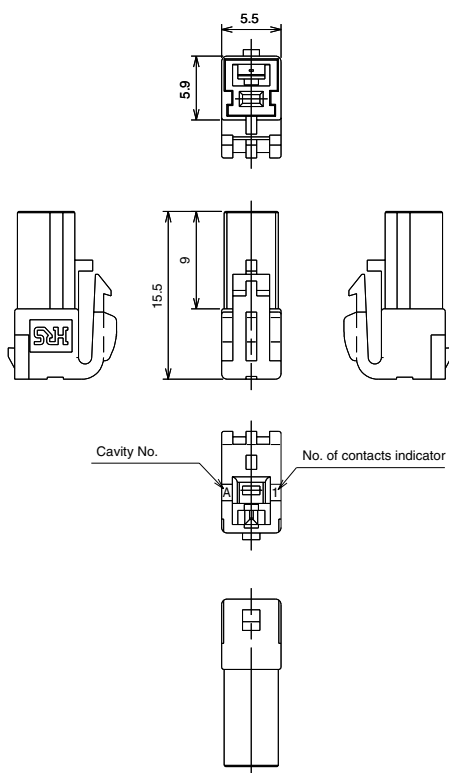
Part Number	CL No.	Number of contacts	A	B
DF7A- 1EP-3.96C	CL680-0135-7	1	6.44	————
DF7A- 2EP-3.96C	CL680-0072-9	2	10.40	3.96
DF7A- 3EP-3.96C	CL680-0073-1	3	14.36	7.92
DF7A- 4EP-3.96C	CL680-0074-4	4	18.32	11.88
DF7A- 5EP-3.96C	CL680-0075-7	5	22.28	15.84
DF7A- 6EP-3.96C	CL680-0076-0	6	26.24	19.80
DF7A- 7EP-3.96C	CL680-0077-2	7	30.20	23.76
DF7A- 8EP-3.96C	CL680-0078-5	8	34.16	27.72
DF7A- 9EP-3.96C	CL680-0079-8	9	38.12	31.68
DF7A-10EP-3.96C	CL680-0080-7	10	42.08	35.64

Note1: Bag packaging (100 pieces/bag). Order by number of bags.
Note2: Refer to page 10 for retainer.

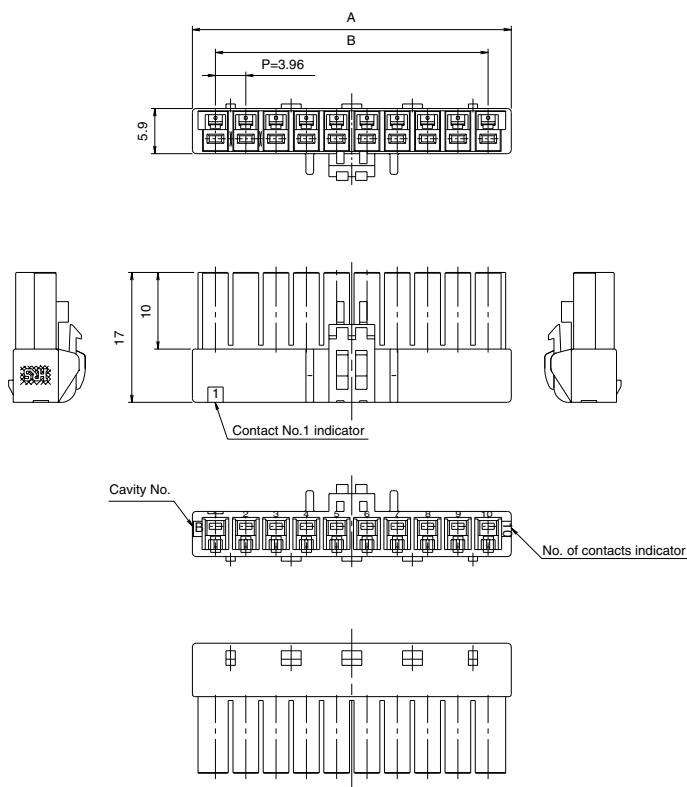
■ Crimp Sockets



1 Pos.



2 to 10 Pos.

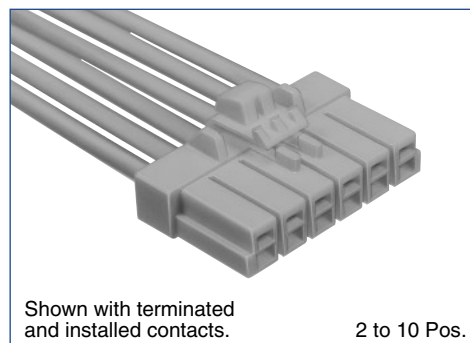
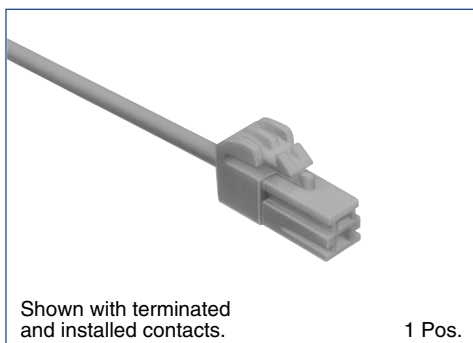


Part Number	CL No.	Number of contacts	A	B
DF7- 1S-3.96C	CL680-0132-9	1	5.50	—
DF7- 2S-3.96C	CL680-0009-2	2	10.00	3.96
DF7- 3S-3.96C	CL680-0010-1	3	13.96	7.92
DF7- 4S-3.96C	CL680-0011-4	4	17.92	11.88
DF7- 5S-3.96C	CL680-0012-7	5	21.88	15.84
DF7- 6S-3.96C	CL680-0013-0	6	25.84	19.80
DF7- 7S-3.96C	CL680-0014-2	7	29.80	23.76
DF7- 8S-3.96C	CL680-0015-5	8	33.76	27.72
DF7- 9S-3.96C	CL680-0016-8	9	37.72	31.68
DF7-10S-3.96C	CL680-0017-0	10	41.68	35.64

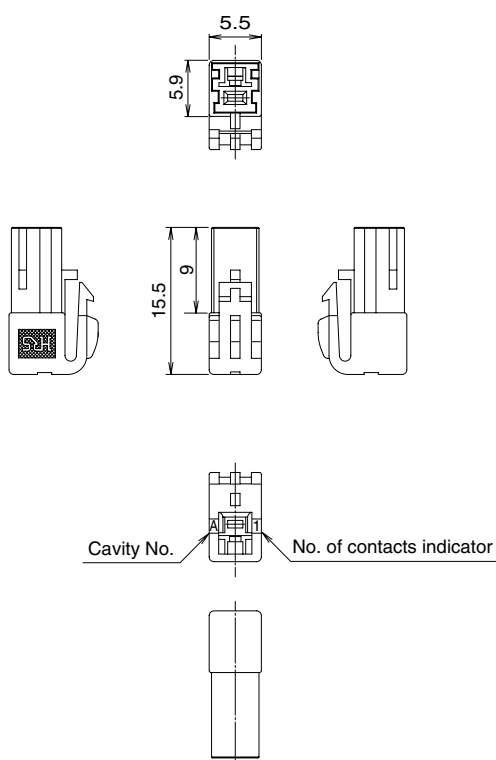
Note1: Bag packaging (100 pieces/bag). Order by number of bags.

Note2: Refer to page 10 for retainer.

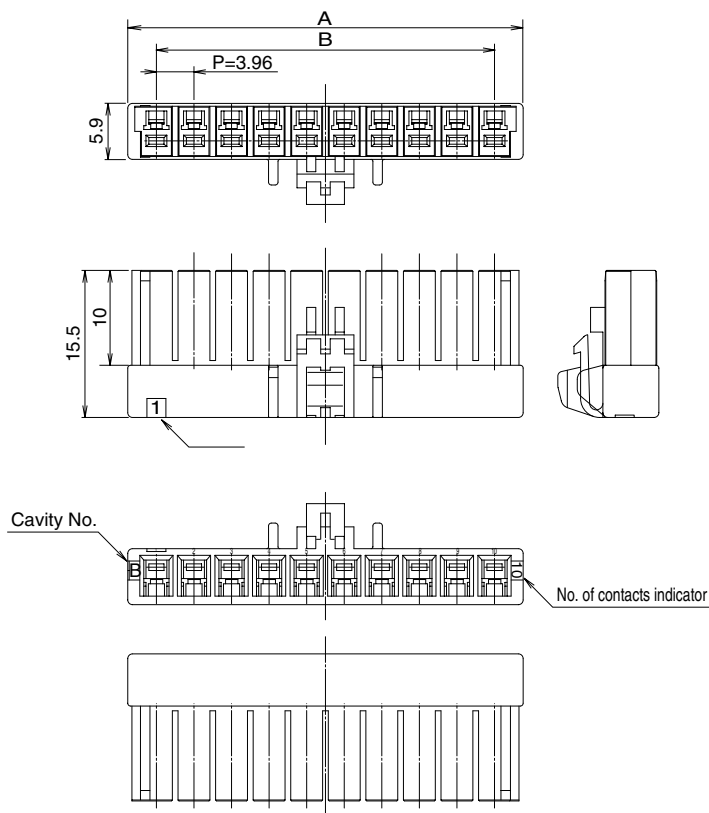
■ Low profile Crimp Sockets



1 Pos.



2 to 10 Pos.



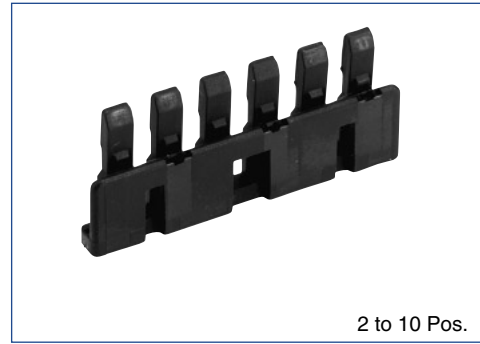
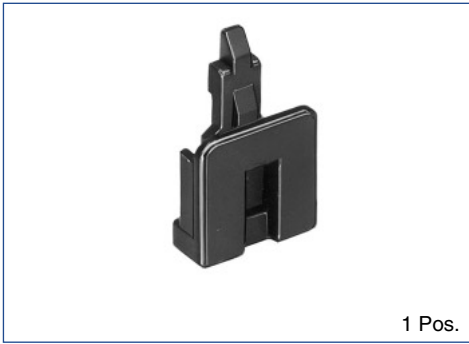
Part Number	CL No.	Number of contacts	A	B
DF7E- 1S-3.96C	CL680-0194-6	1	5.50	—
DF7E- 2S-3.96C	CL680-0195-9	2	10.00	3.96
DF7E- 3S-3.96C	CL680-0196-1	3	13.96	7.92
DF7E- 4S-3.96C	CL680-0197-4	4	17.92	11.88
DF7E- 5S-3.96C	CL680-0198-7	5	21.88	15.84
DF7E- 6S-3.96C	CL680-0199-0	6	25.84	19.80
DF7E- 7S-3.96C	CL680-0200-7	7	29.80	23.76
DF7E- 8S-3.96C	CL680-0201-0	8	33.76	27.72
DF7E- 9S-3.96C	CL680-0202-2	9	37.72	31.68
DF7E-10S-3.96C	CL680-0203-5	10	41.68	35.64

Note1: Bag packaging (100 pieces/bag). Order by number of bags.

Note2: Retainer is optional.

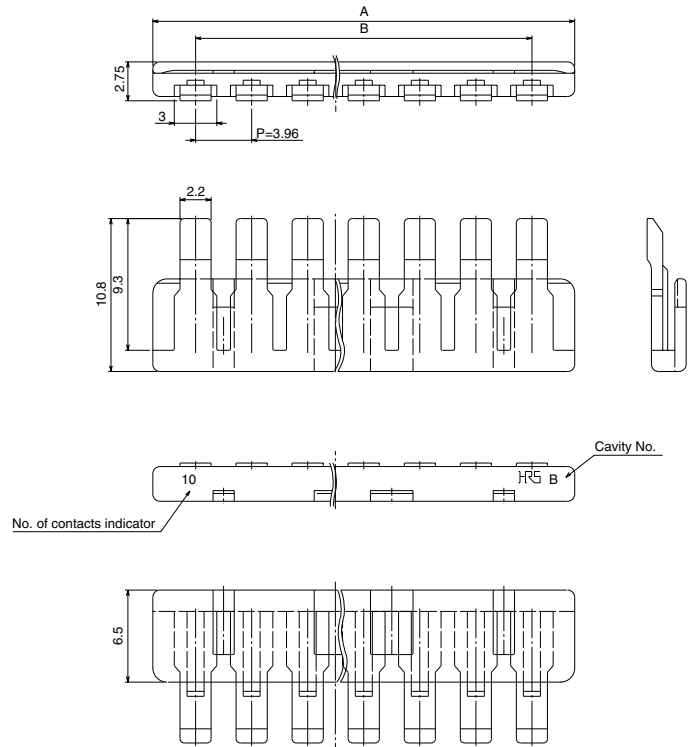
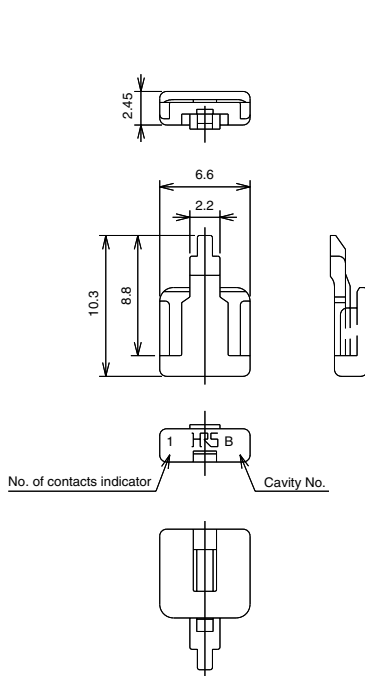
Note3: Refer to Page 14 for crimp contact.

■ Retainer



1 Pos.

2 to 10 Pos.

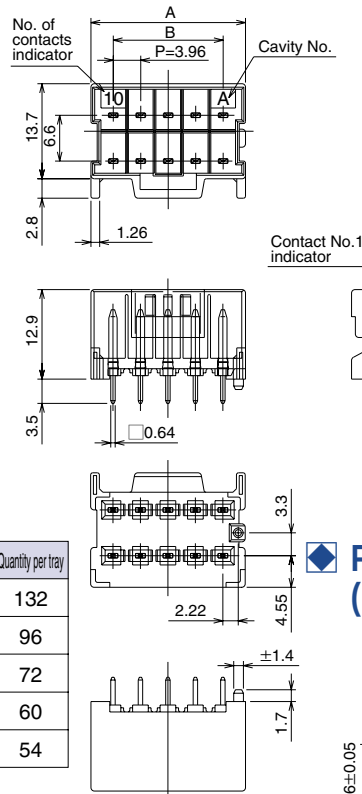
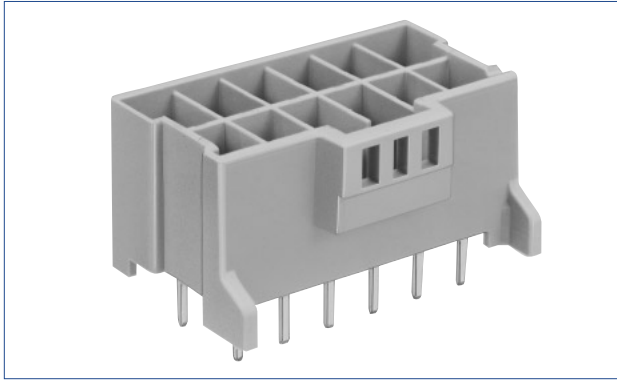


Part Number	CL No.	Number of contacts	A	B
DF7- 1RS/P-3.96	CL680-0136-0	1	—	—
DF7- 2RS/P-3.96	CL680-0027-4	2	10.00	3.96
DF7- 3RS/P-3.96	CL680-0028-7	3	13.96	7.92
DF7- 4RS/P-3.96	CL680-0029-0	4	17.92	11.88
DF7- 5RS/P-3.96	CL680-0030-9	5	21.88	15.84
DF7- 6RS/P-3.96	CL680-0031-1	6	25.84	19.80
DF7- 7RS/P-3.96	CL680-0032-4	7	29.80	23.76
DF7- 8RS/P-3.96	CL680-0033-7	8	33.76	27.72
DF7- 9RS/P-3.96	CL680-0034-0	9	37.72	31.68
DF7-10RS/P-3.96	CL680-0035-2	10	41.68	35.64

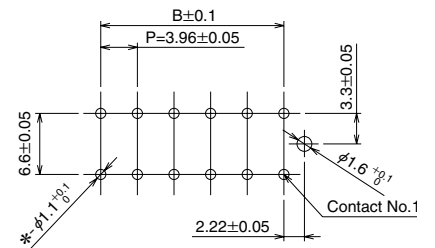
Note1: Bag packaging (100 pieces/bag). Order by number of bags.

Note2: Retainer is common to sockets, in-line plug.(Except low profile sockets)

Double-row Straight Header



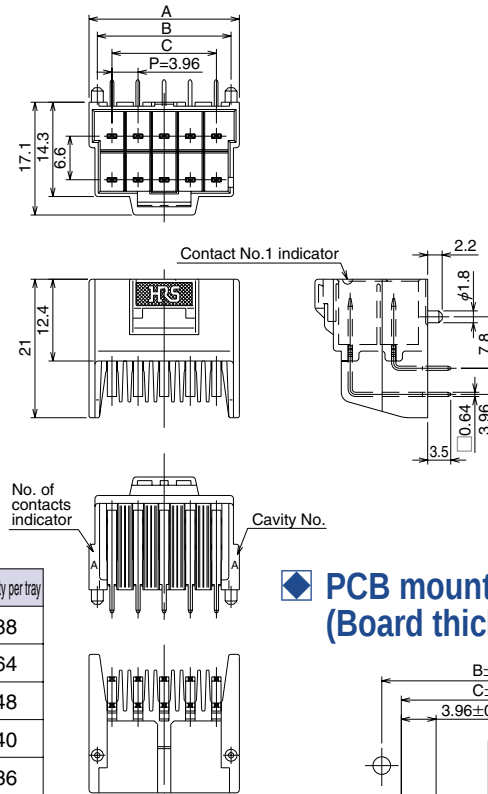
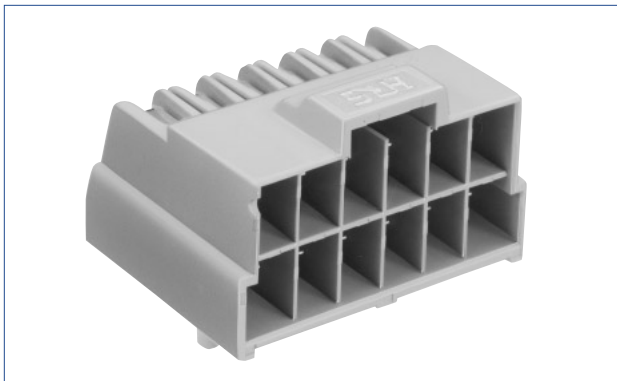
PCB mounting pattern (Board thickness: 1.6 ± 0.1)



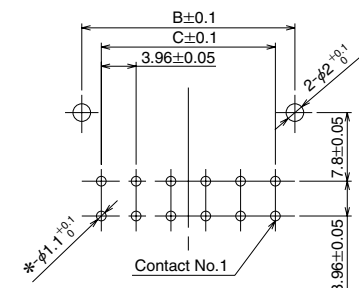
Part Number	CL No.	Number of contacts	A	B	Quantity per tray
DF7- 4DP-3.96DSA(24)	CL680-0145-0-24	4	10.40	3.96	132
DF7- 6DP-3.96DSA(24)	CL680-0146-3-24	6	14.36	7.92	96
DF7- 8DP-3.96DSA(24)	CL680-0147-6-24	8	18.32	11.88	72
DF7-10DP-3.96DSA(24)	CL680-0148-9-24	10	22.28	15.84	60
DF7-12DP-3.96DSA(24)	CL680-0149-1-24	12	26.24	19.80	54

Note: Tray packaging. Order by number of trays quantity.

Double-row Right angle Header



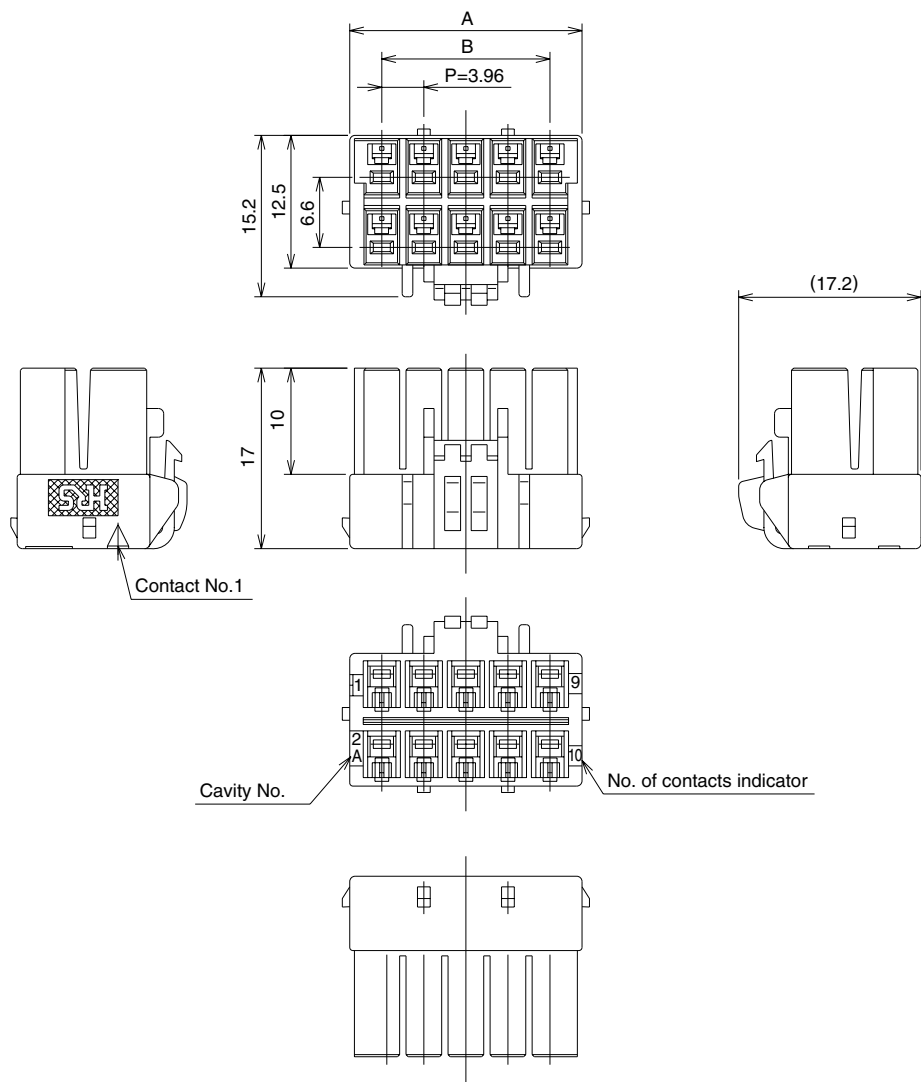
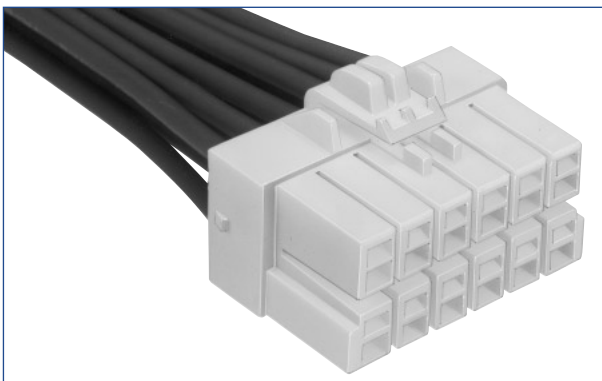
PCB mounting pattern (Board thickness: 1.6 ± 0.1)



Part Number	CL No.	Number of contacts	A	B	C	Quantity per tray
DF7- 4DP-3.96DS(24)	CL680-0150-0-24	4	10.40	8.40	3.96	88
DF7- 6DP-3.96DS(24)	CL680-0151-3-24	6	14.36	12.36	7.92	64
DF7- 8DP-3.96DS(24)	CL680-0152-6-24	8	18.32	16.32	11.88	48
DF7-10DP-3.96DS(24)	CL680-0153-9-24	10	22.28	20.28	15.84	40
DF7-12DP-3.96DS(24)	CL680-0154-1-24	12	26.24	24.24	19.80	36

Note: Tray packaging. Order by number of trays quantity.

■ Double-row Socket

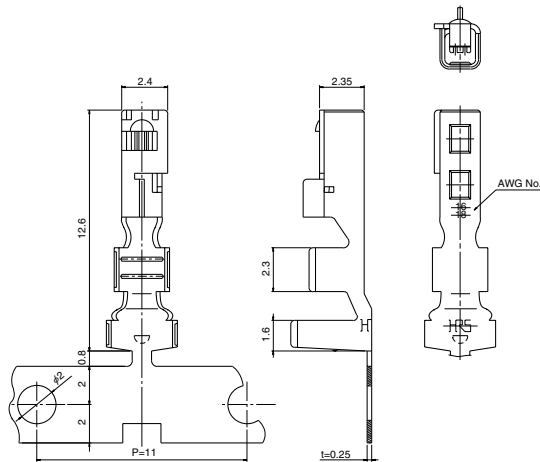


Part Number	CL No.	Number of contacts	A	B
DF7A-4DS-3.96C	CL680-0160-4	4	10.00	3.96
DF7A-6DS-3.96C	CL680-0161-7	6	13.96	7.92
DF7A-8DS-3.96C	CL680-0162-0	8	17.92	11.88
DF7A-10DS-3.96C	CL680-0163-2	10	21.88	15.84
DF7A-12DS-3.96C	CL680-0164-5	12	25.84	19.80

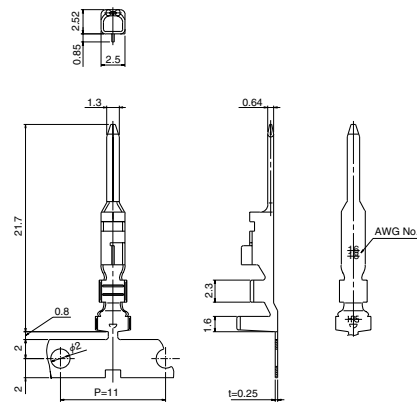
Note: Bag packaging (100 pieces/bag). Order by number of bags.

■ Crimp Contact

● Female Contact



● Male Contact



Part Number	CL No.	Packaging	Quantity	Finish
DF7-1618SCF	CL680-0001-0	Reel	3,000	Tin plating
DF7-1618SC	CL680-0002-3	Bag	100	
DF7-2022SCF	CL680-0003-6	Reel	3,000	
DF7-2022SC	CL680-0004-9	Bag	100	
DF7-2426SCF	CL680-0179-2	Reel	3,000	
DF7-2426SC	CL680-0180-1	Bag	100	
DF7-1618PCF	CL680-0005-1	Reel	3,000	
DF7-1618PC	CL680-0006-4	Bag	100	
DF7-2022PCF	CL680-0007-7	Reel	3,000	
DF7-2022PC	CL680-0008-0	Bag	100	
DF7-2426PCF	CL680-0181-4	Reel	3,000	
DF7-2426PC	CL680-0182-7	Bag	100	

● Applicable cable (Tin plated annealed copper wire)

Wire size(Stranded wire conductor)	UL style	Jacket diameter
AWG#16(26/0.254mm)	UL1007	2.1 to 2.5mm
AWG#18(34/0.18mm)		
AWG#20(21/0.18mm)		1.6 to 1.9mm
AWG#22(17/0.16mm)		
AWG#24(11/0.16mm)		1.3 to 1.45mm
AWG#26(7/0.16mm)		
AWG#16(26/0.254mm)	UL1015	2.9 to 3.2mm
AWG#18(34/0.18mm)		
AWG#20(21/0.18mm)		2.4 to 2.7mm
AWG#22(17/0.16mm)		

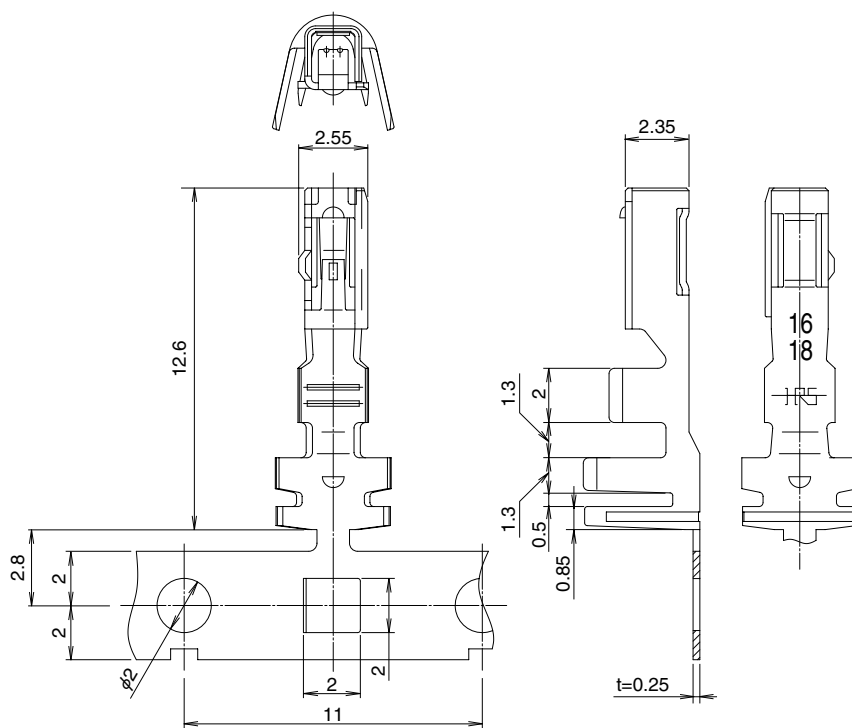
Note 1: When using other than the recommended wire, contact your nearest Hirose representative.

Note 2: Strip length: 3.0 to 3.8mm.

■ Tools

Type	Part Number	CL No.	Applicable Contacts
Automatic	Press unit	CM-105	CL901-0005-4
	Applicator	AP105-DF7-1618	CL901-4554-4
		AP105-DF7-2022	CL901-4553-1
		AP105-DF7-2426	CL901-4587-3
Manual	Crimp tools	HT104/DF7-1618	CL550-0268-0
		HT104/DF7-2022	CL550-0269-3
		HT104/DF7-2426	CL550-0293-8

■ Crimp Contact



Part Number	CL No.	Packaging	Quantity	Finish
DF7E-1618SCF	CL680-0204-8	Reel	3,000	Tin plating
DF7E-1618SC	CL680-0205-0	Bag	100	
DF7E-2022SCF	CL680-0206-3	Reel	3,000	
DF7E-2022SC	CL680-0207-6	Bag	100	

● Applicable cable (Tin plated annealed copper wire)

Wire size (Stranded wire conductor)	UL style	Jacket diameter
AWG#16 (26/0.254mm)	UL1007	2.1mm to 2.5mm
AWG#18 (34/0.18mm)		
AWG#20 (21/0.18mm)		1.6mm to 1.9mm
AWG#22 (17/0.16mm)		

Note1: When using other than the recommended wire, contact your nearest Hirose representative.

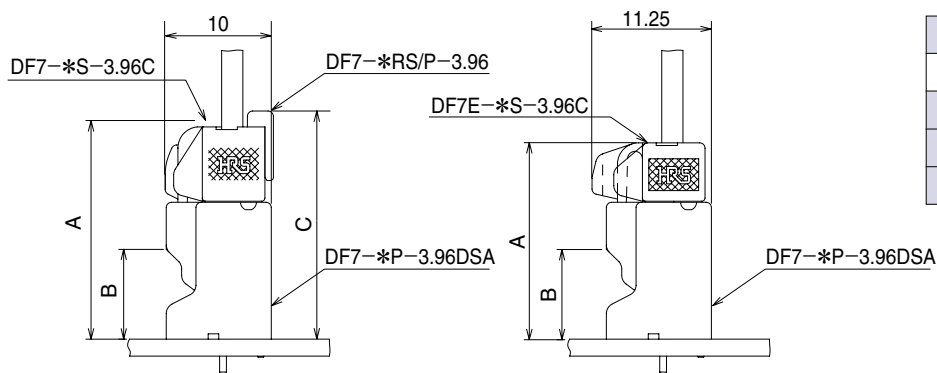
Note2: Strip length: 2.7 to 3.5mm.

■ Tools

Type	Part Number	CL No.	Applicable contacts
Automatic	Press unit	CM-105	CL901-0005-4
	Applicator	AP105-DF7E-1618	CL901-4598-0
		AP105-DF7E-2022	CL901-4599-2
Manual	Crimp tools	HT104/DF7E-1618	CL550-0291-2
		HT104/DF7E-2022	CL550-0292-5

◆ Mating Dimensions

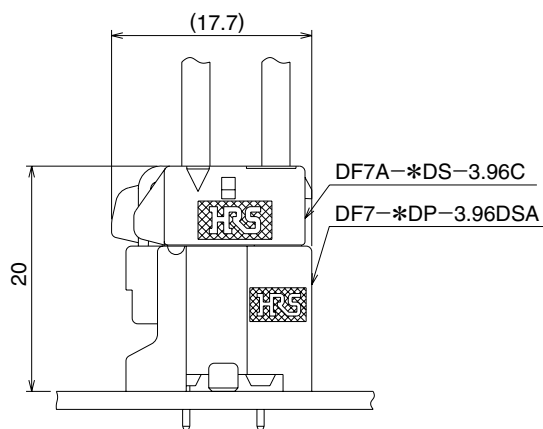
● Socket to Straight Header Connection



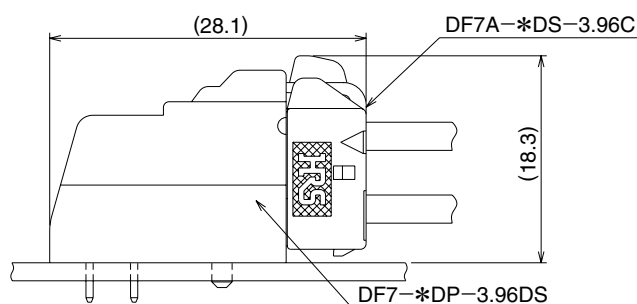
	DF7-*S-3.96C		DF7E-*S-3.96C
	1 pos.	2 to 12 pos.	2 to 12 pos.
A	18.5	20.0	18.5
B	9.0	8.5	9.0
C	20.3	21.5	—

Note: DF7-1P-3.96DSA can be mounted to boards which have eyelets attached.

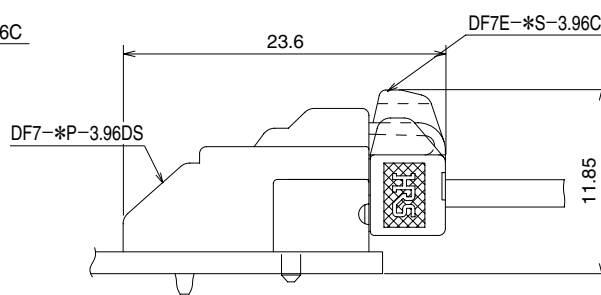
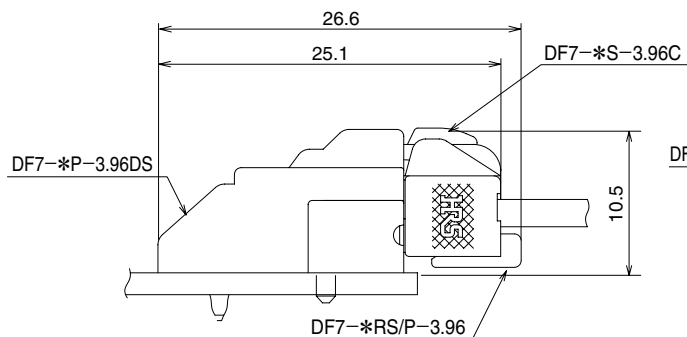
● Socket to Straight Header Connection (Double-row)



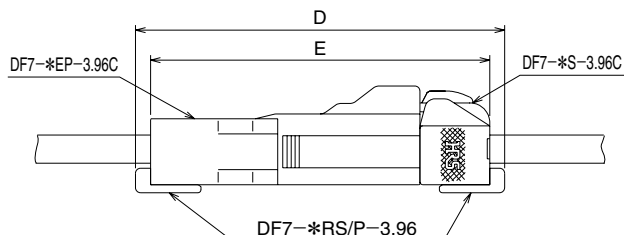
● Socket to Right angle Header Connection (Double-row)



● Socket to Right angle Header Connection

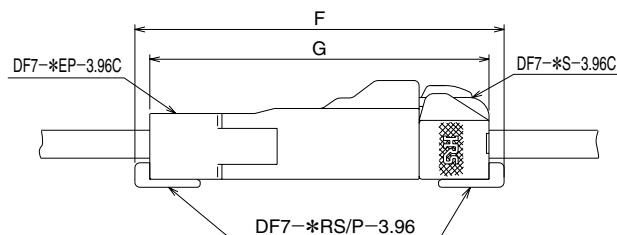


● Socket to In-line plug (Panel mount type) Connection



	1 pos.	2 to 10 pos.
D	35.1	37.0
E	32.1	34.0

● Socket to In-line plug Connection



	1 pos.	2 to 10 pos.
F	35.1	37.0
G	32.1	34.0

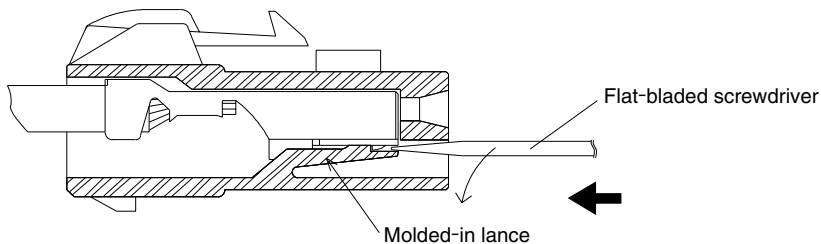
◆ Contact Extraction Procedure

■ Contact extraction tool: Flat-bladed screwdriver, 1.4 mm blade width

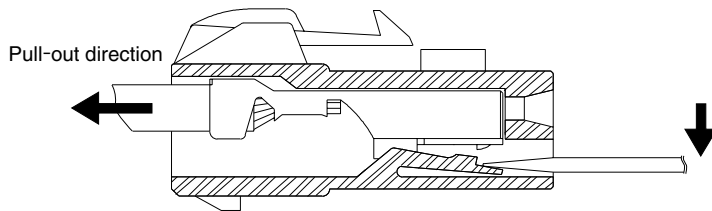
■ Use with crimp Contacts: DF7-1618SC(F), DF7-2022SC(F),
DF7-1618PC(F), DF7-2022PC(F)

■ Work Method

Housing Cross-Section



1. Refer to the drawing No. 1. Insert correct size screwdriver in the insulator against the molded-in lance. Deflect the lance as shown.



2. Assure that the lance is deflected to release the contact and pull-out wire with the terminated contact.

◆ General Use Precautions

- Make sure that the lock is fully depressed before un-mating the connectors.
- Use correct size of the wires. Do NOT forcefully twist or deform wires, as this may affect the crimped contact connection.
- When the potting process is to be performed, please take into consideration the surface tension of the resin when filling.



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