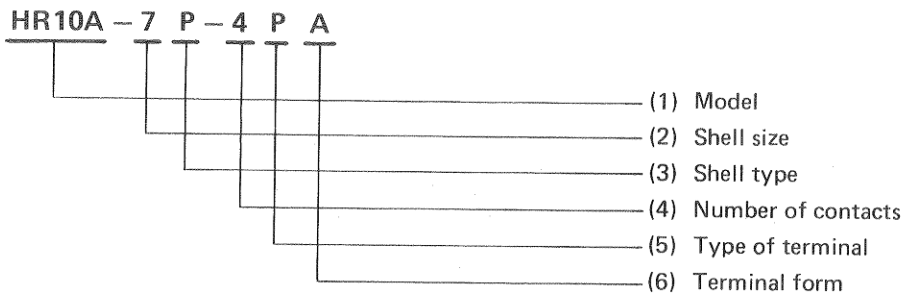


Main materials

Part	Material	Finish
Shell	Zinc-alloy and brass	Satin-finished nickel plate
Insulation	Polyamide resin or PBT resin	(Blue or black)
Male terminal	Brass or bronze	Silver- or gold-plated
Female terminal	Beryllium or phosphor bronze	Silver- or gold-plated

Ordering Information

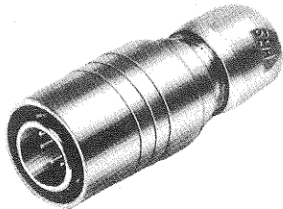


- (1) Model: Denotes HR10 series as follows:
 HR10A: Low-cost model
 HR10G: Shielded
 HR10E: Built-in capacitor
 HR10B: Coaxial terminal
 HR10D: Connector sleeve rotation inhibited
- (2) Shell size: Plug mating part outside diameter in mm.
- (3) Shell type: Indicates the type of shell as follows:
 P: Plug R: Receptacle J: Jack
- (4) Number of contacts: Indicates the number of contacts.
- (5) Type of terminal: Indicates the type of terminal as follows:
 P: Male terminal S: Female terminal
- (6) Terminal form: Indicates terminal connection system in terminal form in alphabetic characters.
 C: Crimp connection system

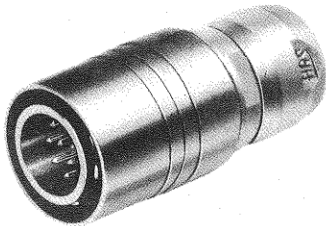
HR10 type

Gold plating is the standard for the HR10 connector terminals and silver plating is used for the terminals of other types of connectors. When using HR10 connectors combination with other types of connectors, be sure to check the plating specification.

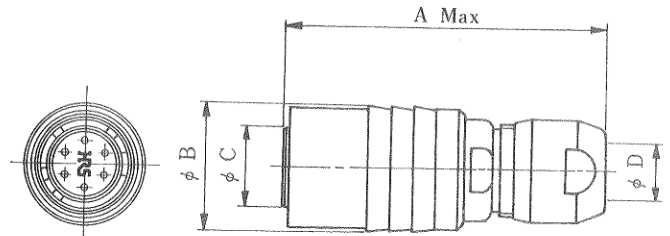
Plug



HR10-7P-6P



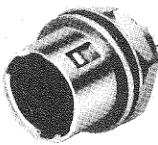
HR10-10P-12P



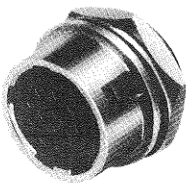
(An example in shape)

HRS No.	Part No.	No. of pins	A	φB	φC	φD	Weight
110-0021-6	HR10-7P-4P	4	28.5	11	7	5.2	8g
110-0022-9	HR10-7P-4S	4	28.5	11	7	5.2	8g
110-0023-1	HR10-7P-6P	6	28.5	11	7	5.2	8g
110-0024-4	HR10-7P-6S	6	28.5	11	7	5.2	8g
110-0025-7	HR10-10P-12P	12	32.5	14	9.5	7.2	15g
110-0026-0	HR10-10P-12S	12	32.5	14	9.5	7.2	15g

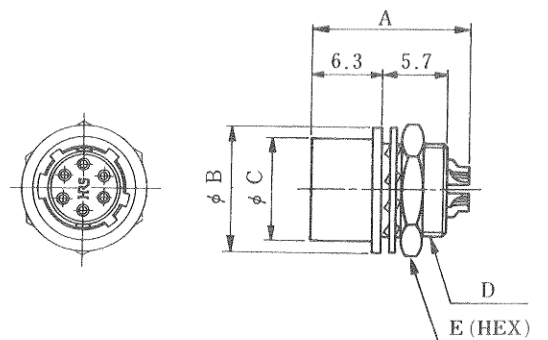
Receptacle



HR10-7R-6S



HR10-10R-12S

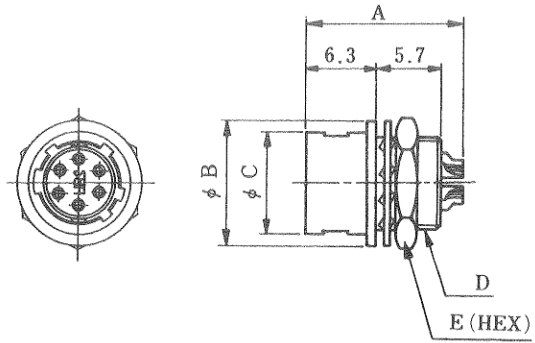
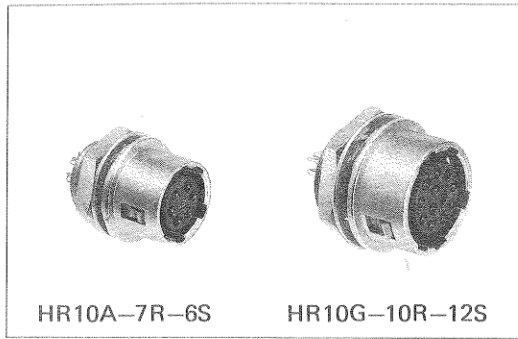


(An example in shape)

HRS No.	Part No.	No. of pins	A	φB	φC	D	E	Weight
110-0031-0	HR10-7R-4S	4	14	11	8.85	M8x0.5	10	3.5g
110-0032-2	HR10-7R-4P	4	14	11	8.85	M8x0.5	10	3.5g
110-0033-5	HR10-7R-6S	6	14	11	8.85	M8x0.5	10	3.5g
110-0034-8	HR10-7R-6P	6	14	11	8.85	M8x0.5	10	3.5g
110-0035-0	HR10-10R-12S	12	16	14	11.9	M11x0.75	13	6g
110-0036-3	HR10-10R-12P	12	16	14	11.9	M11x0.75	13	6g

Remark: For mounting holes, see page 85.

Receptacle (Solder Type)



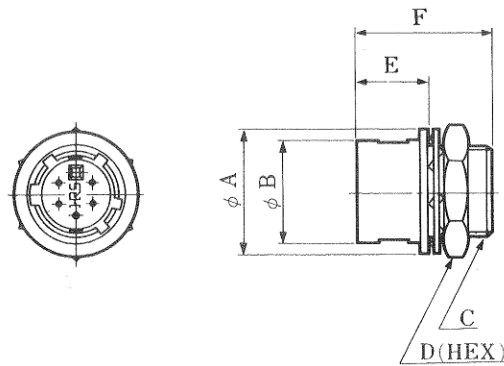
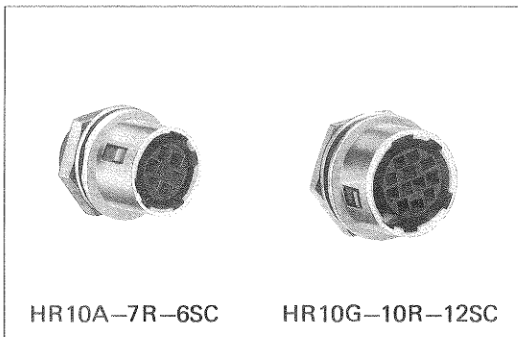
(An example in shape)

HRS No.	Part No.	No. of pins	A	φB	φC	D	E	Weight
110-0305-3	HR10A-7R-4S	4	14	11	8.85	M8x0.5	10	3g
110-0306-6	HR10A-7R-4P	4	14	11	8.85	M8x0.5	10	3g
110-0320-7	HR10A-7R-5S	5	14	11	8.85	M8x0.5	10	3g
110-0321-0	HR10A-7R-5P	5	14	11	8.85	M8x0.5	10	3g
110-0307-9	HR10A-7R-6S	6	14	11	8.85	M8x0.5	10	3g
110-0308-1	HR10A-7R-6P	6	14	11	8.85	M8x0.5	10	3g
110-0409-9	HR10A-10R-10S	10	16	14	11.9	M11x0.75	13	5g
110-0410-8	HR10A-10R-10P	10	16	14	11.9	M11x0.75	13	5g
110-0403-2	HR10A-10R-12S	12	16	14	11.9	M11x0.75	13	5g
110-0404-5	HR10A-10R-12P	12	16	14	11.9	M11x0.75	13	5g
110-0714-2	HR10A-13R-20S	20	19.2	18	15.4	M14x0.75	17	8g
110-0715-5	HR10A-13R-20P	20	20.2	18	15.4	M14x0.75	17	8g

HRS No.	Part No.	No. of pins	A	φB	φC	D	E	Weight	Remarks
110-1601-1	HR10G-7R-4S	4	14	11	8.85	M8x0.5	10	3g	Shield type
110-1602-4	HR10G-7R-4P	4	14	11	8.85	M8x0.5	10	3g	
110-1605-2	HR10G-7R-6S	6	14	11	8.85	M8x0.5	10	3g	
110-1606-5	HR10G-7R-6P	6	14	11	8.85	M8x0.5	10	3g	
110-1607-8	HR10G-10R-10S	10	16	14	11.9	M11x0.75	13	5g	
110-1608-0	HR10G-10R-10P	10	16	14	11.9	M11x0.75	13	5g	
110-1609-3	HR10G-10R-12S	12	16	14	11.9	M11x0.75	13	5g	
110-1610-2	HR10G-10R-12P	12	16	14	11.9	M11x0.75	13	5g	

Remark: For mounting holes, see page 85.

Receptacle (Crimp Type)



(An example in shape)

HRS No.	Part No.	No. of pins	φA	φB	C	D	E	F	Weight
110-0506-5	HR10A-7R-4SC	4	11	8.85	M8x0.5	10	6.3	12	3g
110-0505-2	HR10A-7R-4PC	4	11	8.85	M8x0.5	10	6.3	12.2	3g
110-0508-0	HR10A-7R-6SC	6	11	8.85	M8x0.5	10	6.3	12	3g
110-0507-8	HR10A-7R-6PC	6	11	8.85	M8x0.5	10	6.3	12.2	3g
110-0606-0	HR10A-10R-10SC	10	14	11.9	M11x0.75	13	6.3	12	5g
110-0605-7	HR10A-10R-10PC	10	14	11.9	M11x0.75	13	6.3	12.2	5g
110-0608-5	HR10A-10R-12SC	12	14	11.9	M11x0.75	13	6.3	12	5g
110-0607-2	HR10A-10R-12PC	12	14	11.9	M11x0.75	13	6.3	12.2	5g
110-0703-6	HR10A-10R-20SC	20	18	15.4	M14x0.75	17	9.3	15	8g
110-0704-9	HR10A-10R-20PC	20	18	15.4	M14x0.75	17	9.3	15	8g

HRS No.	Part No.	No. of pins	φA	φB	C	D	E	F	Weight	Remarks
110-1701-6	HR10G-7R-4SC	4	11	8.85	M8x0.5	10	6.3	12	3g	Shield type
110-1702-9	HR10G-7R-4PC	4	11	8.85	M8x0.5	10	6.3	12.2	3g	
110-1705-7	HR10G-7R-6SC	6	11	8.85	M8x0.5	10	6.3	12	3g	
110-1706-0	HR10G-7R-6PC	6	11	8.85	M8x0.5	10	6.3	12.2	3g	
110-1707-2	HR10G-10R-10SC	10	14	11.9	M11x0.75	13	6.3	12	5g	
110-1708-5	HR10G-10R-10PC	10	14	11.9	M11x0.75	13	6.3	12.2	5g	
110-1709-8	HR10G-10R-12SC	12	14	11.9	M11x0.75	13	6.3	12	5g	
110-1710-7	HR10G-10R-12PC	12	14	11.9	M11x0.75	13	6.3	12.2	5g	
110-1711-0	HR10G-13R-20SC	20	18	15.4	M14x0.75	17	9.3	15	8g	
110-1712-2	HR10G-13R-20PC	20	18	15.4	M14x0.75	17	9.3	15	8g	

Remark: For mounting holes, see page 85.