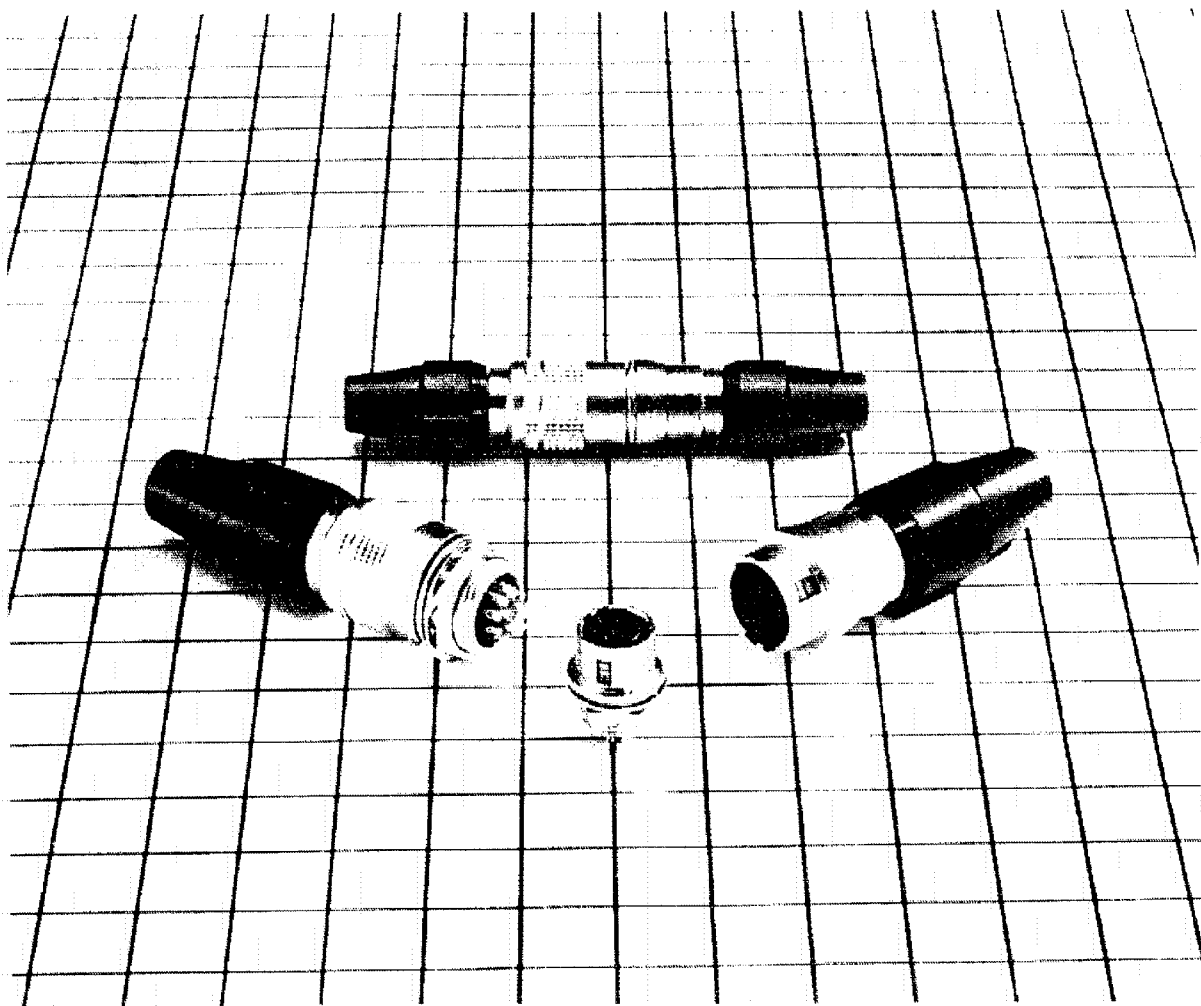


HR10A SERIES "SNAP-IN" CONNECTORS

Introduction

To meet the need for low cost, compact multipole connectors, HIROSE engineers, through an extensive Value Analyzation process, have developed the new HR10A series.

HR10A series are compatible with current HR10 series. Crimping type and P.C. Mounting type are newly added to this series.



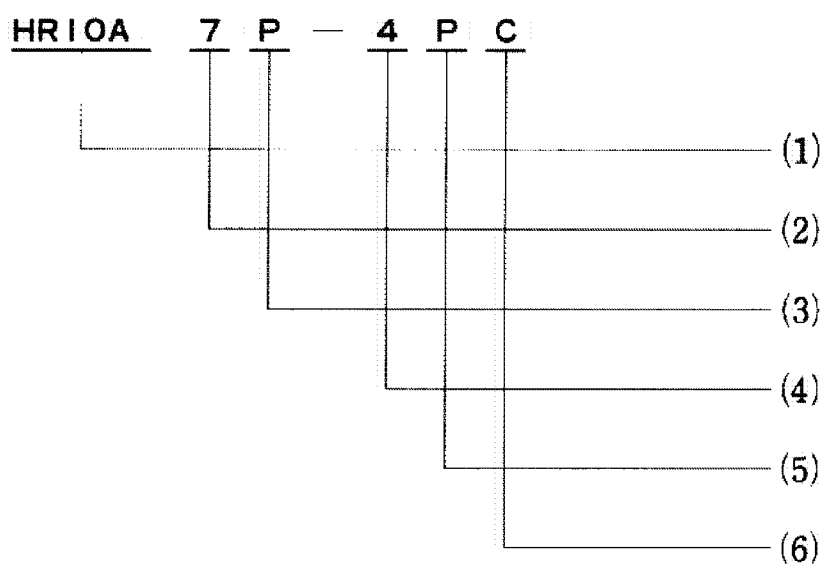
Features

- (1) This Low-Cost Value Analysed version is compatible with current HR10 series.
- (2) Cable crimping tool maintains consistent cable clamp force.
- (3) To prevent from slipping, HR10A connectors have a knurled surface for gripping.
- (4) Simple and slim design.
- (5) Crimping type and P.C. Mounting type are available.
- (6) 4, 5, 6, 10, 12, and 20 pin are available.

Material and Finish

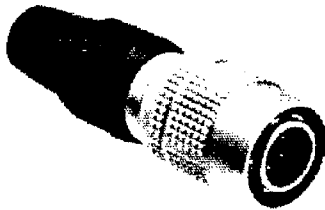
Shell	: Zinc alloy and brass + nickel plating matte finish
Insulator	: Glass-reinforced 66 nylon, black colour
Male Pin	: Brass + Silver plating
Female Pin	: Phosphor bronze + Silver plating

Ordering Information

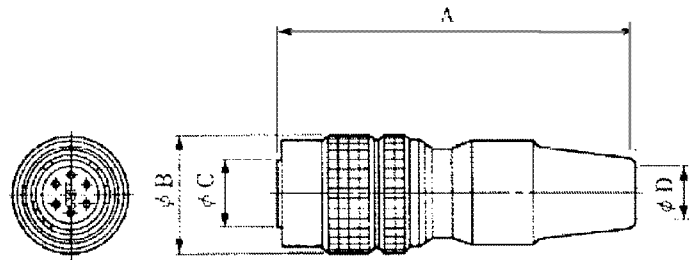


- (1) Series No.: HR10A series
- (2) Shell size: 7, 10, 13
- (3) Shell type: P: Plug R: Receptacle J: Jack
- (4) No. of contact: 4, 6, 10, 12 and 20 pin are available
- (5) Contact type: P: Male S: Female
- (6) The method of connection of terminals or the terminal configuration is identified by an alphabetic letter.

(Soldering Type)
Plug



HR10A-7P-6P

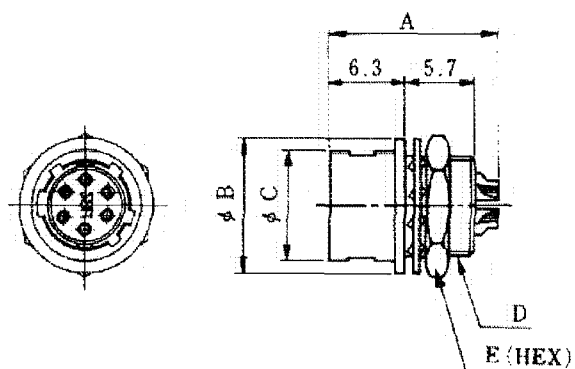


HR10A-10P-12P

No. of pin	Part No.	A	B	C	C	Weight
4	HR10A-7P-4P	35	11.5	7	5	9gr
4	HR10A-7P-4S	35	11.5	7	5	9gr
5	HR10A-7P-5P	35	11.5	7	5	9gr
5	HR10A-7P-5S	35	11.5	7	5	9gr
6	HR10A-7P-6P	35	11.5	7	5	9gr
6	HR10A-7P-6S	35	11.5	7	5	9gr
10	HR10A-10P-10P	43	14.7	9.5	7	16gr
10	HR10A-10P-10S	43	14.7	9.5	7	16gr
12	HR10A-10P-12P	43	14.7	9.5	7	16gr
12	HR10A-10P-12S	43	14.7	9.5	7	16gr



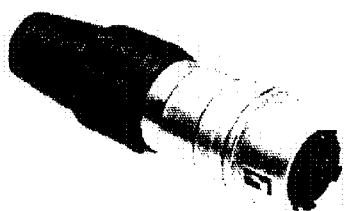
HR10A-7R-6S



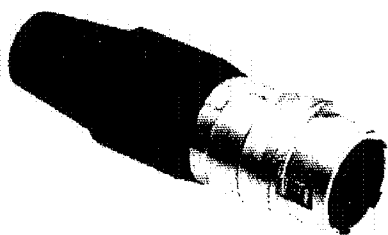
HR10A-10R-12S

No of Pin	Part No.	A	B	C	D	E	Weight
4	HR10A-7R-4S	14	11	8.9	M8x0.5	10	3gr
4	HR10A-7R-4P	14	11	8.9	M8x0.5	10	3gr
5	HR10A-7R-5S	14	11	8.9	M8x0.5	10	3gr
5	HR10A-7R-5P	14	11	8.9	M8x0.5	10	3gr
6	HR10A-7R-6S	14	11	8.9	M8x0.5	10	3gr
6	HR10A-7R-6P	14	11	8.9	M8x0.5	10	3gr
10	HR10A-10R-10S	16	14	11.9	M11x0.75	13	5gr
10	HR10A-10R-10P	16	14	11.9	M11x0.75	13	5gr
12	HR10A-10R-12S	16	14	11.9	M11x0.75	13	5gr
12	HR10A-10R-12P	16	14	11.9	M11x0.75	13	5gr

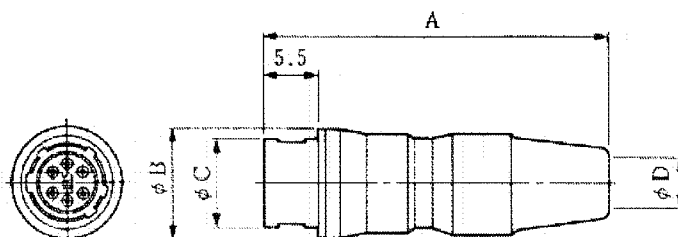
Jack



HR10A-7J-6S



HR10A-10J-12S

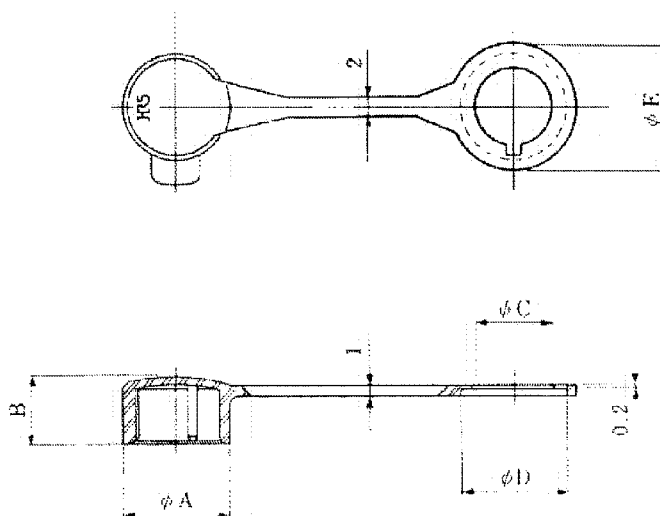


No. of pin	Part No.	A	B	C	D
4	HR10A-7J-4S	35	11	8.9	5
4	HR10A-7J-4P	35	11	8.9	5
6	HR10A-7J-6S	35	11	8.9	5
6	HR10A-7J-6P	35	11	8.9	5
10	HR10A-10J-10S	43	14	11.9	7
10	HR10A-10J-10P	43	14	11.9	7
12	HR10A-10J-12S	43	14	11.9	7
12	HR10A-10J-12P	43	14	11.9	7

Dust Cap

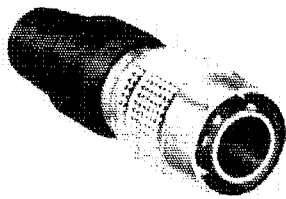


HR10-7R-C

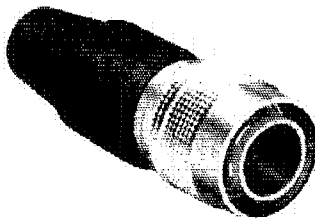


HRS No.	Part No.	ϕA	B	ϕC	ϕD	E
110-0058-6	HR10-7R-C	11	7	8	11.2	13
110-0052-0	HR10-10R-C	14	8.5	10.8	14	15
110-0452-8	HR10A-13R-C	17.5	11.5	14	18.1	19

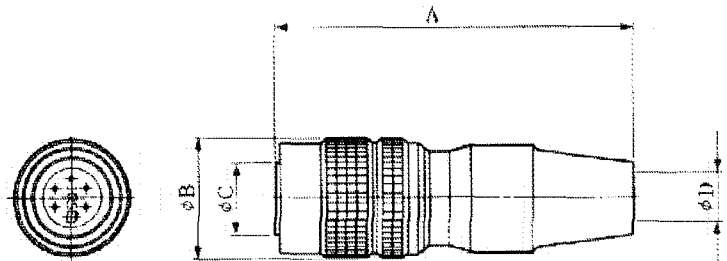
Plug (Crimp Type)



HR10A-7P-6PC

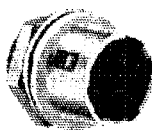


HR10A-10P-12PC



No. of pin	Part No.	A	B	C	D	Neight
4	HR10A - 7P- 4PC	35	11.5	7	5	9gr
4	HR10A - 7P- 4SC	35	11.5	7	5	9gr
6	HR10A - 7P- 6PC	35	11.5	7	5	9gr
6	HR10A - 7P- 6SC	35	11.5	7	5	9gr
10	HR10A-10P-10PC	43	14.7	9.5	7	16gr
10	HR10A-10P-10SC	43	14.7	9.5	7	16gr
12	HR10A-10P-12PC	43	14.7	9.5	7	16gr
12	HR10A-10P-12SC	43	14.7	9.5	7	16gr
20	HR10A-13P-20PC	58.8	19	13	7	37gr
20	HR10A-13P-20SC	58.8	19	13	7	37gr

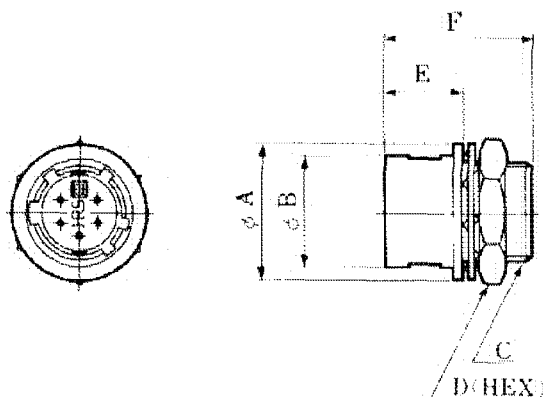
Receptacle (Crimp Type)



HR10A-7R-6SC

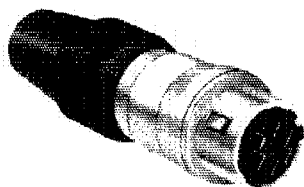


HR10A-10R-12SC

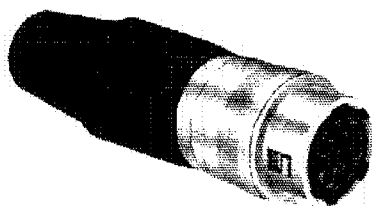


No. of pin	Part No.	A	B	C	D	E	F	Weight
4	HR10A-7R-4PC	11	8.9	M8x0.5	10	6.3	12.2	3gr
4	HR10A-7R-4SC	11	8.9	M8x0.5	10	6.3	12	3gr
6	HR10A-7R-6PC	11	8.9	M8x0.5	10	6.3	12.2	3gr
6	HR10A-7R-6SC	11	8.9	M8x0.5	10	6.3	12	3gr
10	HR10A-10R-10PC	14	11.9	M11x0.75	13	6.3	12.2	5gr
10	HR10A-10R-10SC	14	11.9	M11x0.75	13	6.3	12	5gr
12	HR10A-10R-12PC	14	11.9	M11x0.75	13	6.3	12.2	5gr
12	HR10A-10R-12SC	14	11.9	M11x0.75	13	6.3	12	5gr
20	HR10A-13R-20SC	18	15.4	M14x0.75	17	9.3	15	8gr
20	HR10A-13R-20PC	18	15.4	M14x0.75	17	9.3	15	8gr

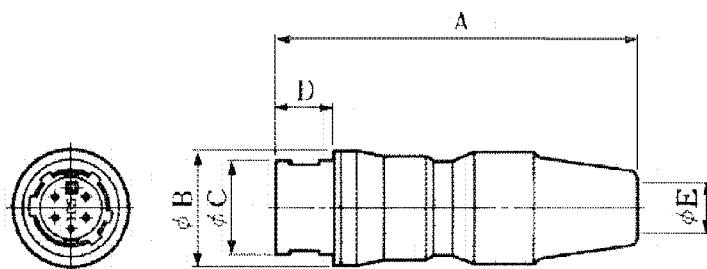
Jack (Crimp Type)



HR10A-7J-6SC



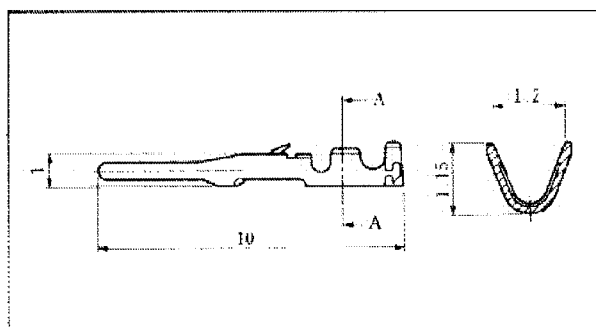
HR10A-10J-12SC



No. of pin	Part No.	A	B	C	D	E
4	HR10A-7J-4PC	35	11	8.9	5.5	5
4	HR10A-7J-4SC	35	11	8.9	5.5	5
6	HR10A-7J-6PC	35	11	8.9	5.5	5
6	HR10A-7J-6SC	35	11	8.9	5.5	5
10	HR10A-10J-10PC	43	14	11.9	5.5	7
10	HR10A-10J-10SC	43	14	11.9	5.5	7
12	HR10A-10J-12PC	43	14	11.9	5.5	7
12	HR10A-10J-12SC	43	14	11.9	5.5	7
20	HR10A-13J-20SC	58.5	18	15.4	8.5	7
20	HR10A-13J-20PC	58.5	18	15.4	8.5	7

Contact

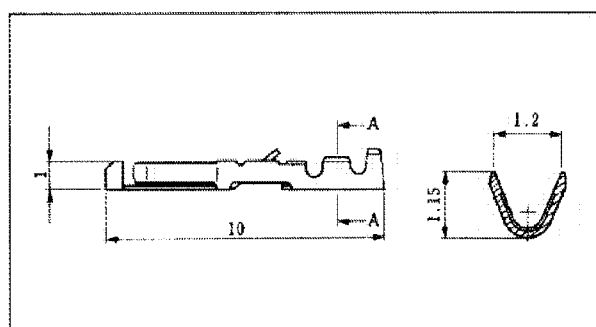
Male pin



Type	HRS No.	Part No.	Plating	Applicable wire
Bulk contact	110-0515-6	HR10-PC-111	Partial gold plating	AWG #26 ~ #30
	110-0513-0	HR10-PC-112	Silver plating	AWG #26 ~ #30
Chain contact	110-0516-9	HR10-PC-211	Partial gold plating	AWG #26 ~ #30
	110-0514-3	HR10-PC-212	Silver plating	AWG #26 ~ #30

(Note) 1. Use cables with cable coating outer dia. $\phi 1$ and under.
2. Loose piece terminal is offered in a package containing 100 pieces. Strip terminal is offered by reel containing 10,000 pieces.

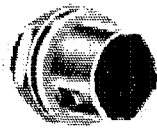
Female pin



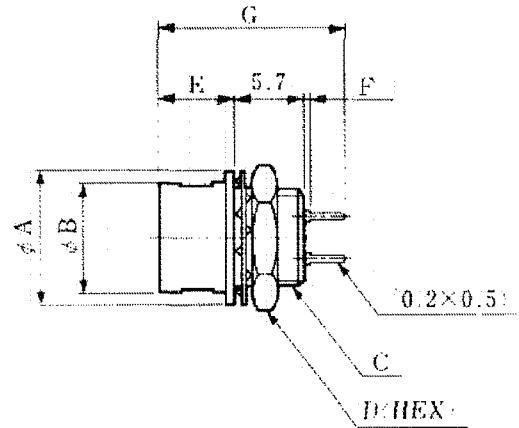
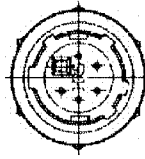
Type	HRS No.	Part No.	Plating	Applicable wire
Bulk contact	112-0410-0	HR12-SC-111	Partial gold plating	AWG #26 ~ #30
	112-0411-3	HR12-SC-112	Silver plating	AWG #26 ~ #30
Chain contact	112-0407-6	HR12-SC-211	Partial gold plating	AWG #26 ~ #30
	112-0408-9	HR12-SC-212	Silver plating	AWG #26 ~ #30

(Note) 1. Use cables with cable coating outer dia. $\phi 1$ and under.
2. Loose piece terminal is offered in a package containing 100 pieces. Strip terminal is offered by reel containing 10,000 pieces.

P. C. Mount Receptacle



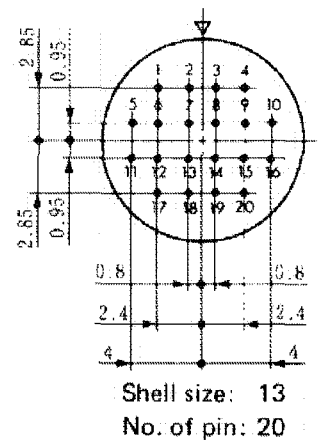
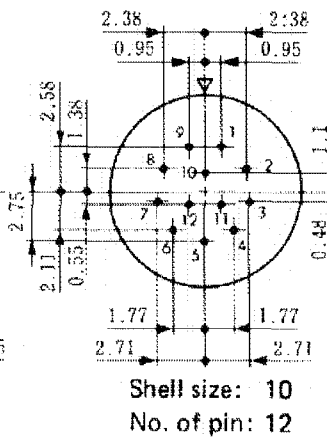
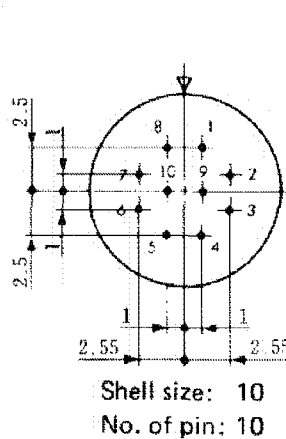
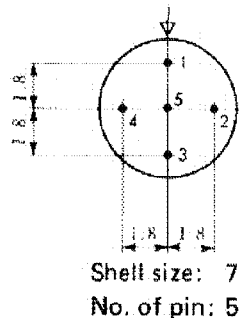
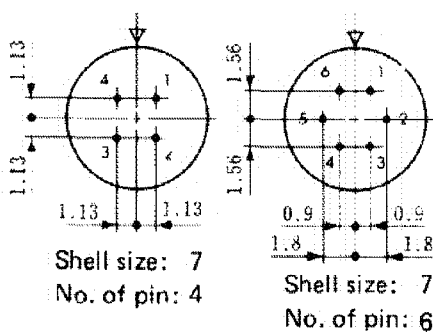
HR10A-7R-6SB



HR10A-10R-12SB

No. of Pin	Part No.	A	B	C	D	E	F	G	Weight
4	HR10A-7R-4SB	11	8.9	M8x0.5	10	6.3	0.5	15.6	3gr
4	HR10A-7R-4PB	11	8.9	M8x0.5	10	6.3	0.5	15.6	3gr
5	HR10A-7R-5SB	11	8.9	M8x0.8	10	6.3	0.5	15.6	3gr
6	HR10A-7R-6SB	11	8.9	M8x0.5	10	6.3	0.5	15.6	3gr
6	HR10A-7R-6PB	11	8.9	M8x0.8	10	6.3	0.5	15.6	3gr
10	HR10A-10R-10SB	14	11.9	M11x0.75	13	6.3	0.5	15.6	5gr
10	HR10A-10R-10PB	14	11.9	M11x0.75	13	6.3	0.5	15.6	5gr
12	HR10A-10R-12SB	14	11.9	M11x0.75	13	6.3	0.5	15.6	5gr
12	HR10A-10R-12PB	14	11.9	M11x0.75	13	6.3	0.5	15.6	5gr
20	HR10A-13R-20SB	18	15.4	M14x0.75	17	9.3	0	17.8	5gr
20	HR10A-13R-20PB	18	15.4	M14x0.75	17	9.3	0	17.8	5gr

Panel Cutout



Note: The Contact Arrangement shown here is the mating surface of socket insert assembled in a receptacle.