

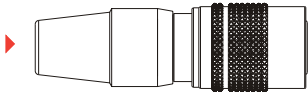
HR-10 series

HR-10 series Miniature push-pull self-locking circular electronic connectors are widely used in electronics, instrumentation, video processing, medical equipment, etc.

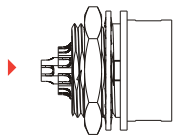


Metal housing models (page 115)

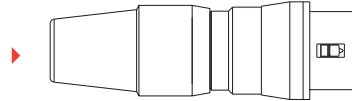
plug



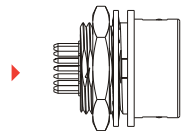
solder sockets



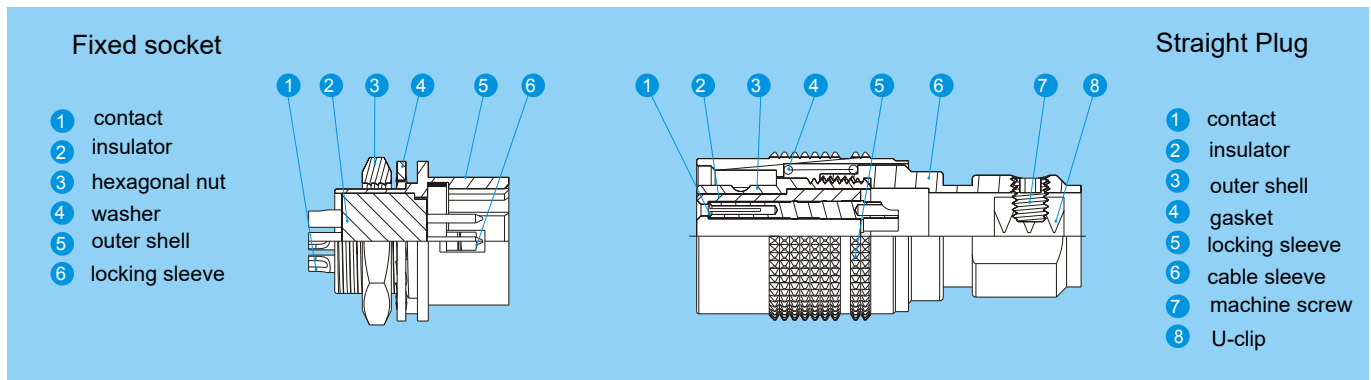
Free plug



print sockets



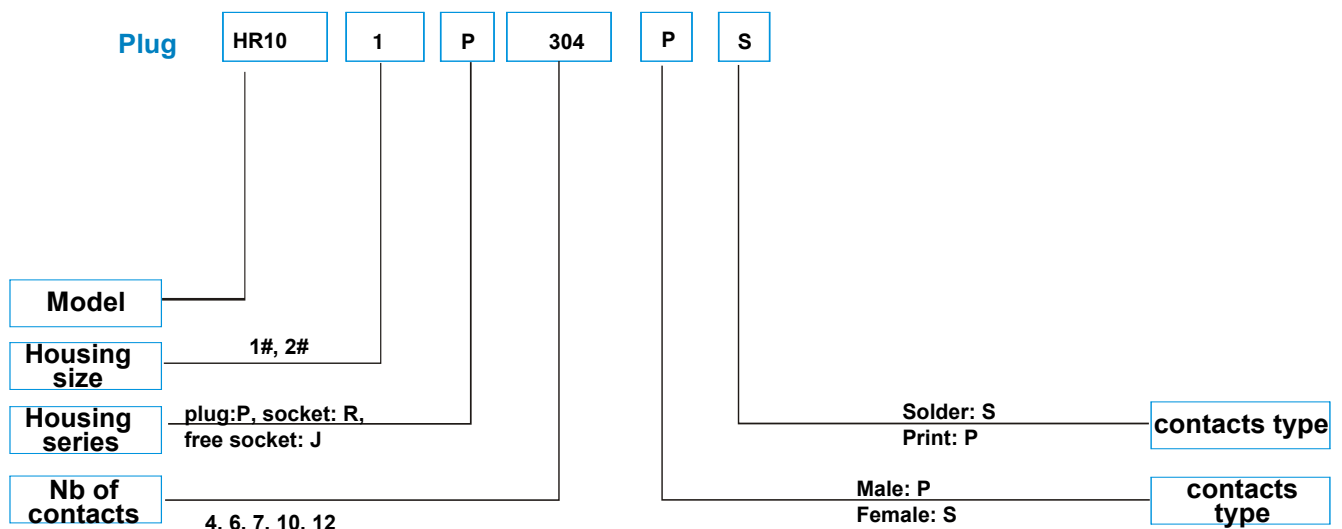
Part Section Showing Internal Components



HR10 Series Connectors Provide The Following Main Features:

- Push-pull self-locking connection, connection separation is simple and quick (the shell surface is non-slip design, the sound is self-locking)
- Compact self-locking device ensures a firm and reliable connection
- Adopt a reasonable five-key design with complete anti-blind insertion function
- Miniaturized and compact structure design (effectively saves equipment space and realizes micro-mini design of equipment)
- Contact type: solder type, plated PCB type

HR10 Series Part Numbering System

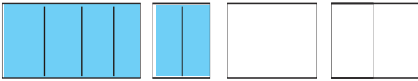


Part Number Example

HR10-1P-4PS = HR10 Series, 1# shell plug, 4 male solder contacts.

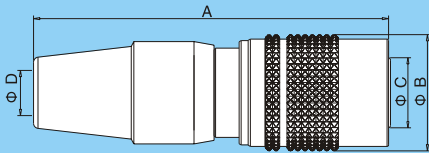
HR10-1R-4PS = HR10 Series, 1# shell fixed socket, 4 male solder contacts.

HR10-1J-4SS = HR10 Series, 1# shell free socket, 4 female solder contacts.



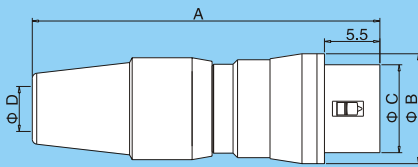
Metal Housing Models

HR10 series plug



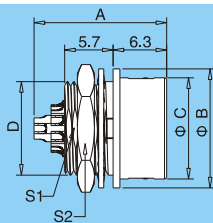
Housing	A	B	C	D
1#	35	11	8.8	6
2#	43	14	10.9	8

HR10 series free socket



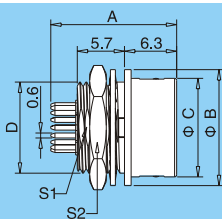
Housing	A	B	C	D
1#	35	11.5	7.5	6
2#	43	14.5	9.5	8

HR10 series solder socket

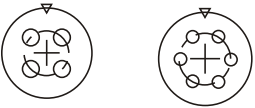
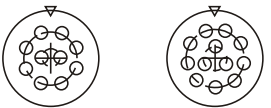


Housing	A	B	C	D	S1	S2
1#	14	11	8.8	M8*0.5	7.2	10
2#	15.6	14	10.9	M11*0.75	10	13

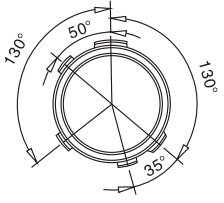
HR10 series print socket

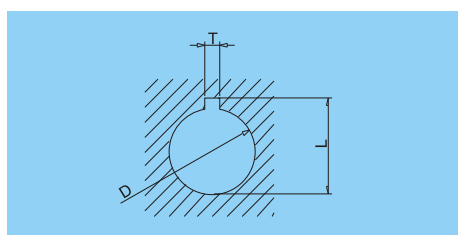


Housing	A	B	C	D	S1	S2
1#	15.5	11	8.85	M8*0.5	7.2	10
2#	15.5	14	11.9	M11*0.75	10	13

No.			Insert configuration	
			1# Housing	2# Housing
				
1	Contact ø	mm	0.5	
2	Resistance	mΩ	10	
3	Rated voltage	KV/DC	0.3	
	Rated voltage	KV/AC	0.2	
4	Test voltage	KV/DC	0.9	
	Test voltage	KV/AC	0.5	
5	Rated current	A	2	
6	Temperature range	°C	-500°C~125°C	
7	Endurance	cycles	1000	

>>> Alignment Key

Front view of a plug	
Contact type in plug	male/female
Contact type in socket	male/female
Nb of contacts	4、6、7、10、12

>>> Panel cut-outs


shell	D	T	L	B
1	8.0	1.6	9.0	7.3
2	11.1	2.5	11.5	11.3

>>> PCB drilling pattern
