

HR10 series micro-circular automation connector

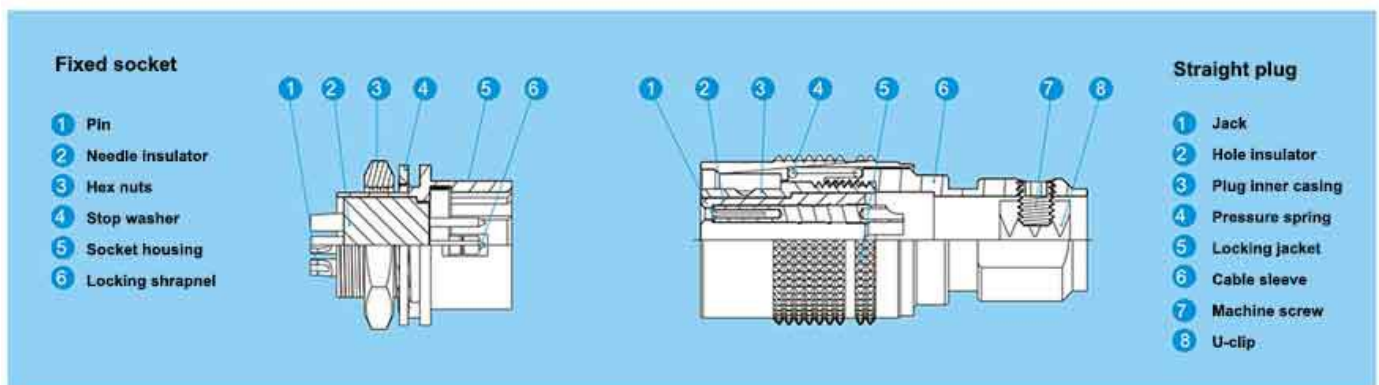
Brief introduction

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

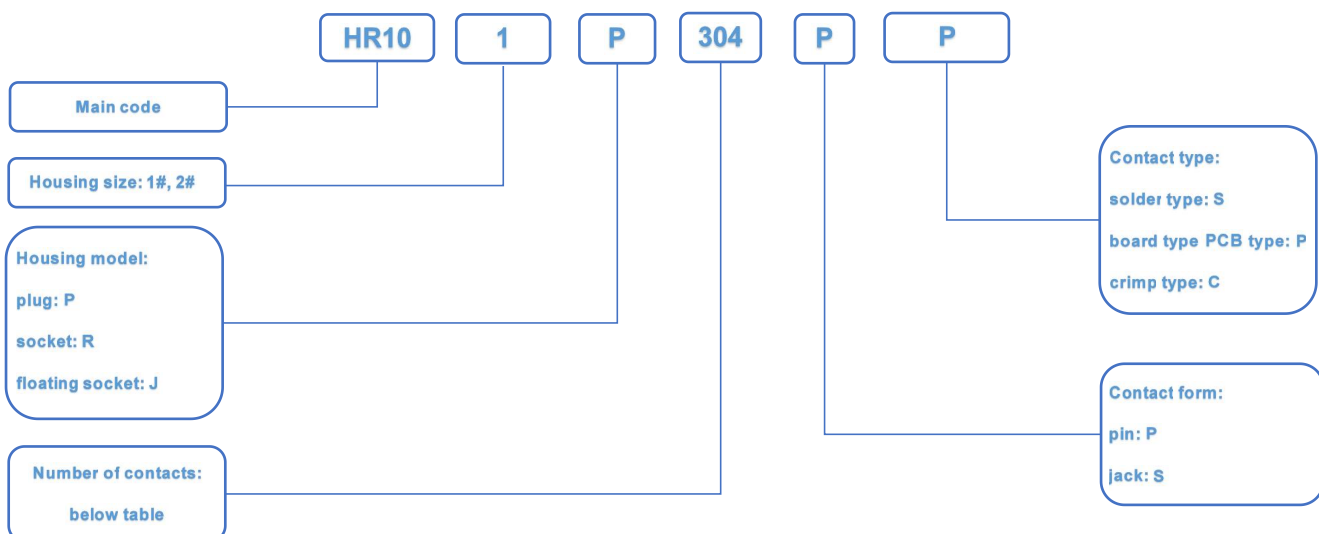
Main features:

- 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: welded type, plated PCB type, crimp type

Product profile:



F series product numbering rules:



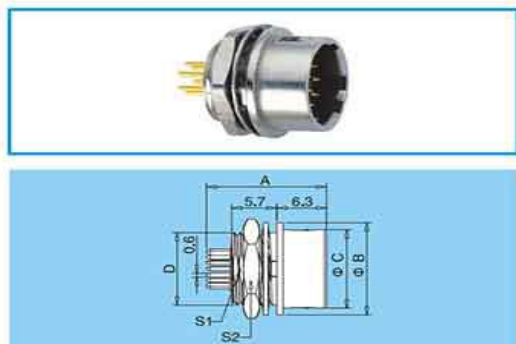
HR10 Series welding socket



HR10 series welding socket

Shell number	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

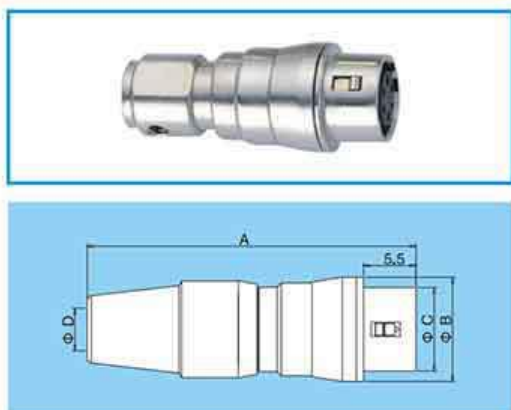
HR10 Series board socket



HR10 series board socket

Shell number	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

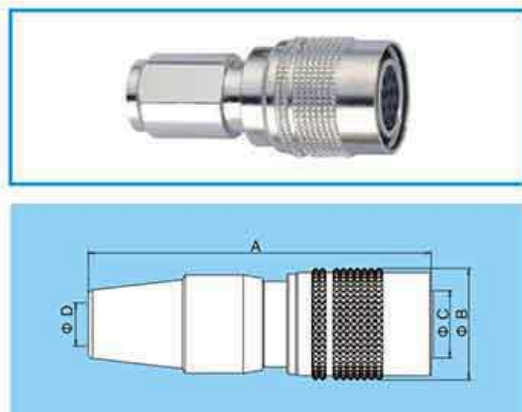
HR10 Series floating plug



HR 10 series floating plug

shell number	A	B	C	D
1#	35	11.5	75	6
2#	43	14.5	9.5	8

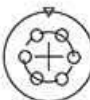
HR10 Series plug



HR 10 series plug

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

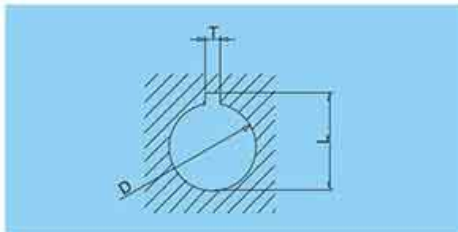
Technical Parameters:

Serial number	Performance	Insulator hole arrangement	
		1# case	1# case
			
1	Contact body diameter mm	0.5	
2	Contact resistance mΩ	10	
3	Operating Voltage KV/DC	0.3	
	Operating Voltage KV/AC	0.2	
4	Experimental voltage KV/DC	0.9	
	Experimental voltage KV/AC	0.5	
5	Working current A	2	
6	Operating temperature ℃	-500℃~125℃	
7	Mechanical life Times	1000	

Key transformation:

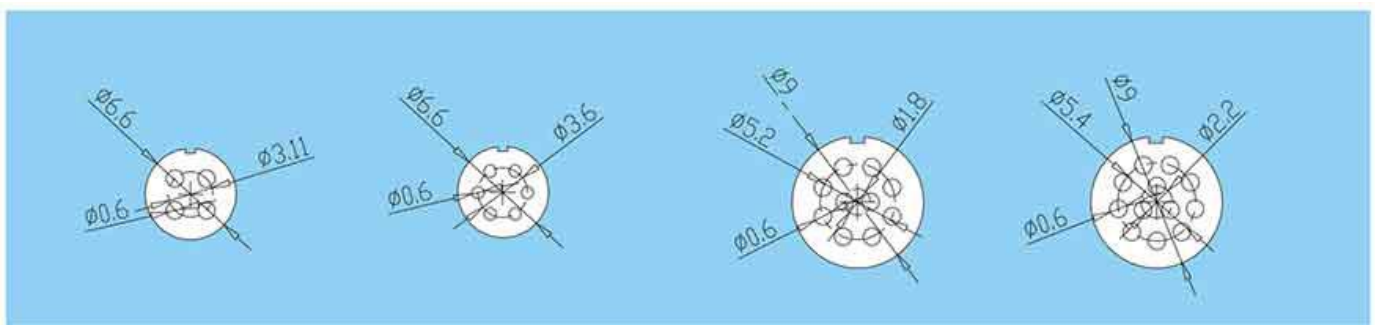
Front section of the plug Key position	
Contact form in the plug	Jack/jack
Contact form in the plug	Pin/pin
Number of contacts	4、6、7、10、12

Mounting panel opening size:

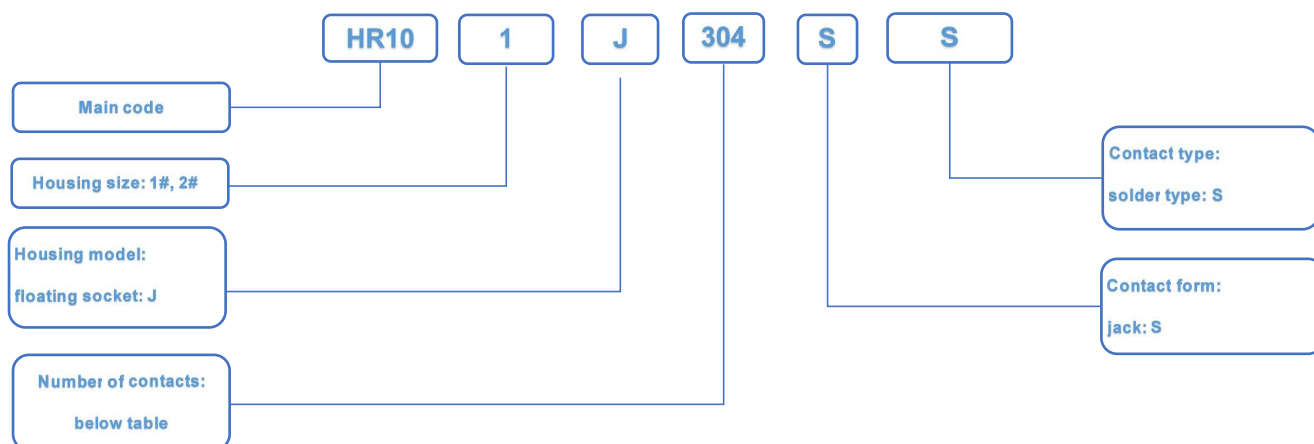


Shell number	D	T	L	B
1	8.0	1.6	9.0	7.3
2	11.1	2.5	11.5	11.3

PCB board interface size:



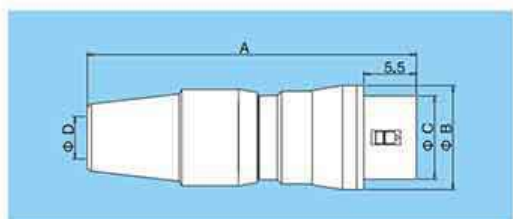
HR10 Series floating plug product numbering rules:



Product number example:

HR10-1J-4SS=main code HR10,1# floating plug,4 pin solder jack

HR10 Series floating plug



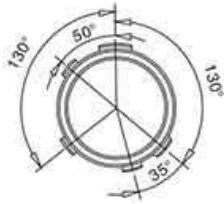
HR 10 series floating plug

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

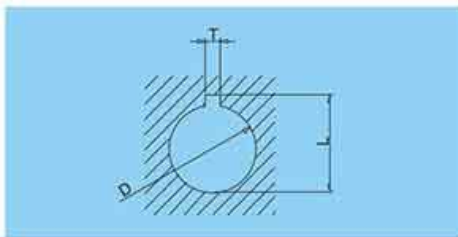
Technical Parameters:

Serial number	Performance	Insulator hole arrangement	
		1# case	1# case
1	Contact body diameter	mm	0.5
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4	Experimental voltage	KV/DC	0.9
	Experimental voltage	KV/AC	0.5
5	Working current	A	2
6	Operating temperature	°C	-500°C~125°C
7	Mechanical life	Times	1000

Key transformation:

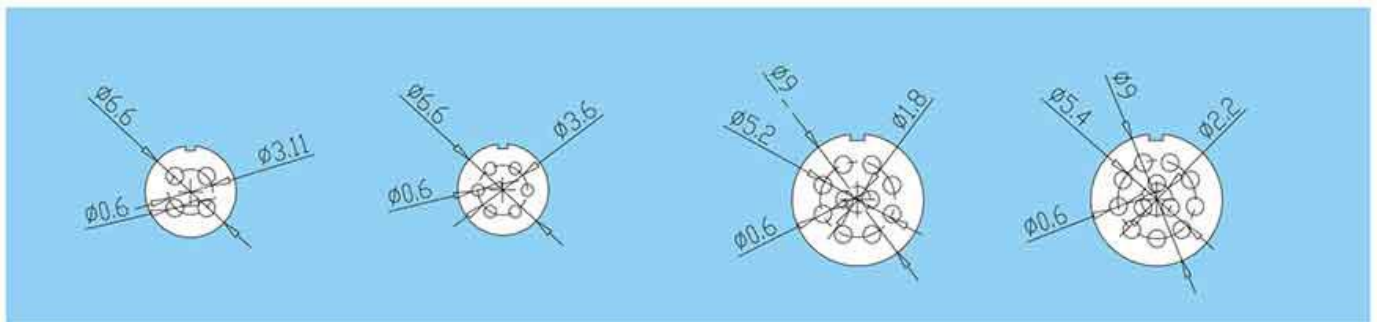
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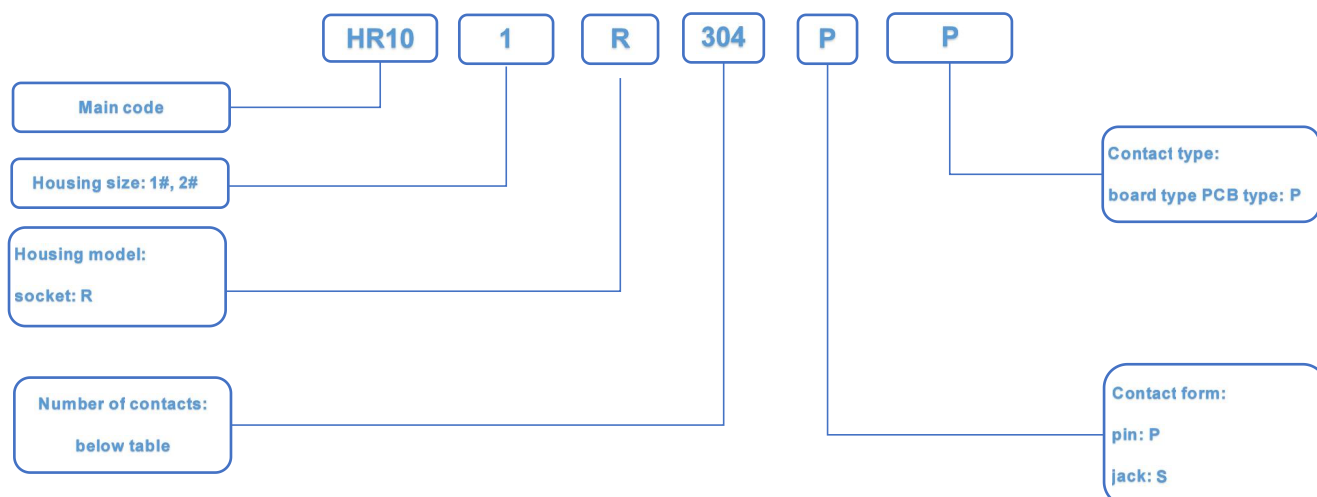


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PCB board interface size:



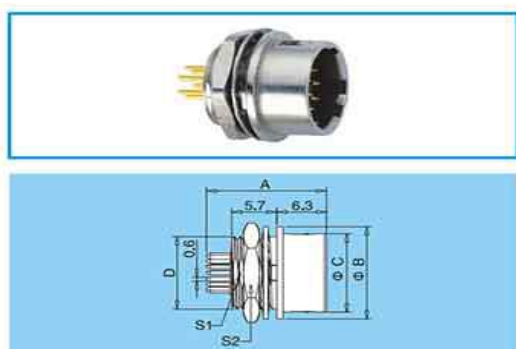
HR10 series board socket product numbering rules:



Product number example:

HR10-1P-4PP=main code HR10,1# fixed socket,4 pin board type pin

HR10 Series board socket



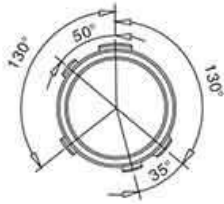
HR10 series board socket

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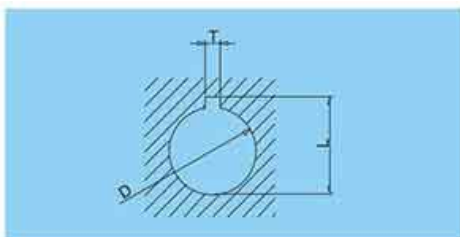
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