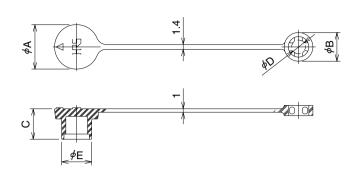
## Caps

### For Plugs

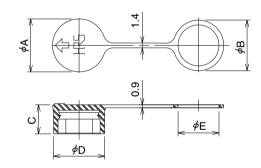




Part Number	CL No.	Applicable connector	А	В	С	D	E	Weight	RoHS
		HR30-6P-3S(71)							
		HR30-6P-6S(71)							
	400 0000 7 74	-3000-7-71 HR30-6P-6P(71) 13 8.4 8.9	4	8.8					
HR30-6P-C(71)	130-3000-7-71	HR30-6PA-3S(71)	15	0.4	0.9	4	0.0	1g	YES
		HR30-6PA-6S(71)							
		HR30-6PA-6P(71)							
		HR30-7P-10SC(71)					6 11.4		
HR30-7P-C(71)	130-3004-8-71	HR30-7P-12S(71)			0.4 10.5				
		HR30-7P-12SC(71)	16	10.4		6		2g	
	HR30-8P-12P(71)								
HR30-8P-C(71)	130-3003-5-71	HR30-8P-12PC(71)							

#### For Receptacle





Part Number	CL No.	Applicable connector	А	В	С	D	E	Weight	RoHS
		HR30-6R-3P(71)							
		HR30-6R-6P(71)							
HR30-6R-C(71)	130-3001-0-71	HR30-6R-6PD(71)	12.6	11.8	7.5	12.1	9.1		
		HR30-6R-6S(71)							
		HR30-6R-6SD(71)						1g	YES
		HR30-7R-10PC(71)	-						
		HR30-7R-12P(71)							
		HR30-7R-12PC(71)		14.8 8.5 1					
HR30-7R-C(71)	130-3002-2-71	HR30-7R-12PD(71)	15.5		.5 15 12.1	12.1			
		HR30-8R-12S(71)							
		HR30-8R-12SC(71)							
		HR30-8R-12SD(71)							

Note : When using these caps, do not use the gasket that is normally supplied with the receptacle. The "B" diameter end of the receptacle cap will serve as the gasket.

### Crimp Contacts

0.82

#### Male contact

11



A-A cross-section

#### Female contact

11



Part Number	CL No.	Packaging type	Weight	RoHS	
HR30-PC-111	130-0022-3	100pcs/bag	0.03g/1per pin	VEC	
HR30-PC-211	130-0016-0	10,000pcs/reel			

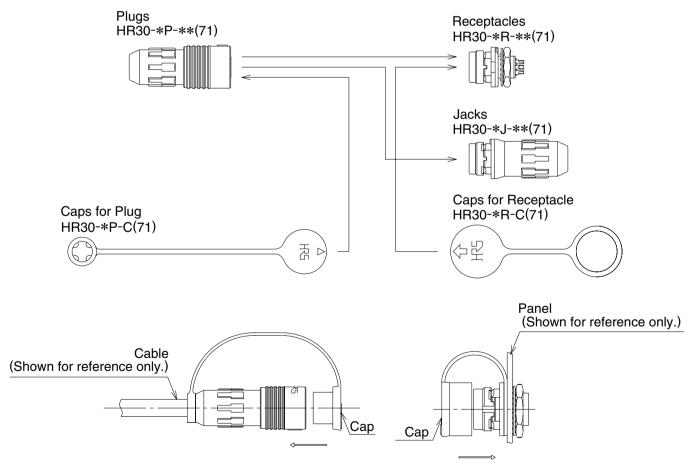
\_Α

Part Number	CL No.	Packaging type	Weight	RoHS
HR30-SC-111	130-0023-6	100pcs/bag	0.03g/1 pin	YES
HR30-SC-211	130-0017-3	10,000pcs/reel	0.03g/1 pin	TES

А

Note : Use wire size AWG 26 to 30 with a jacket diameter of 1 mm max.

# Connecting Combinations



Note 1 : When selecting connectors, take into account the shell size, contact count and gender of the contacts.

Note 2 : When using the protective caps for the receptacles, do not use the gaskets normally supplied with the receptacle. Protective caps must be fully inserted to assure specified IP67 water and dust protection.

## Applicable Fixtures

#### Solder termination fixture

Part Number	CL No.	Applicable Connectors
HR30-6P-3S-T01	150-0220-1	HR30-6P-3S(71)
HK30-0F-33-101	150-0220-1	HR30-6PA-3S(71)
HR30-6P-6S-T01	150-0214-9	HR30-6P-6S(71)
HK30-0F-03-101	150-0214-9	HR30-6PA-6S(71)
HR30-6P-6P-T01	150-0221-4	HR30-6P-6P(71)
	150-0221-4	HR30-6PA-6P(71)
HR30-7P-10SC-T01	150-0228-3	HR30-7P-10SC(71)
HR30-7P-12SC-T01	150-0223-0	HR30-7P-12S(71)
11K30-7F-1230-101	130-0223-0	HR30-7P-12SC(71)
HR30-8P-12PC-T01	150-0227-0	HR30-8P-12P(71)
HK30-0F-12FC-101	130-0227-0	HR30-8P-12PC(71)
HR30-6R-3P-T01	150-0225-5	HR30-6R-3P(71)
		HR30-6R-6P(71)
HR30-6R-6P-T01	150-0218-0	HR30-6J-6P(71)
		HR30-6JA-6P(71)
HR30-6R-6S-T01	150-0222-7	HR30-6R-6S(71)
HR30-7J-10PC-T01	150-0231-8	HR30-7J-10PC(71)
HR30-7J-12PC-T01	150-0230-5	HR30-7J-12PC(71)
HR30-8J-12SC-T01	150-0226-8	HR30-8J-12SC(71)

Note : The back shell tightening collar is used to tighten the back shell to the specified torque. Refer to assembly procedures.

### •Tightening collar for back shell

Part Number	CL No.	Applicable Connectors
HR30-6P-T02	150-0216-4	3 and 6 pos.
HR30-8P-T02	150-0224-2	10 and 12 pos.

Note: The back shell tightening collar is used to tighten the back shell to specified torque. Refer to assembly procedures.



### Applicable Tools

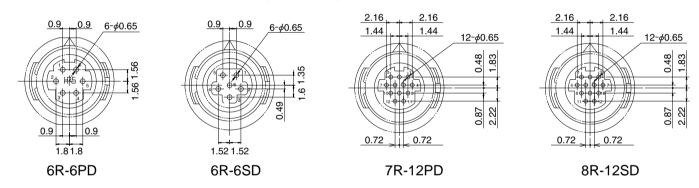
Туре	Description	Part Number	CL No.	Applicable contact	Applicable wire	
Manual	Manual crimping tool	HT-102/HR30-1	150-0229-6	HR30-SC-111	AWG#26~#30	
Manual			150-0229-0	HR30-PC-111		
	Automatic crimping machine	CM-105	901-0005-4			
Automatic	Applicator	AP105-HR30-1	001 2015 0	HR30-SC-211	AWG#26~#30	
			901-2015-9	HR30-PC-211		
Extraction tool			150-0219-2	HR30-SC-111		
				HR30-SC-211		
		HR30-TP		HR30-PC-111		
				HR30-PC-211		







# Receptacle, Board Mounting Through Hole Pattern



Notes 1.The receptacle through hole configuration depicts a view from the mating side of the connector.

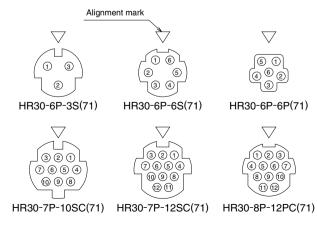
2.The recommended board maximum thickness :1.2 mm.

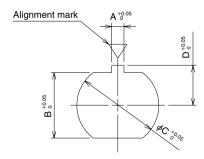
3. Tolerance of +0.03 mm is recommended for the plated through hole location.

Tolerance of +0.02 mm is recommended for the plated through hole diameter.

### Contact Position Arrangement





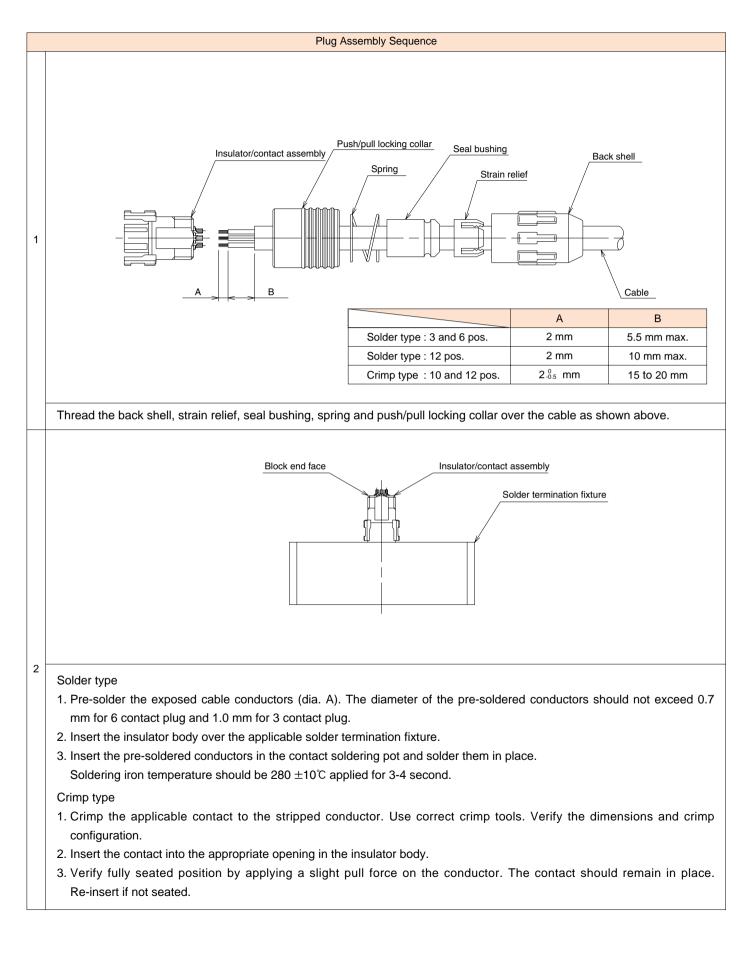


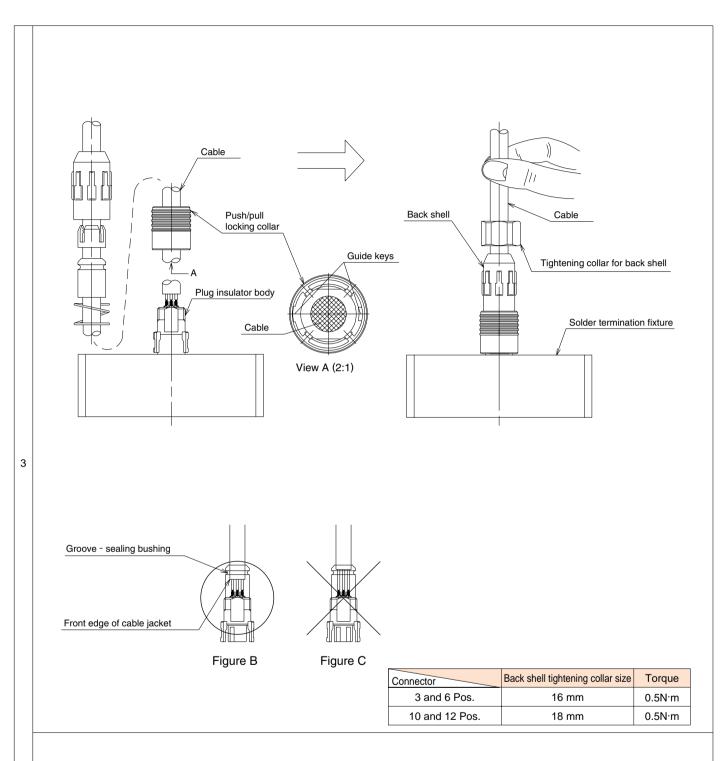
	А	В	С	D	Panel Thishness
3,6 pos	1.25	6.45	8.05	3.95	0.7~2
10,12 pos	1.35	9.25	11.05	5.45	0.7~3

Notes 1. The contact configuration depicts a view from the wiring side.

2. Mounting to the panel is accomplished by tightening the hexagonal nut from the rear side of the panel.

# Assembly Procedures

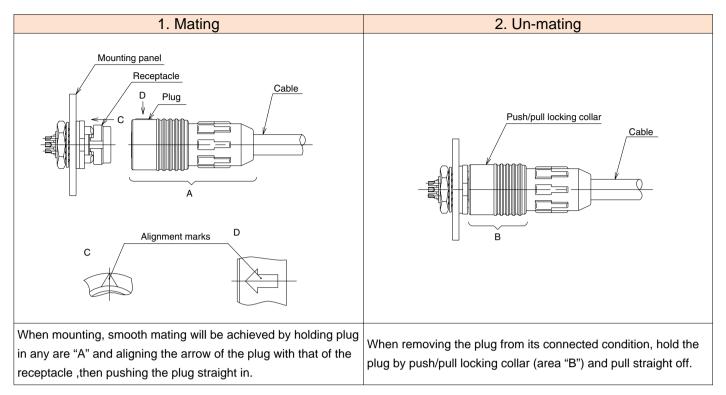




- 1. To prevent accidental loosening of the back shell it is recommended that a small amount of primer (Loctite® 7649) and adhesive (Loctite® 271) be applied to the threads of the insulator body before proceeding.
- 2. Keeping the terminated insulator body on the fixture, re-assembly the plug in order shown.
- 4. Using the correct back-tightening collar tighten the back shell to the specified torque. When tightening the collar make sure that the cable will NOT turn.
- 5. Remove the assembly from the fixture.

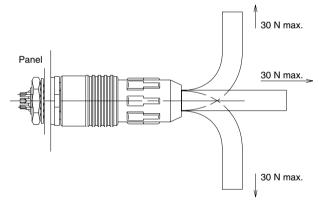
Note: Loctite is a registered trademark of the Henkel Loctite Corporation.

## General usage notes



### Precautions

1. Do NOT apply force in excess of 30N in the directions shown below.



2. To maintain the water/dust protection performance and the cable clamp force, use a cable that is within the range of applicable cable diameter. 3. Consult HRS representative when using different cables.



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