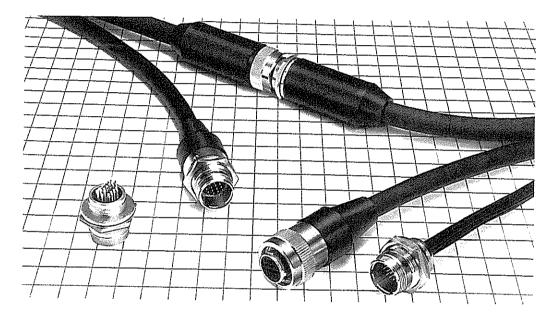
## HR22 SERIES HIGH-PERFORMANCE COMPACT CIRCULAR CONNECTORS

#### Scope

The HR22 Series are 20-pin compact circular connectors developed as an interface between machine tool motors and operation panels, with a screw coupling type locking machanism to prevent unlocking due to motor vibration, and are available in either waterproof or non-waterproof types.



#### Features

- 1. Available in Waterproof and Non-Waterproof Types. Engaged waterproof type connectors are free from water penetration for 48 hours at a depth of 1.8 meters.
- Anti-Loosening Locking Mechanism. The locking mechanism has an anti-loosening spring in a screw coupling.
- 3 Two Types of Termination Available in two wiring styles for wider selection: Crimp type and soldering.
- Easy Receptacle Mounting. A receptacle may be mounted quickly on a panel by tightening a nut.
- Available with Wire Protection This type of connector has a shell with a cord bushing for increased cable curvature and protection against wire breakage when bending the wire.
- High-Density Design.
  The maximum plug dia. is 21mm for higher density of a 20-pin type connector.

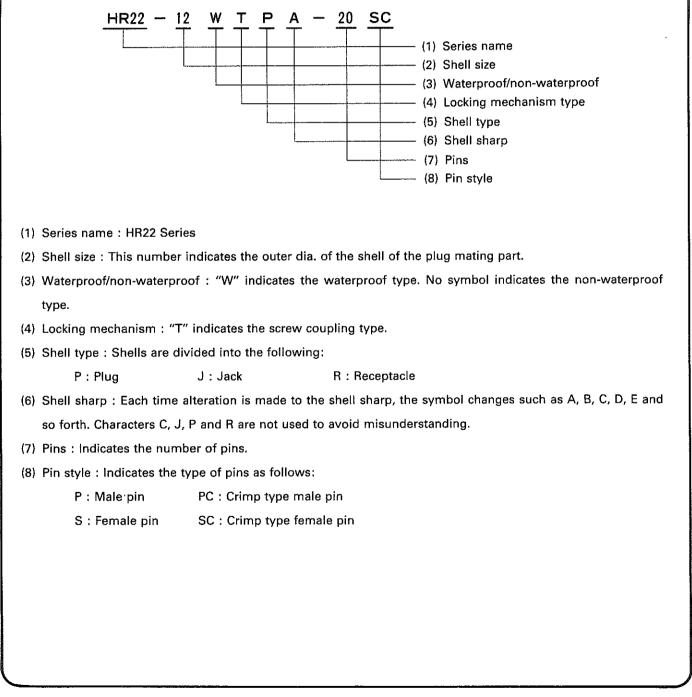
#### Application

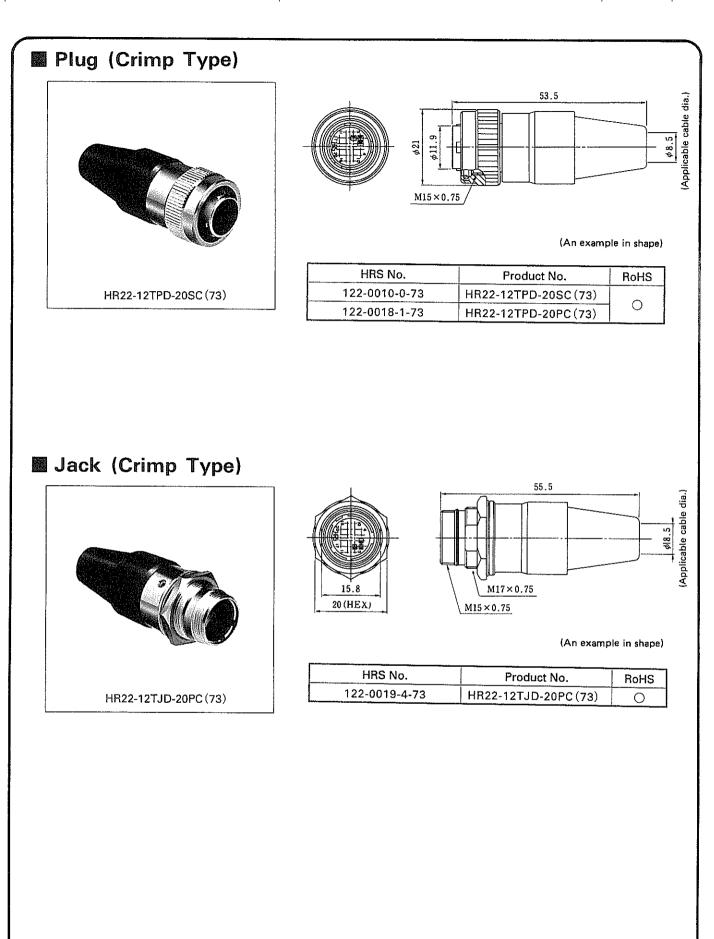
NC machining tools, FA equipment, communication equipment, measuring instruments and other electronic devices and equipment

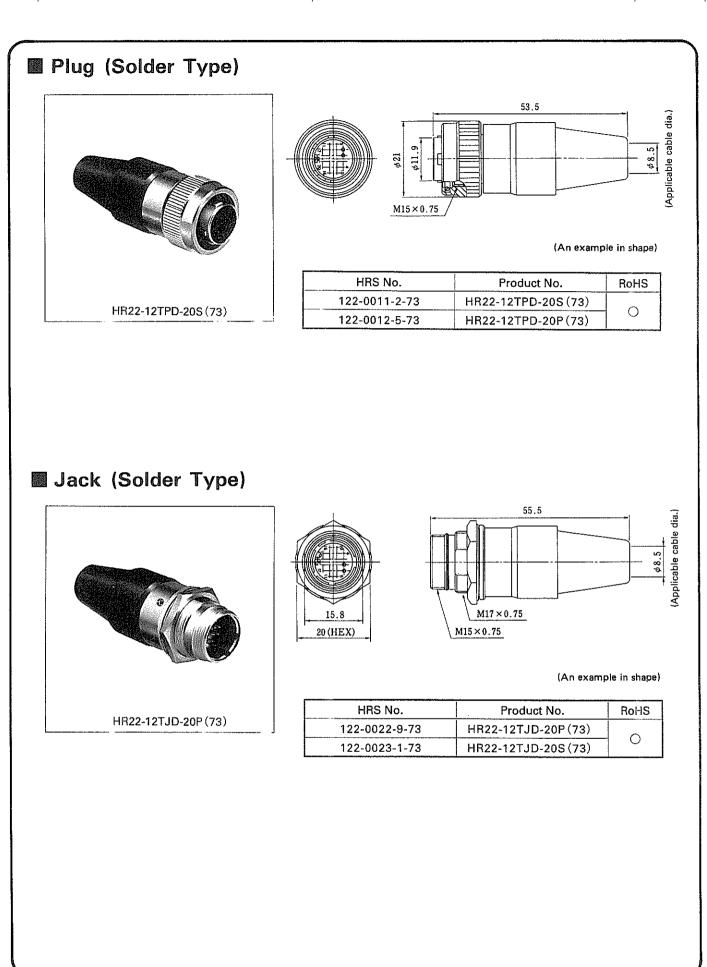
### Materials and Finish

Part No.	Material	Finish
Shell	Zinc alloy and brass	Nickel plating
Insulator	PBT resin ※	(Black)
Male terminal	Brass or phosphor bronze	Silver plating
Female terminal	Beryllium copper or phosphor bronze	Silver plating

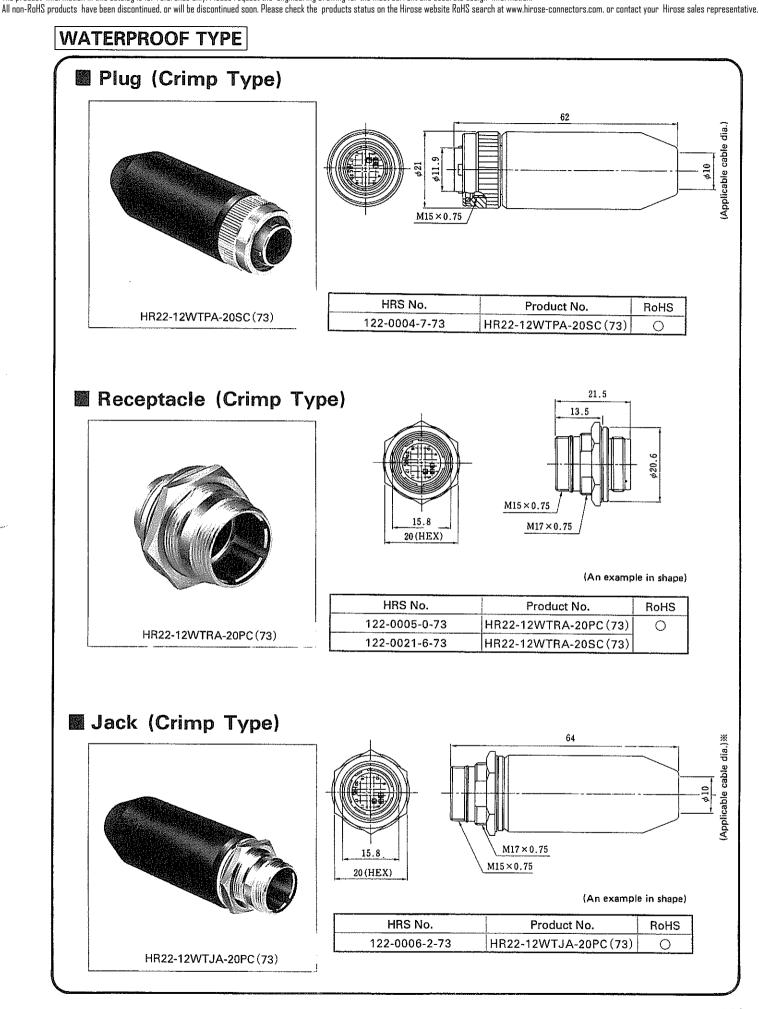
#### Ordering Information



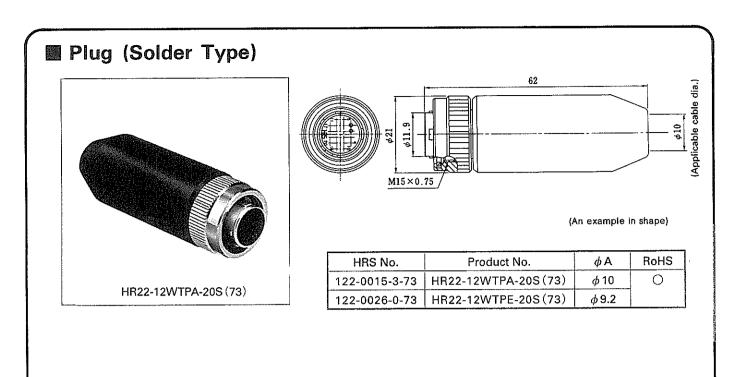




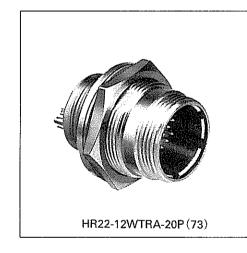
The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.

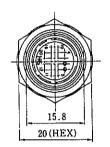


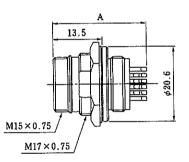
193



#### Receptacle (Solder type)







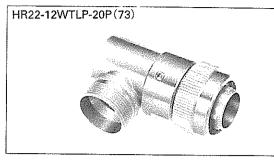
#### (An example in shape)

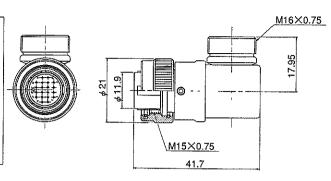
HRS No.	Product No.	А	RoHS
122-0013-8-73	HR22-12WTRA-20P(73)	25.5	0
122-0014-0-73	HR22-12WTRA-20S(73)	24	

. The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.

All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative.

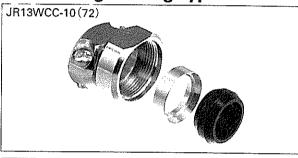
## Right angle plug(Solder type)





Part No.	HRS No.	Weight	RoHS
HR22-12WTLP-20P(73)	CL122-0054-5-73	55g	0

# Cable clamp Screw tightening type



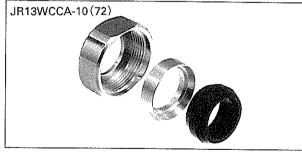
Wrench applic dimension of	ation sp 17mm	M16×0.75	
			\$

Shown one type

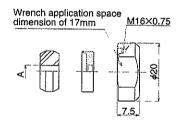
Part No.	HRS No.	A	Weight	RoHS
JR13WCC-4(72)	CL114-2045-0-72	4	17g	
JR13WCC-5(72)	CL114-2046-3-72	5	17g	0
JR13WCC-6(72)	CL114-2047-6-72	6	17g	

Part No.	HRS No.	Α	Weight	RoHS
JR13WCC-7(72)	CL114-2048-9-72	4	17g	
JR13WCC-8(72)	CL114-2049-4-72	5	17g	0
JR13WCC-9(72)	CL114-2050-0-72	6	17g	1
JR13WCC-10(72)	CL114-2051-3-72	6	17g	1

#### Without screw type

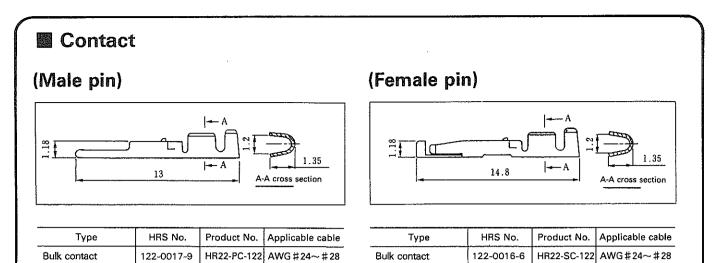


Part No.	HRS No.	A	Weight	RoHS
JR13WCCA-4(72)	CL114-2069-9-72	4	17g	
JR13WCCA-5(72)	CL114-2070-8-72	5	17g	0
JR13WCCA-6(72)	CL114-2071-0-72	6	17g	



Shown one type

Part No.	HRS No.	Α	Weight	RoHS
JR13WCCA-7(72)	CL114-2072-3-72	4	12g	
JR13WCCA-8(72)	CL114-2073-6-72	5	12g	0
JR13WCCA-9(72)	CL114-2074-9-72	6	12g	
JR13WCCA-10(72)	CL114-2075-1-72	6	12g	



Chain contact

122-0008-8

HR22-SC-222 AWG # 24~ # 28

Notes:	

Chain contact

(1) 100 separate terminals are contained in a package, 10,000 continuous terminals are wound on a reel.

AWG #24~#28

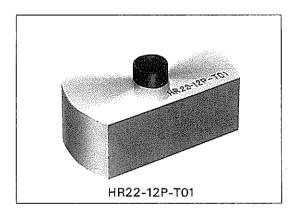
(2) Use a cable having a insulator outer dia. of 1.15 mm or more.

HR22-PC-222

122-0009-0

#### Wiring Jig

A connector may be assembled and disassembled easily using the assembly jig shown below:



HRS No.	Product No.	Applicable connector
150-0075-4	HR22-12P-T01	For HR22-12WTPA For HR22-12TPD

