RM SERIES SHELL SIZE 12 - 31mm CIRCULAR CONNECTORS

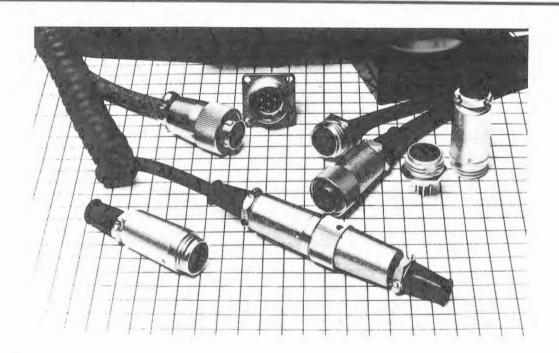
Introduction

RM Series are compact, circular connectors HIROSE has developed as the result of many years of research and proven experience to meet the most stringent demands of communication equipment as well as electronic equipment. RM Series is available in 5 shell sizes: 12, 15, 21, 24, and 31. There are also 16 kinds of contacts: 2, 3, 4, 5, 6, 7, 8, 10, 12, 15, 20, 31, 40, and 55 (contacts 2 and 4 are available in two types). The lock mechanisms with thread

coupling type, bayonet sleeve type or quick detachable type are easy to use.

Various kinds of accessories are available.

RM Series are miniaturized in size, rugged and excellent in mechanical and electrical performance thus making it possible to meet the most stringent demands of users. Refer to the contact arrangements of RM series connectors on page 46.

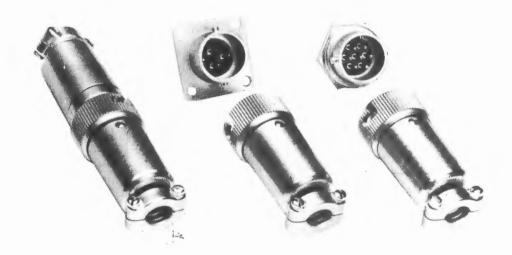


Material and Finish

Socket Contact	CDA alloy 194 (all of solder pot type), Silver plated Phosphor bronze (dip soldering and crimping type), Silver plated
Pin Contact	Brass, Silver plated
Molding	UL94V-0 diallyl phthalate (all of solder pot type), Black UL94V-0 glass-filled polycarbonate (dip soldering and crimping type), Black
Shell	Zinc alloy (RM12B, RM15T-Video), Nickel plated Brass (RM15Q, Other RM series), Nickel plated
Body	1) Zinc alloy (RM12B), Matte finish nickel plated 2) Aluminum alloy (RM15T-Video), Alumite coating 3) Brass (RM15Q, Other RM series), Bright finish nickel plated

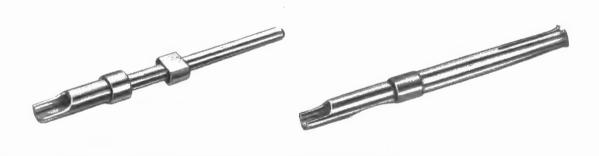
RM12B SERIES SHELL SIZE 12mm BAYONET LOCK CONNECTORS

Hirose has developed RM12B series in order to supply customers better cylindrical connectors which enable easier soldering termination due to the long plug body. Diecast zinc alloy housings reduce costs. Coupled with reliable, long life contacts, the RM12B connectors are an attractive and competitive offering.



Pin Contact

Socket Contact



Features

- Pipe shaped socket contact for long life reliable operation
- UL94V-0 diallyl phthalate molding material for excellent electrical and mechanical characteristics
- Sleek design with grainy matte finish
- Bayonet type coupling for easy operation
- Reversible pin and socket insert
- 2,3,4,5,6, and 7 pin available in the common diecasting body
- Besides plug and receptacle, a jack is available for cable extention program

Specification

Operating voltage: AC600V (2 pin)

AC500V (3 and 4 pin)

AC350V (5,6 and 7 pin)

Current rating: 5 amps

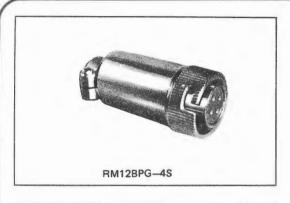
• Insulation resistance: min. 1,000M Ω at DC500V

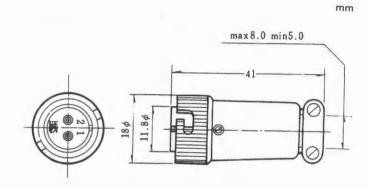
Contact resistance: max. 4mΩ
 Solder cup diameter: 1.1mm (.043")

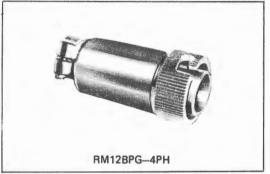
Temperature cycling: -55°C to +85°C

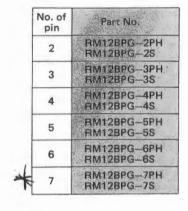
Contact durability: 2000 times at max. 8mΩ

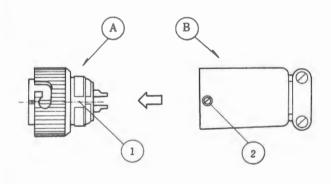
Plug











Caution:

After soldering termination, when B part is screwed onto A part, please pay attention to locate them, so the screw 2 drops in one of three dents as shown 1 around the rim.

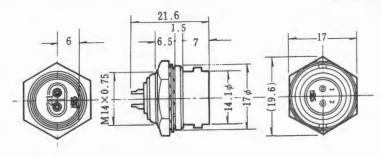
Contact arrangement

Shell size						
12	2 l					
No. of contacts	2	3	4	5	6	7

mm



RM12BRD-4PH

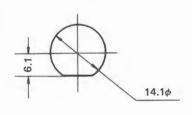




RM12BRD-4S

No. of pins	Part No.
2	RM12BRD-2S RM12BRD-2PH
3	RM12BRD-3S RM12BRD-3PH
4	RM12BRD-4S RM12BRD-4PH
5	RM12BRD-5S RM12BRD-5PH
6	RM12BRD-6S RM12BRD-6PH
7	RM12BRD-7S RM12BRD-7PH

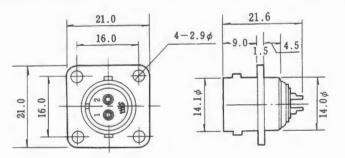
Mounting Hole



mm



RM12BRB-4S

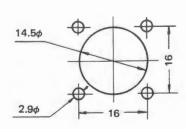




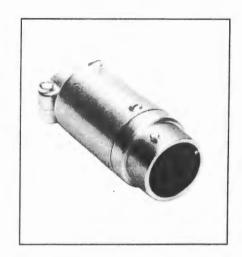
RM12BRB-4PH

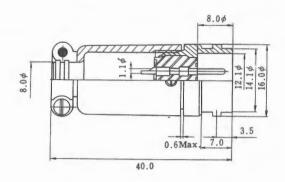
No. of pins	Part No.
2 ·	RM12BRB-2S RM12BRB-2PH
3	RM12BRB-3S RM12BRB-3PH
4	RM12BRB-4S RM12BRB-4PH
5	RM12BRB-5S RM12BRB-5PH
6	RM12BRB-6S RM12BRB-6PH
7	RM12BRB-7S RM12BRB-7PH

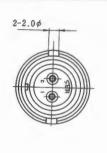
Mounting Hole



Jack

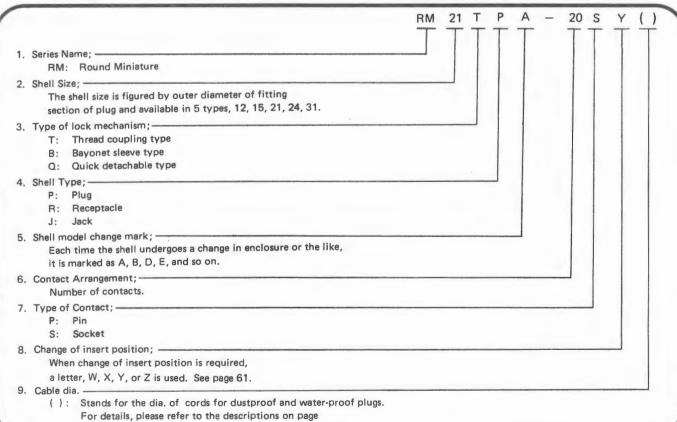






No. of pins	Part No.
2	RN12BJB-2S RM12BJB-2PH
3	RM12BJB-3S RM12BJB-3PH
4	RM12BJB-4S RM12BJB-4PH
5	RM12BJB-5S RM12BJB-5PH
6	RM12BJB-6S RM12BJB-6PH
7	RM12BJB-7S RM12BJB-7PH

Ordering Information



MEMO:
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