

# JR SERIES SHELL SIZE 13-25 ALUMINUM CONNECTORS

## Scope

There is a Japanese standard titled JIS C 5432: "Electronic Equipment Round Type Connectors." JIS C 5432 is especially aiming at future standardization of new connectors. JR series connectors are designed to meet this specification. JR series connectors offer excellent performance

both electrically and mechanically. They have five keys in the fitting section to assure smooth coupling. A waterproof type is available. Contact arrangement performance of the pins is shown on page 160.

## Material and Finish

| Part name      | Material       | Finish        |
|----------------|----------------|---------------|
| Shell          | Aluminum alloy | Nickel plated |
| Insulator      | Synthetic      |               |
| Pin contact    | Copper alloy   | Silver plated |
| Socket contact | Copper alloy   | Silver plated |

## Ordering Information

JR    16    P    A    -    10    S

(1) Series No. \_\_\_\_\_

(2) Shell size \_\_\_\_\_

(3) Shell type \_\_\_\_\_

(4) Shell model change mark \_\_\_\_\_

(5) Number of contacts \_\_\_\_\_

(6) Contact type \_\_\_\_\_

(1) Series No.: JR stands for JIS Round Connector

(2) Shell size: The shell size is 13, 16, 21, and 25

(3) Shell type:

P: Plug  
J: Jack  
R: Receptacle  
RC: Receptacle Cap  
BP: Bayonet Lock Type Plug  
BR: Bayonet Lock Type Receptacle  
WP: Waterproof Type Plug  
WR: Waterproof Type Receptacle

(4) Shell model change mark:

Any change of shell configuration involves a new symbol mark A, B, D, E, and so on. C, J, P, and R, which are used for other connectors, are not used.

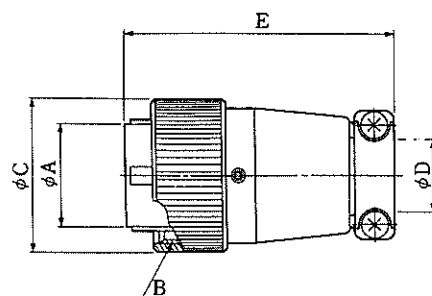
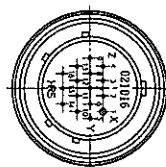
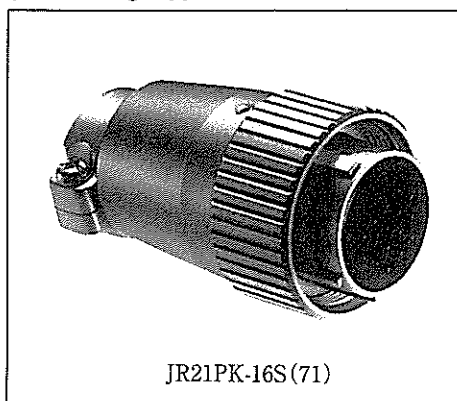
(5) Number of contacts

(6) Contact type:

P: Pin contact  
PC: Crimp Pin Contact  
S: Socket contact  
SC: Crimp Socket Contact

## Plug

### (Soldering Type)



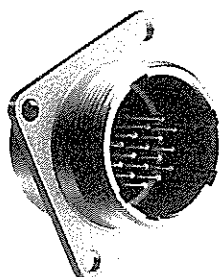
(An example in shape)

| HRS No.       | Part No.       | No. of pins | φA   | B     | φC   | φD   | E    | JIS No.        | RoHS |
|---------------|----------------|-------------|------|-------|------|------|------|----------------|------|
| 114-0501-7-71 | JR13PK-3P(71)  | 3           | 12.7 | M18×1 | 21.8 | 8.5  | 45.5 | CNR01SPM013003 | ○    |
| 114-0502-0-71 | JR13PK-5P(71)  | 5           | 12.7 | M18×1 | 21.8 | 8.5  | 45.5 | CNR01SPM013005 |      |
| 114-0503-2-71 | JR16PK-7P(71)  | 7           | 16.3 | M22×1 | 25.8 | 11.5 | 49.5 | CNR01SPM016007 |      |
| 114-0504-5-71 | JR16PK-10P(71) | 10          | 16.3 | M22×1 | 25.8 | 11.5 | 49.5 | CNR01SPM016010 |      |
| 114-0505-8-71 | JR21PK-10P(71) | 10          | 20.5 | M26×1 | 29.8 | 15   | 53.5 | CNR01SPM021010 |      |
| 114-0506-0-71 | JR21PK-16P(71) | 16          | 20.5 | M26×1 | 29.8 | 15   | 53.5 | CNR01SPM021016 |      |
| 114-0507-3-71 | JR25PK-16P(71) | 16          | 24.7 | M30×1 | 33.8 | 18   | 56.5 | CNR01SPM025016 |      |
| 114-0508-6-71 | JR25PK-24P(71) | 24          | 24.7 | M30×1 | 33.8 | 18   | 56.5 | CNR01SPM025024 |      |
| 114-0552-8-71 | JR25PK-4P(71)  | 4           | 24.7 | M30×1 | 33.8 | 18   | 56.5 | _____          |      |
| 114-0554-3-71 | JR25PK-5P(71)  | 5           | 24.7 | M30×1 | 33.8 | 18   | 56.5 | _____          |      |
| 114-0556-9-71 | JR25PK-8P(71)  | 8           | 24.7 | M30×1 | 33.8 | 18   | 56.5 | _____          |      |

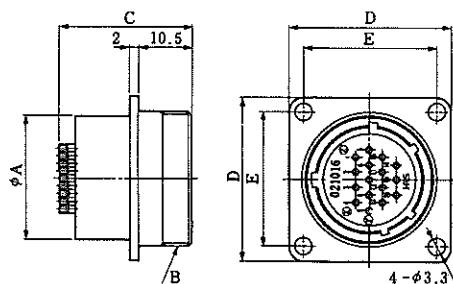
| HRS No.       | Part No.       | No. of pins | φA   | B     | φC   | φD   | E    | JIS No.        | RoHS |
|---------------|----------------|-------------|------|-------|------|------|------|----------------|------|
| 114-0509-9-71 | JR13PK-3S(71)  | 3           | 12.7 | M18×1 | 21.8 | 8.5  | 45.5 | CNR01SPF013003 | ○    |
| 114-0510-8-71 | JR13PK-5S(71)  | 5           | 12.7 | M18×1 | 21.8 | 8.5  | 45.5 | CNR01SPF013005 |      |
| 114-0511-0-71 | JR16PK-7S(71)  | 7           | 16.3 | M22×1 | 25.8 | 11.5 | 49.5 | CNR01SPF016007 |      |
| 114-0512-3-71 | JR16PK-10S(71) | 10          | 16.3 | M22×1 | 25.8 | 11.5 | 49.5 | CNR01SPF016010 |      |
| 114-0513-6-71 | JR21PK-10S(71) | 10          | 20.5 | M26×1 | 29.8 | 15   | 53.5 | CNR01SPF021010 |      |
| 114-0514-9-71 | JR21PK-16S(71) | 16          | 20.5 | M26×1 | 29.8 | 15   | 53.5 | CNR01SPF021016 |      |
| 114-0515-1-71 | JR25PK-16S(71) | 16          | 24.7 | M30×1 | 33.8 | 18   | 56.5 | CNR01SPF025016 |      |
| 114-0516-4-71 | JR25PK-24S(71) | 24          | 24.7 | M30×1 | 33.8 | 18   | 56.5 | CNR01SPF025024 |      |
| 114-0553-0-71 | JR25PK-4S(71)  | 4           | 24.7 | M30×1 | 33.8 | 18   | 56.5 | _____          |      |
| 114-0555-6-71 | JR25PK-5S(71)  | 5           | 24.7 | M30×1 | 33.8 | 18   | 56.5 | _____          |      |
| 114-0557-1-71 | JR25PK-8S(71)  | 8           | 24.7 | M30×1 | 33.8 | 18   | 56.5 | _____          |      |

Note: Fasten a screw by means of torque wrench at 3.5~4.5kg·cm

## Receptacle



JR21RK-16P

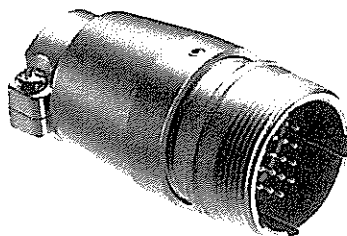


(An example in shape)

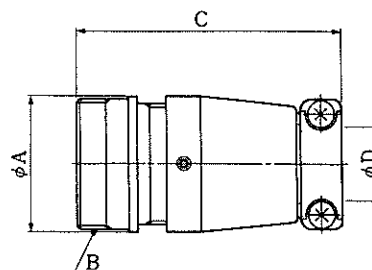
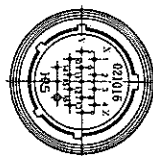
| HRS No.       | Part No.       | No. of pins | $\phi A$ | B     | C    | D  | E  | JIS No.        | RoHS |
|---------------|----------------|-------------|----------|-------|------|----|----|----------------|------|
| 114-0517-7    | JR13RK-3P      | 3           | 15.9     | M18×1 | 26.6 | 26 | 20 | CNR01SRM013003 | ○    |
| 114-0518-0    | JR13RK-5P      | 5           | 15.9     | M18×1 | 26.1 | 26 | 20 | CNR01SRM013005 |      |
| 114-0519-2    | JR16RK-7P      | 7           | 19.9     | M22×1 | 26.6 | 29 | 23 | CNR01SRM016007 |      |
| 114-0520-1    | JR16RK-10P     | 10          | 19.9     | M22×1 | 26.1 | 29 | 23 | CNR01SRM016010 |      |
| 114-0521-4    | JR21RK-10P     | 10          | 23.9     | M26×1 | 26.6 | 32 | 26 | CNR01SRM021010 |      |
| 114-0522-7    | JR21RK-16P     | 16          | 23.9     | M26×1 | 26.1 | 32 | 26 | CNR01SRM021016 |      |
| 114-0523-0    | JR25RK-16P     | 16          | 27.9     | M30×1 | 26.6 | 35 | 29 | CNR01SRM025016 |      |
| 114-0524-2    | JR25RK-24P     | 24          | 27.9     | M30×1 | 26.1 | 35 | 29 | CNR01SRM025024 |      |
| 114-0558-4-71 | JR25RK-4P (71) | 4           | 27.9     | M30×1 | 28   | 35 | 29 | _____          |      |
| 114-0560-6-71 | JR25RK-5P (71) | 5           | 27.9     | M30×1 | 26.6 | 35 | 29 | _____          |      |
| 114-0562-1-71 | JR25RK-8P (71) | 8           | 27.9     | M30×1 | 26.6 | 35 | 29 | _____          |      |

| HRS No.    | Part No.   | No. of pins | $\phi A$ | B     | C    | D  | E  | JIS No.        | RoHS |
|------------|------------|-------------|----------|-------|------|----|----|----------------|------|
| 114-0525-5 | JR13RK-3S  | 3           | 15.9     | M18×1 | 28   | 26 | 20 | CNR01SRF013003 | ○    |
| 114-0526-8 | JR13RK-5S  | 5           | 15.9     | M18×1 | 27   | 26 | 20 | CNR01SRF013005 |      |
| 114-0527-0 | JR16RK-7S  | 7           | 19.9     | M22×1 | 28   | 29 | 23 | CNR01SRF016007 |      |
| 114-0528-3 | JR16RK-10S | 10          | 19.9     | M22×1 | 27   | 29 | 23 | CNR01SRF016010 |      |
| 114-0529-6 | JR21RK-10S | 10          | 23.9     | M26×1 | 28   | 32 | 26 | CNR01SRF021010 |      |
| 114-0530-5 | JR21RK-16S | 16          | 23.9     | M26×1 | 27   | 32 | 26 | CNR01SRF021016 |      |
| 114-0531-8 | JR25RK-16S | 16          | 27.9     | M30×1 | 28   | 35 | 29 | CNR01SRF025016 |      |
| 114-0532-0 | JR25RK-24S | 24          | 27.9     | M30×1 | 27   | 35 | 29 | CNR01SRF025024 |      |
| 114-0559-7 | JR25RK-4S  | 4           | 27.9     | M30×1 | 28   | 35 | 29 | _____          |      |
| 114-0561-9 | JR25RK-5S  | 5           | 27.9     | M30×1 | 27.8 | 35 | 29 | _____          |      |
| 114-0563-4 | JR25RK-8S  | 8           | 27.9     | M30×1 | 27.8 | 35 | 29 | _____          |      |

## Jack



JR21JK-16P



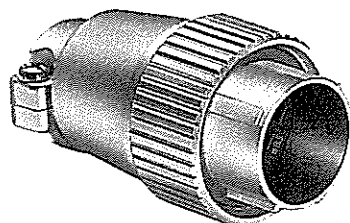
(An example in shape)

| HRS No.       | Part No.       | No. of pins | $\phi A$ | B     | C    | $\phi D$ | RoHS |
|---------------|----------------|-------------|----------|-------|------|----------|------|
| 114-0533-3    | JR13JK-3P      | 3           | 19       | M18×1 | 44.5 | 8.5      | ○    |
| 114-0534-6    | JR13JK-5P      | 5           | 19       | M18×1 | 44.5 | 8.5      |      |
| 114-0535-9    | JR16JK-7P      | 7           | 23       | M22×1 | 48.5 | 11.5     |      |
| 114-0536-1    | JR16JK-10P     | 10          | 23       | M22×1 | 48.5 | 11.5     |      |
| 114-0537-4    | JR21JK-10P     | 10          | 27       | M26×1 | 52.5 | 15       |      |
| 114-0538-7    | JR21JK-16P     | 16          | 27       | M26×1 | 52.5 | 15       |      |
| 114-0564-7-71 | JR25JK-4P (71) | 4           | 31       | M30×1 | 55.5 | 18       |      |
| 114-0539-0    | JR25JK-16P     | 16          | 31       | M30×1 | 55.5 | 18       |      |
| 114-0540-9    | JR25JK-24P     | 24          | 31       | M30×1 | 55.5 | 18       |      |

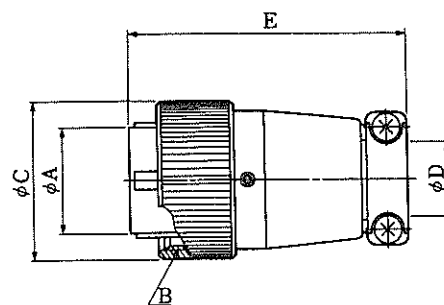
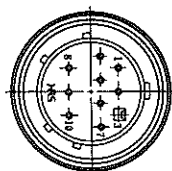
| HRS No.    | Part No.   | No. of pins | $\phi A$ | B     | C    | $\phi D$ | RoHS |
|------------|------------|-------------|----------|-------|------|----------|------|
| 114-0541-1 | JR13JK-3S  | 3           | 19       | M18×1 | 44.5 | 8.5      | ○    |
| 114-0542-4 | JR13JK-5S  | 5           | 19       | M18×1 | 44.5 | 8.5      |      |
| 114-0543-7 | JR16JK-7S  | 7           | 23       | M22×1 | 48.5 | 11.5     |      |
| 114-0544-0 | JR16JK-10S | 10          | 23       | M22×1 | 48.5 | 11.5     |      |
| 114-0545-2 | JR21JK-10S | 10          | 27       | M26×1 | 52.5 | 15       |      |
| 114-0546-5 | JR21JK-16S | 16          | 27       | M26×1 | 52.5 | 15       |      |
| 114-0565-0 | JR25JK-4S  | 4           | 31       | M30×1 | 55.5 | 18       |      |
| 114-0548-0 | JR25JK-24S | 24          | 31       | M30×1 | 55.5 | 18       |      |

Remark: Fasten a screw by means of torque wrench at 3.5~4.5kg-cm.

## Plug (Crimp Type)



JR21PK-10PC (71)

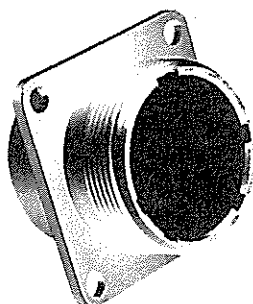


(An example in shape)

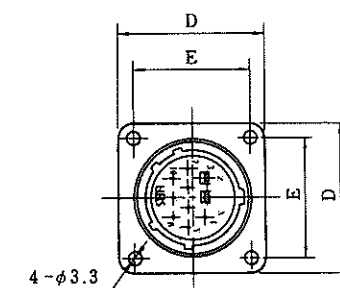
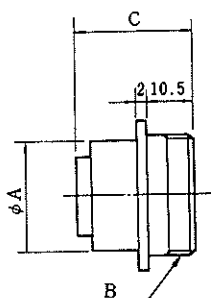
| HRS No.       | Part No.         | No. of pins | $\phi A$ | B     | $\phi C$ | $\phi D$ | E    | Remarks            | RoHS No. |
|---------------|------------------|-------------|----------|-------|----------|----------|------|--------------------|----------|
| 114-0570-0-71 | JR21PK-10PC (71) | 10          | 20.5     | M26×1 | 29.8     | 15       | 53.5 | Contact $\phi$ 1.6 | ○        |
| 114-0571-2-71 | JR21PK-10SC (71) | 10          | 20.5     | M26×1 | 29.8     | 15       | 53.5 | Contact $\phi$ 1.6 |          |
| 114-0572-5-71 | JR21PK-16PC (71) | 16          | 20.5     | M26×1 | 29.8     | 15       | 53.5 | Contact $\phi$ 1   |          |
| 114-0573-8-71 | JR21PK-16SC (71) | 16          | 20.5     | M26×1 | 29.8     | 15       | 53.5 | Contact $\phi$ 1   |          |
| 114-0574-0-71 | JR25PK-24PC (71) | 24          | 24.7     | M30×1 | 33.8     | 18       | 56.5 | Contact $\phi$ 1   |          |
| 114-0575-3-71 | JR25PK-24SC (71) | 24          | 24.7     | M30×1 | 33.8     | 18       | 56.5 | Contact $\phi$ 1   |          |

Note: Fasten a screw by means of torque wrench at 3.5~4.5kg·cm

## Receptacle



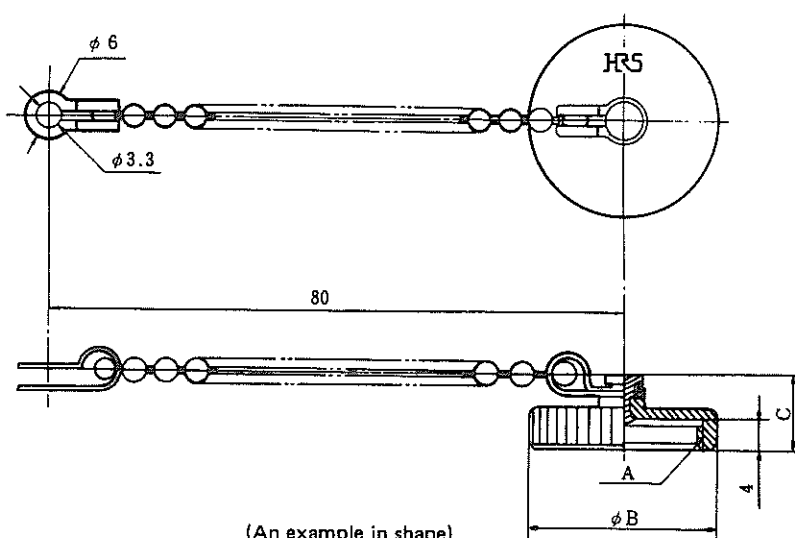
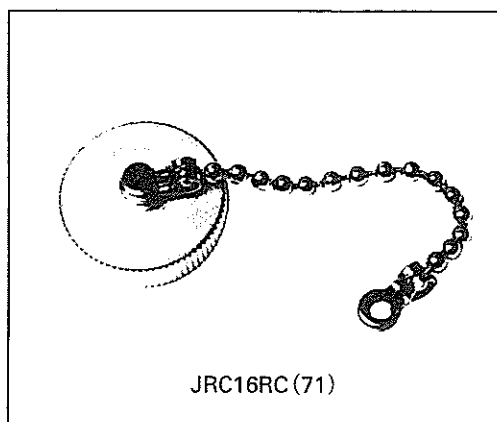
JR21RK-10SC



(An example in shape)

| HRS No.    | Part No.    | No. of pins | $\phi A$ | B     | C    | D  | E  | Remarks            | RoHS No. |
|------------|-------------|-------------|----------|-------|------|----|----|--------------------|----------|
| 114-0577-9 | JR21RK-10SC | 10          | 23.9     | M26×1 | 27.6 | 32 | 26 | Contact $\phi$ 1.6 | ○        |
| 114-0578-1 | JR21RK-16PC | 16          | 23.9     | M26×1 | 25.4 | 32 | 26 | Contact $\phi$ 1   |          |
| 114-0579-4 | JR21RK-16SC | 16          | 23.9     | M26×1 | 23   | 32 | 26 | Contact $\phi$ 1   |          |
| 114-0581-6 | JR25RK-24SC | 24          | 27.9     | M30×1 | 23   | 35 | 29 | Contact $\phi$ 1   |          |

## Cap for Receptacle

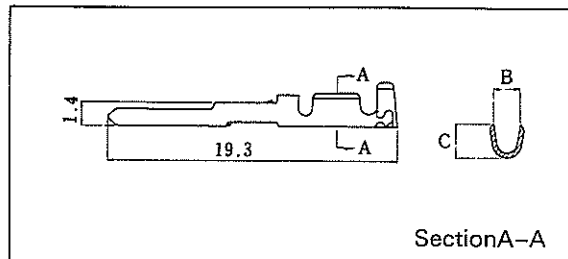


| HRS No.       | Part No.    | A     | $\phi B$ | C  | JIS No.    | RoHS |
|---------------|-------------|-------|----------|----|------------|------|
| 114-0053-8-71 | JRC13RC(71) | M18×1 | 21       | 10 | CNR01RC013 | ○    |
| 114-0054-0-71 | JRC16RC(71) | M22×1 | 25       | 10 | CNR01RC016 |      |
| 114-0055-3-71 | JRC21RC(71) | M26×1 | 29       | 10 | CNR01RC021 |      |
| 114-0056-6-71 | JRC25RC(71) | M30×1 | 33       | 10 | CNR01RC025 |      |

## Contact

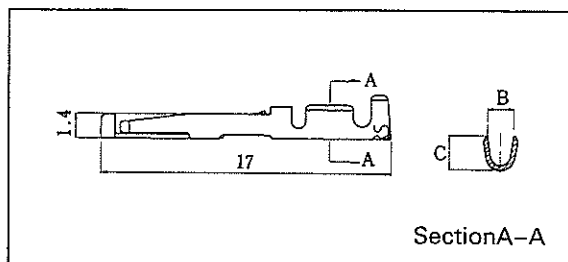
Contact diameter  $\phi 1.0$  mm

### Male Pin



| Type  | HRS No.    | Part No.    | B    | C   | Applicable wire | RoHS |
|-------|------------|-------------|------|-----|-----------------|------|
| Bulk  | 114-0243-3 | JRC-PC2-112 | 1.6  | 2.0 | AWG #20~#24     | ○    |
|       | 114-0244-6 | JRC-PC2-122 | 1.45 | 1.5 | AWG #24~#28     |      |
| Chain | 114-0245-9 | JRC-PC2-212 | 1.6  | 2.0 | AWG #20~#24     |      |
|       | 114-0246-1 | JRC-PC2-222 | 1.45 | 1.5 | AWG #24~#28     |      |

### Female Pin

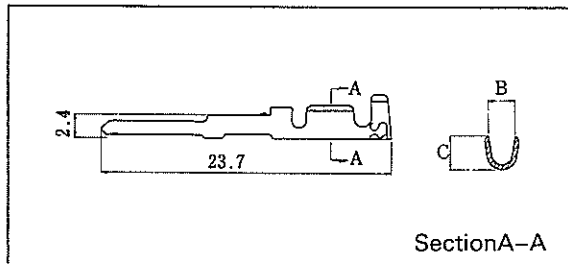


| Type  | HRS No.    | Part No.    | B    | C   | Applicable wire | RoHS |
|-------|------------|-------------|------|-----|-----------------|------|
| Bulk  | 114-0247-4 | JRC-SC2-112 | 1.6  | 2.0 | AWG #20~#24     | ○    |
|       | 114-0248-7 | JRC-SC2-122 | 1.45 | 1.5 | AWG #24~#28     |      |
| Chain | 114-0249-0 | JRC-SC2-212 | 1.6  | 2.0 | AWG #20~#24     |      |
|       | 114-0250-9 | JRC-SC2-222 | 1.45 | 1.5 | AWG #24~#28     |      |

Note: Bulk in bags of 100 pcs. chain or reels of 8,000 pcs.

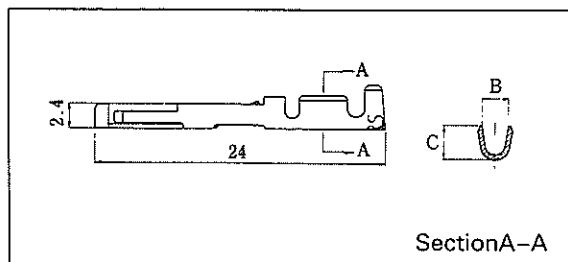
Contact diameter  $\phi 1.6$  mm

### Male Pin



| Type  | HRS No.    | Part No.   | B   | C   | Applicable wire | RoHS |
|-------|------------|------------|-----|-----|-----------------|------|
| Bulk  | 114-0239-6 | JRC-PC-112 | 2.3 | 2.9 | AWG #16~#20     | ○    |
| Chain | 114-0240-5 | JRC-PC-212 | 2.3 | 2.9 | AWG #16~#20     |      |

### Female Pin

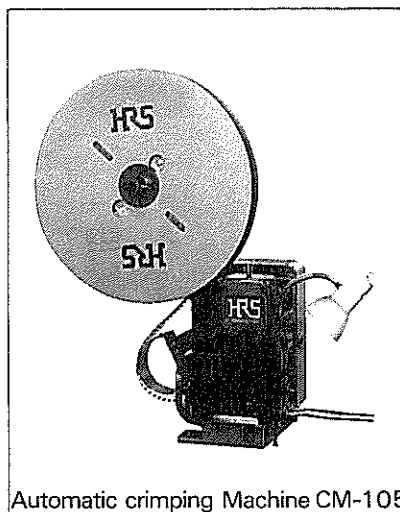


| Type  | HRS No.    | Part No.   | B   | C   | Applicable wire | RoHS |
|-------|------------|------------|-----|-----|-----------------|------|
| Bulk  | 114-0241-8 | JRC-SC-112 | 2.3 | 2.9 | AWG #16~#20     | ○    |
| Chain | 114-0242-0 | JRC-SC-212 | 2.3 | 2.9 | AWG #16~#20     |      |

Note: Bulk in bags of 100 pcs. chain or reels of 8,000 pcs.

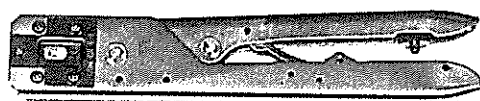
## Tools

| Contact diameter | Type                                                        | Item                            | HRS No.    | Part No.     | Applicable terminal        | Applicable wire |
|------------------|-------------------------------------------------------------|---------------------------------|------------|--------------|----------------------------|-----------------|
| φ 1              | Manual                                                      | Manual crimping tool            | 150-0006-1 | RM-TC-11     | JRC-PC2-112<br>JRC-SC2-112 | AWG# 20～# 24    |
|                  |                                                             |                                 | 150-0007-4 | RM-TC-12     | JRC-PC2-122<br>JRC-SC2-122 | AWG# 24～# 28    |
|                  | Automatic                                                   | Automatic crimping machine body | 901-0005-4 | CM-105       | —                          | —               |
|                  |                                                             | Applicator                      | —          | AP105-JRC2-1 | JRC-PC2-212<br>JRC-SC2-212 | AWG# 20～# 24    |
|                  |                                                             |                                 | —          | AP105-JRC2-2 | JRC-PC2-222<br>JRC-SC2-222 | AWG# 24～# 28    |
|                  |                                                             | Extractor                       |            | 150-0008-7   | RM-TP                      | —               |
| φ 1.6            | Manual                                                      | Manual crimping tool            | 150-0033-4 | JRC-TC-11    | JRC-PC-112<br>JRC-SC-112   | AWG# 16         |
|                  |                                                             |                                 | 150-0034-7 | JRC-TC-12    | JRC-PC-112<br>JRC-SC-112   | AWG# 18～# 20    |
|                  | Automatic                                                   | Automatic crimping machine body | 901-0005-4 | CM-105       | —                          | —               |
|                  |                                                             | Applicator                      | —          | AP105-JRC-1  | JRC-PC-212                 | AWG# 16～# 20    |
|                  | Extractor                                                   |                                 | 150-0035-0 | JRC-TP       | —                          | —               |
|                  | Hexagon bar wrench<br>(opposing side-to-side distance 1.27) |                                 |            | 150-0066-3   | PB205/1.27                 | —               |



Automatic crimping Machine CM-105

### Hand Tool Crimp



For Contact Diameter φ 1.0 mm



For Contact Diameter φ 1.6 mm

### Extraction Tool



For Contact Diameter φ 1.0 mm



For Contact Diameter φ 1.6 mm

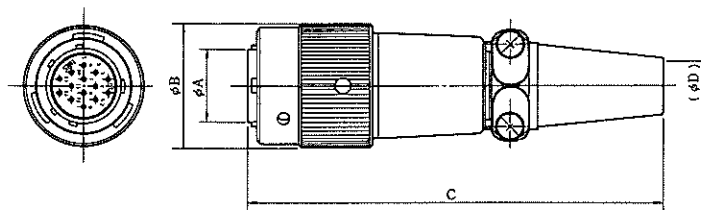
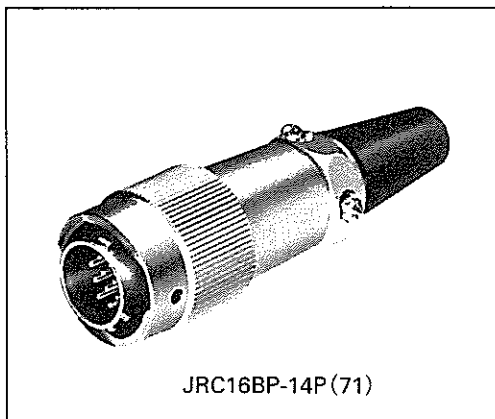
### Hexagon Wrench Driver (1.27)



(PB 205/1.27)

| HRS No.    | Part No.   |
|------------|------------|
| 150-0066-3 | PB205-1.27 |

## Bayonet Lock Type Plug (Solder Type)



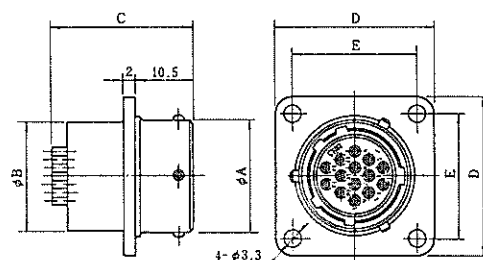
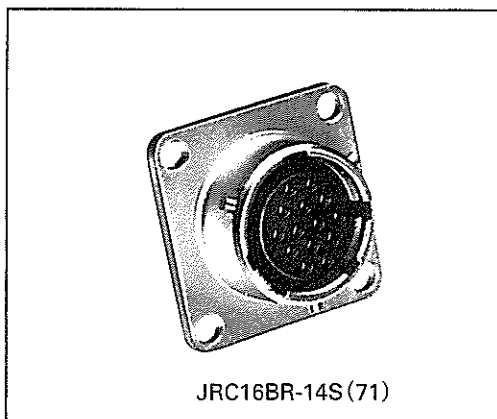
(An example in shape)

| HRS No.       | Part No.          | No. of pins | φA   | φB | C  | φD   | RoHS No. |
|---------------|-------------------|-------------|------|----|----|------|----------|
| 114-0253-7-71 | JRC16BP-7P (71)   | 7           | 16.3 | 27 | 91 | 11.2 | ○        |
| 114-0252-4-71 | JRC16BP-10P (71)  | 10          | 16.3 | 27 | 91 | 11.2 |          |
| 114-0251-1-71 | JRC16BP-14P (71)  | 14          | 16.3 | 27 | 91 | 11.2 |          |
| 114-0268-4-71 | JRC21BPA-26P (71) | 26          | 20.5 | 31 | 98 | 12.2 |          |

| HRS No.       | Part No.         | No. of pins | φA   | φB | C  | φD   | RoHS No. |
|---------------|------------------|-------------|------|----|----|------|----------|
| 114-0256-5-71 | JRC16BP-7S (71)  | 7           | 16.3 | 27 | 91 | 11.2 | ○        |
| 114-0255-2-71 | JRC16BP-10S (71) | 10          | 16.3 | 27 | 91 | 11.2 |          |
| 114-0254-0-71 | JRC16BP-14S (71) | 14          | 16.3 | 27 | 91 | 11.2 |          |
| 114-0267-1-71 | JRC21BP-26S (71) | 26          | 20.3 | 31 | 98 | 12.2 |          |

Remark: Fasten a screw by means of torque wrench at 3.5~4.5kg-cm.

## Bayonet Lock Type Receptacle

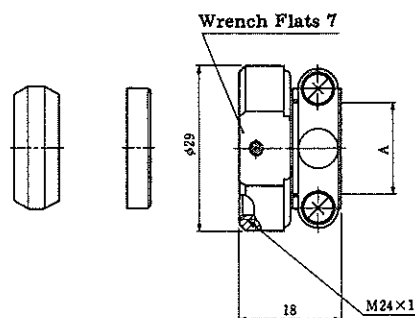


(An example in shape)

| HRS No.       | Part No.         | No. of pins | φA   | φB   | C    | D  | E  | RoHS No. |
|---------------|------------------|-------------|------|------|------|----|----|----------|
| 114-0259-3-71 | JRC16BR-7P (71)  | 7           | 20.5 | 19.9 | 26.5 | 29 | 23 | ○        |
| 114-0258-0-71 | JRC16BR-10P (71) | 10          | 20.5 | 19.9 | 26.5 | 29 | 23 |          |
| 114-0257-8-71 | JRC16BR-14P (71) | 14          | 20.5 | 19.9 | 26.6 | 29 | 23 |          |
| 114-0269-7-71 | JRC21BR-26P (71) | 26          | 25.8 | 23.9 | 26.8 | 32 | 26 |          |

| HRS No.       | Part No.         | No. of pins | φA   | φB   | C    | D  | E  | RoHS No. |
|---------------|------------------|-------------|------|------|------|----|----|----------|
| 114-0262-8-71 | JRC16BR-7S (71)  | 7           | 20.5 | 19.9 | 27.7 | 29 | 23 | ○        |
| 114-0261-5-71 | JRC16BR-10S (71) | 10          | 20.5 | 19.9 | 26.5 | 29 | 23 |          |
| 114-0260-2-71 | JRC16BR-14S (71) | 14          | 20.5 | 19.9 | 25.8 | 29 | 23 |          |
| 114-0270-6    | JRC21BRA-26S     | 26          | 25.8 | 23.9 | 28   | 32 | 26 |          |

## Cable Clamp (Waterproof type)

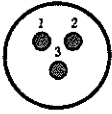
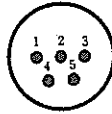


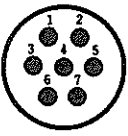
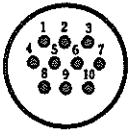
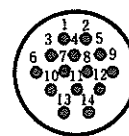
Remark: The clamp locking screw should be tightened with a torque of 0.3 to 0.4 N-m (3.5 to 4.5 kg-cm).

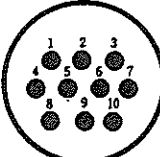
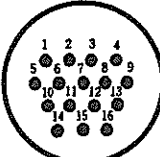
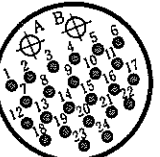
| HRS No.    | Part No.      | A  | HRS No.    | Part No.      | A  |
|------------|---------------|----|------------|---------------|----|
| 114-1046-8 | JRC25WPG-CP8  | 8  | 114-1048-3 | JRC25WPG-CP12 | 12 |
| 114-1047-0 | JRC25WPG-CP10 | 10 | 114-1049-6 | JRC25WPG-CP14 | 14 |
|            |               |    | 114-1050-5 | JRC25WPG-CP16 | 16 |

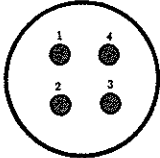
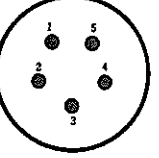
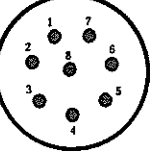
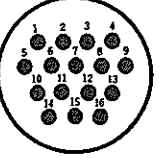
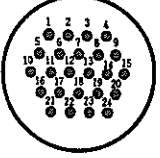
- Note 1) JR Waterproof type is modified from current JR series. Electrical specifications are same as current JR series.
- 2) Sealing capability: Submersible at 1.8 m depth for 48 hours. Watertight coupling (Cable clamp) between the plug and the cable is dependent upon how the outer jacket of the cables fits in the sealing bushing. It is required, therefore, to select the most suitable cable clamp that meets the cable diameter when ordering connectors. Refer to A above for cable diameter.

## JR Series Contact Arrangement

| Shell size            |                                                                                   |                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>13</b>             |  |  |
| No. of pins           | 3                                                                                 | 5                                                                                   |
| Withstanding voltage  | AC1000V a minute                                                                  | AC1000V a minute                                                                    |
| Current rating        | 10A                                                                               | 5A                                                                                  |
| Insulation resistance | 1000MΩ MIN.                                                                       | 1000MΩ MIN.                                                                         |
| Contact resistance    | 5mΩ MAX.                                                                          | 5mΩ MAX.                                                                            |
| Solder cup dia.       | 1.7φ                                                                              | 1.1φ                                                                                |

| Shell size            |                                                                                   |                                                                                    |                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>16</b>             |  |  |  |
| No. of pins           | 7                                                                                 | 10                                                                                 | 14                                                                                  |
| Withstanding voltage  | AC1000V a minute                                                                  | AC1000V a minute                                                                   | AC1000V a minute                                                                    |
| Current rating        | 10A                                                                               | 5A                                                                                 | 5A                                                                                  |
| Insulation resistance | 1000MΩ MIN.                                                                       | 1000MΩ MIN.                                                                        | 1000MΩ MIN.                                                                         |
| Contact resistance    | 5mΩ MAX.                                                                          | 5mΩ MAX.                                                                           | 5mΩ MAX.                                                                            |
| Solder cup dia.       | 1.7φ                                                                              | 1.1φ                                                                               | 1.1φ                                                                                |

| Shell size            |                                                                                     |                                                                                      |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>21</b>             |  |  |  |
| No. of pins           | 10                                                                                  | 16                                                                                   | 26                                                                                    |
| Withstanding voltage  | AC1000V a minute                                                                    | AC1000V a minute                                                                     | AC 1000V a minute                                                                     |
| Current rating        | 10A                                                                                 | 5A (CRIMP 3A)                                                                        | 5A   10A (only A, B)                                                                  |
| Insulation resistance | 1000MΩ MIN.                                                                         | 1000MΩ MIN.                                                                          | 1000MΩ MIN.                                                                           |
| Contact resistance    | 5mΩ MAX.                                                                            | 5mΩ MAX. (CRIMP 10mΩ)                                                                | 5mΩ MAX.                                                                              |
| Solder cup dia.       | 1.7φ                                                                                | 1.1φ                                                                                 | 1.1φ   1.7φ (only A, B)                                                               |

| Shell size            |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>25</b>             |  |  |  |  |  |
| No. of pins           | 4                                                                                   | 5                                                                                   | 8                                                                                    | 16                                                                                    | 24                                                                                    |
| Withstanding voltage  | AC3000V a minute                                                                    | AC3000V a minute                                                                    | AC3000V a minute                                                                     | AC1000V a minute                                                                      | AC1000V a minute                                                                      |
| Current rating        | 30A                                                                                 | 10A                                                                                 | 10A                                                                                  | 10A                                                                                   | 5A (CRIMP 3A)                                                                         |
| Insulation resistance | 10,000MΩ MIN.                                                                       | 10,000MΩ MIN.                                                                       | 10,000MΩ MIN.                                                                        | 1000MΩ MIN.                                                                           | 1000MΩ MIN.                                                                           |
| Contact resistance    | 5mΩ MAX.                                                                            | 5mΩ MAX.                                                                            | 5mΩ MAX.                                                                             | 5mΩ MAX.                                                                              | 5mΩ MAX. (CRIMP 10mΩ)                                                                 |
| Solder cup dia.       | 3.4φ                                                                                | 1.7φ                                                                                | 1.7φ                                                                                 | 1.7φ                                                                                  | 1.1φ                                                                                  |

Remarks: 1. View direction: Mating surface of pin insert.  
2. The withstand voltage is the test value.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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