

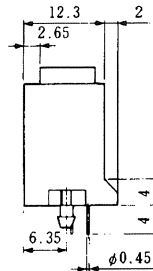
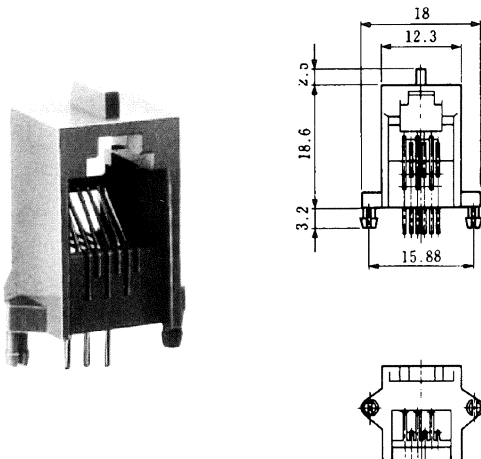
# MODULAR CONNECTORS

CL 222 TM

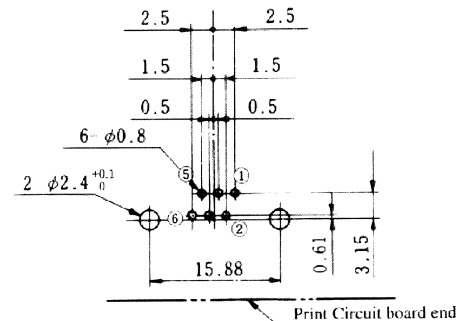
## Right Angle Dip Type

### ●TM5RC-\*\*(50)

| CL No.        | Part No.      | RoHS |
|---------------|---------------|------|
| 222-0270-9-50 | TM5RC-44 (50) | YES  |
| 222-0338-0-50 | TM5RC-64 (50) |      |
| 222-0337-8-50 | TM5RC-66 (50) |      |



PCB mounting hole layout  
(Connector mounting side)

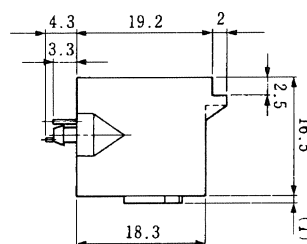
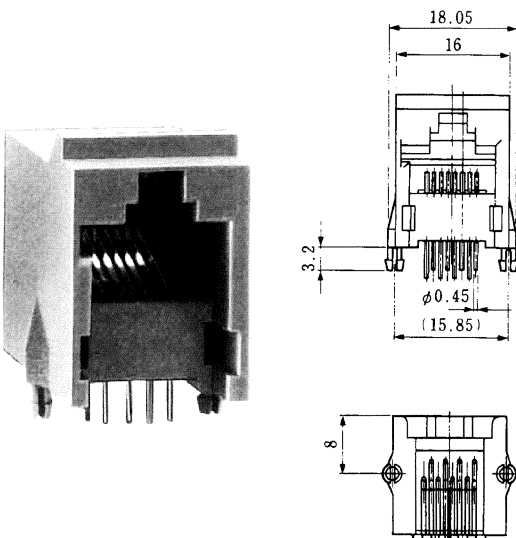


Note 1: Standard finish color is gray.

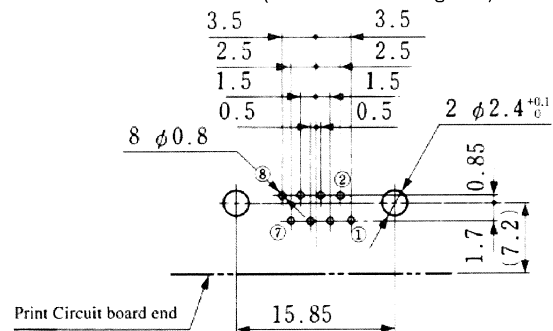
Note 2: The drawing is shown sample of TM5RC-66(50).

### ●TM5RC-88(50)

| CL No.        | Part No.      | RoHS |
|---------------|---------------|------|
| 222-0339-3-50 | TM5RC-88 (50) | YES  |



PCB mounting hole layout  
(Connector mounting side)



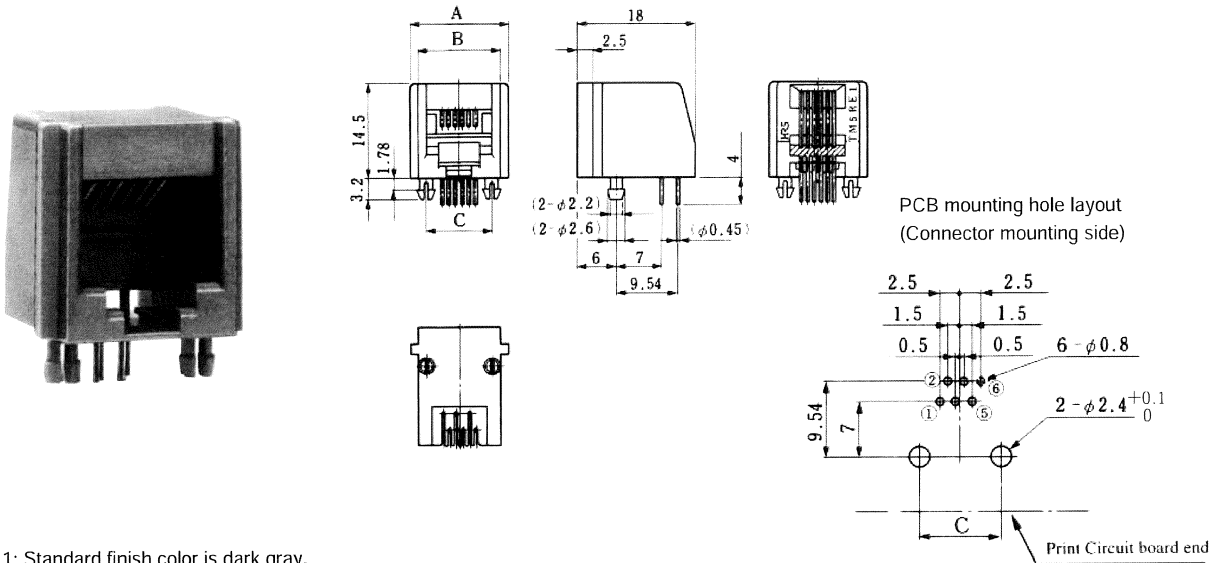
Note : Standard finish color is warm gray.

# MODULAR CONNECTORS

CL 222 TM

## ●TM5RE1- \*\* (20)

| CL No.        | Part No.       | A  | B    | C  | RoHS |
|---------------|----------------|----|------|----|------|
| 222-0538-0-20 | TM5RE1-44 (20) | 13 | 10.4 | 8  | YES  |
| 222-0539-2-20 | TM5RE1-62 (20) | 15 | 12.4 | 10 |      |
| 222-0540-1-20 | TM5RE1-64 (20) | 15 | 12.4 | 10 |      |
| 222-0541-4-20 | TM5RE1-66 (20) | 15 | 12.4 | 10 |      |

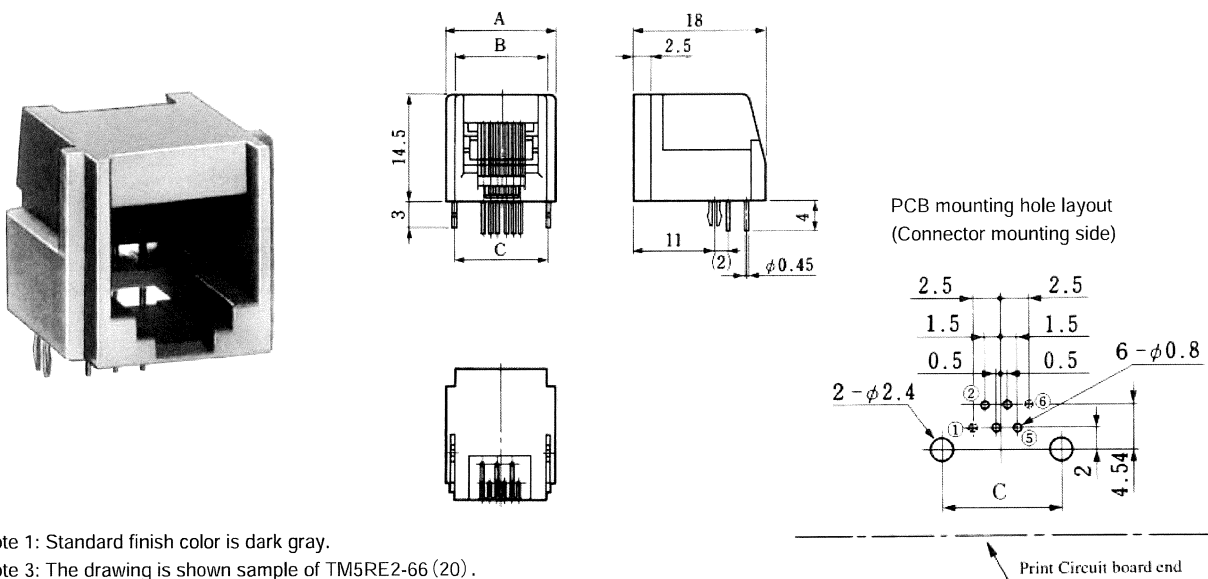


Note 1: Standard finish color is dark gray.

Note 2: The drawing is shown sample of TM5RE1-66 (20).

## ●TM5RE2- \*\* (20)

| CL No.        | Part No.       | A  | B    | C    | RoHS |
|---------------|----------------|----|------|------|------|
| 222-1222-1-20 | TM5RE2-44 (20) | 13 | 10.4 | 10.8 | YES  |
| 222-1224-7-20 | TM5RE2-62 (20) | 15 | 12.4 | 12.8 |      |
| 222-1223-4-20 | TM5RE2-64 (20) | 15 | 12.4 | 12.8 |      |
| 222-1225-0-20 | TM5RE2-66 (20) | 15 | 12.4 | 12.8 |      |



Note 1: Standard finish color is dark gray.

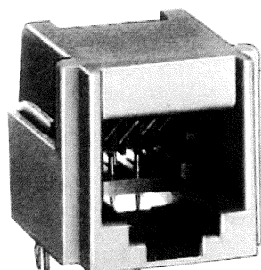
Note 3: The drawing is shown sample of TM5RE2-66 (20).

# MODULAR CONNECTORS

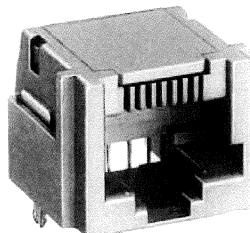
CL 222 TM

## ●TM5RE3-\*(20)

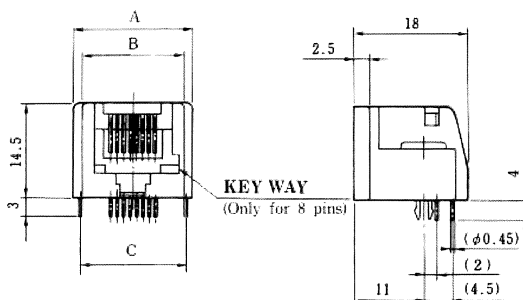
| CL No.        | Part No.       | A    | B    | C    | RoHS |
|---------------|----------------|------|------|------|------|
| 222-1406-4-20 | TM5RE3-44 (20) | 13   | 10.4 | 10.8 | YES  |
| 222-1407-7-20 | TM5RE3-62 (20) | 15   | 12.4 | 12.8 |      |
| 222-1427-4-20 | TM5RE3-64 (20) | 15   | 12.4 | 12.8 |      |
| 222-1428-7-20 | TM5RE3-66 (20) | 15   | 12.4 | 12.8 |      |
| 222-1702-7-20 | TM5RE3-88 (20) | 18.6 | 16   | 16.4 |      |



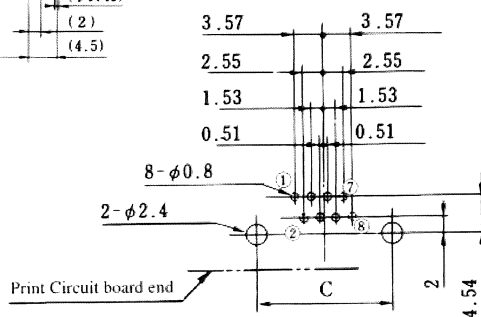
TM5RE3-66 (20)



TM5RE3-88 (20)



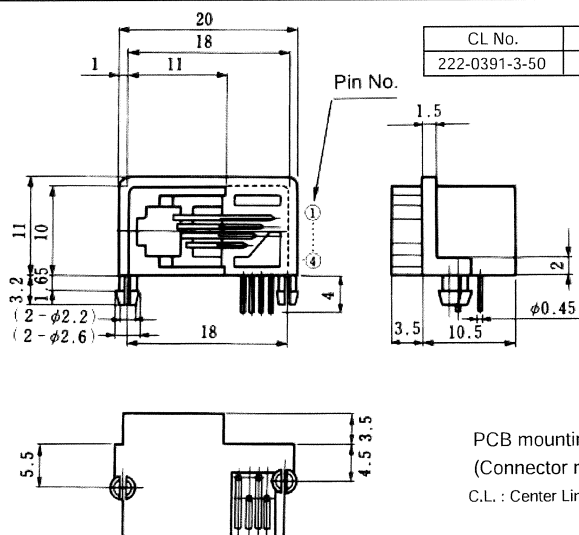
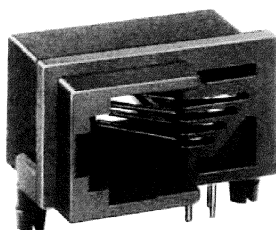
PCB mounting hole layout  
(Connector mounting side)



Note 1: Standard finish color is dark gray.

Note 2: The drawing is shown sample of TM5RE3-88 (20).

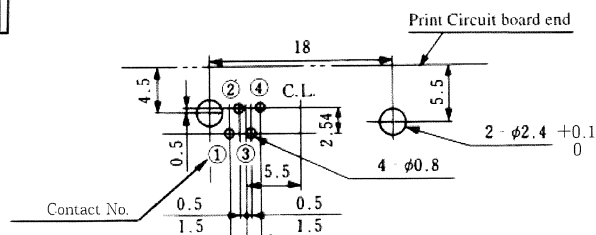
## ●TM5RF-44 (50)



| CL No.        | Part No.      | RoHS |
|---------------|---------------|------|
| 222-0391-3-50 | TM5RF-44 (50) | YES  |

PCB mounting hole layout  
(Connector mounting side)

C.L. : Center Line



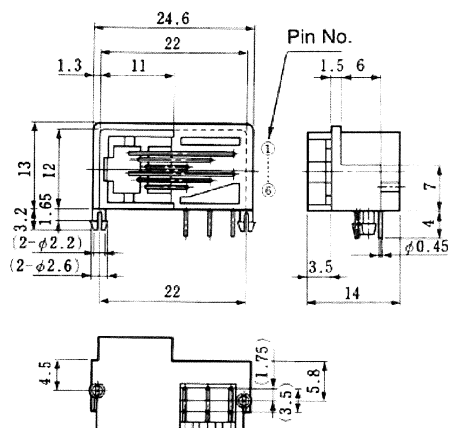
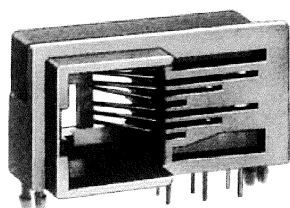
Note 1: Standard finish color is gray.

Note 2: Backboard size is shown the connector mounting side of PCB.

# MODULAR CONNECTORS

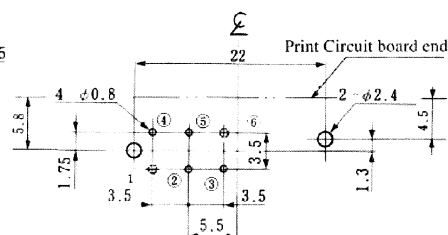
CL 222 TM

## ●TM5RF-6 \*(50)



| CL No.        | Part No.      | RoHS |
|---------------|---------------|------|
| 222-1452-1-50 | TM5RF-64 (50) | YES  |
| 222-1411-4-50 | TM5RF-66 (50) |      |

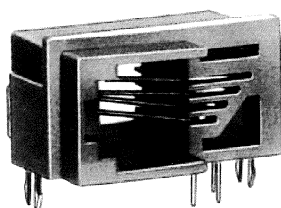
PCB mounting hole layout  
(Connector mounting side)



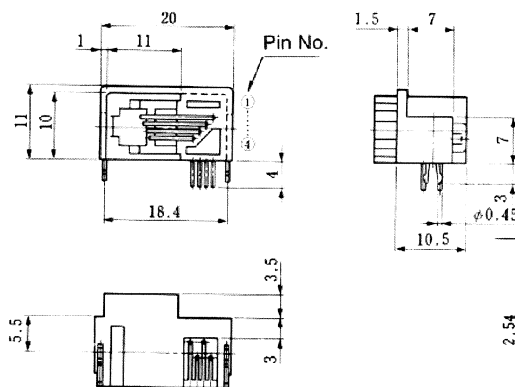
Note 1: Standard finish color is dark gray.

Note 2: The drawing is shown sample of TM5RF-66(50).

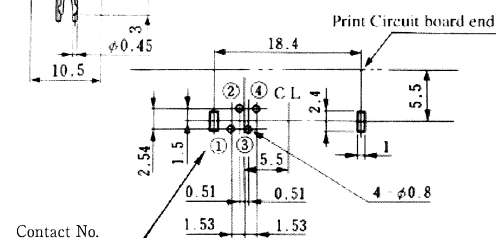
## ●TM5RF-1-44 (50)



| CL No.        | Part No.       | RoHS |
|---------------|----------------|------|
| 222-1242-9-50 | TM5RF1-44 (50) | YES  |

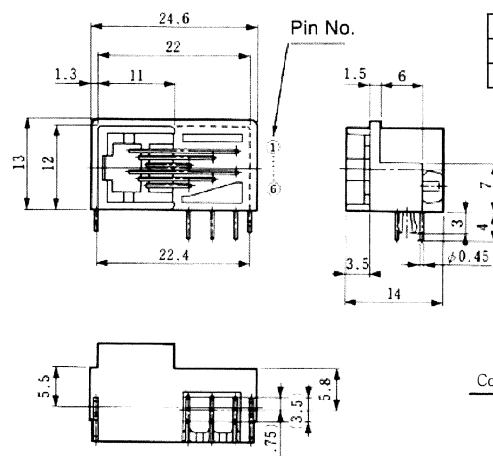
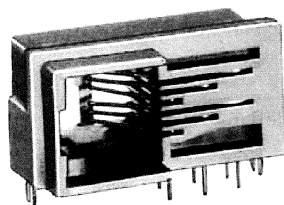


PCB mounting hole layout  
(Connector mounting side)



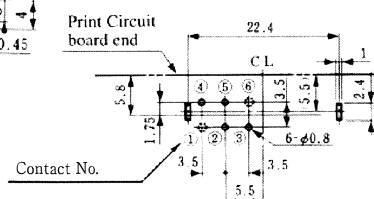
Note 1: Standard finish color is dark gray.

## ●TM5RF-1-6 \*(50)



| CL No.        | Part No.       | RoHS |
|---------------|----------------|------|
| 222-1533-1-50 | TM5RF1-64 (50) | YES  |
| 222-1534-4-50 | TM5RF1-66 (50) |      |

PCB mounting hole layout  
(Connector mounting side)



Note 1: Standard finish color is dark gray.

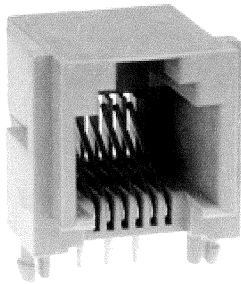
Note 2: The drawing is shown sample of TM5RF1-66(50).

# MODULAR CONNECTORS

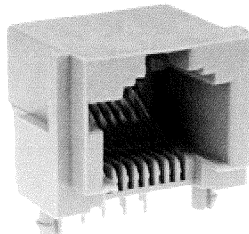
CL 222 TM

## ●TM5RJ2- \*(50)

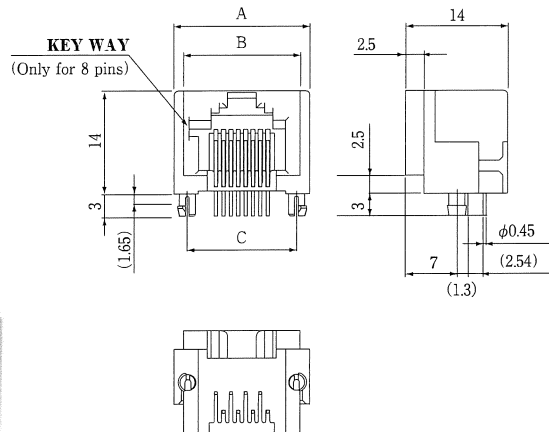
| CL No.        | Part No.       | A    | B    | C  | RoHS |
|---------------|----------------|------|------|----|------|
| 222-1459-0-50 | TM5RJ2-44 (50) | 12.8 | 10.2 | 10 | YES  |
| 222-1486-3-50 | TM5RJ2-62 (50) | 14.8 | 12.2 | 12 |      |
| 222-1460-0-50 | TM5RJ2-64 (50) | 14.8 | 12.2 | 12 |      |
| 222-1461-2-50 | TM5RJ2-66 (50) | 14.8 | 12.2 | 12 |      |
| 222-1462-5-50 | TM5RJ2-88 (50) | 18.6 | 16   | 15 |      |



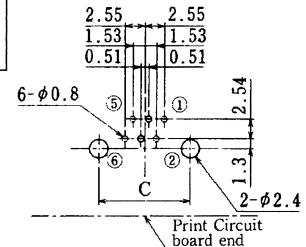
TM5RJ2-66(50)



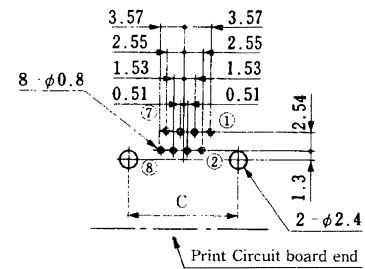
TM5RJ2-88(50)



PCB mounting hole layout  
(Connector mounting side)



TM5RJ2-44,6\*



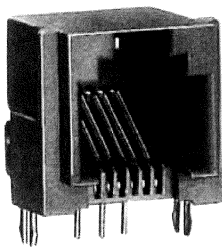
TM5RJ2-88(50)

Note 1: Standard finish color is gray.

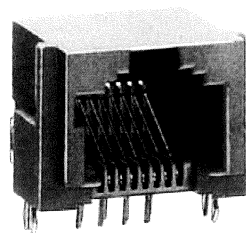
Note 2: The drawing is shown sample of TM5RJ2-88(50).

## ●TM5RJ3- \*(50)

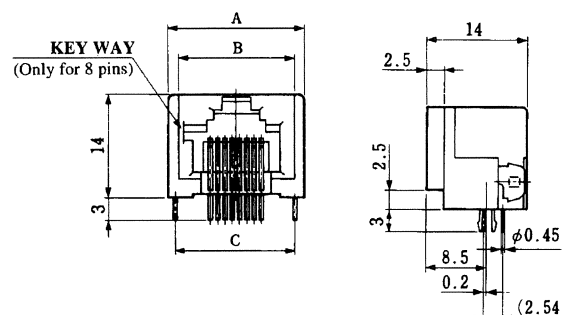
| CL No.        | Part No.       | A    | B    | C     | RoHS |
|---------------|----------------|------|------|-------|------|
| 222-1363-3-50 | TM5RJ3-44 (50) | 12.8 | 10.2 | 10.76 | YES  |
| 222-1487-6-50 | TM5RJ3-62 (50) | 14.8 | 12.2 | 12.8  |      |
| 222-1463-8-50 | TM5RJ3-64 (50) | 14.8 | 12.2 | 12.8  |      |
| 222-1464-0-50 | TM5RJ3-66 (50) | 14.8 | 12.2 | 12.8  |      |
| 222-1465-3-50 | TM5RJ3-88 (50) | 18.6 | 16   | 16.6  |      |



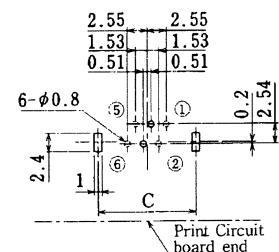
TM5RJ3-66(50)



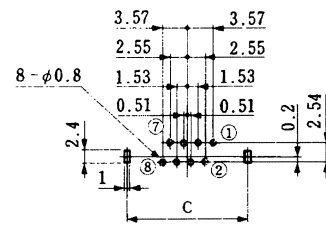
TM5RJ3-88(50)



PCB mounting hole layout  
(Connector mounting side)



TM5RJ3-44, 6\*



TM5RJ3-88(50)

Note 1: Standard finish color is gray.

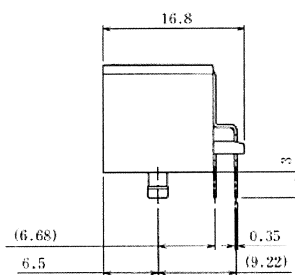
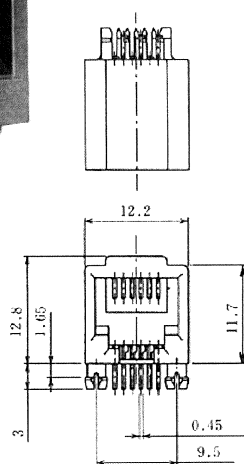
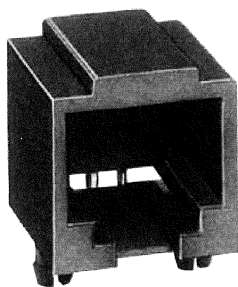
Note 2: The drawing is shown sample of TM5RJ3-88(50).

# MODULAR CONNECTORS

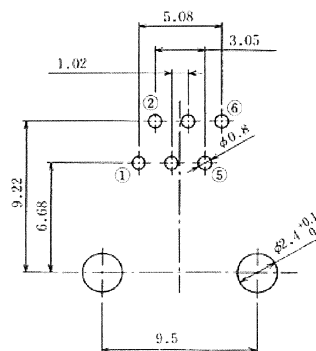
CL 222 TM

●TM5RU-6 \*(50)

| CL No.        | Part No.      | RoHS |
|---------------|---------------|------|
| 222-2639-8-50 | TM5RU-62 (50) | YES  |
| 222-2638-5-50 | TM5RU-64 (50) |      |
| 222-2630-3-50 | TM5RU-66 (50) |      |



PCB mounting hole layout  
(Connector mounting side)



Note 1: Standard finish color is black.

Note 2: The drawing is shown sample of TM5RU-66(50).

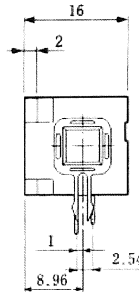
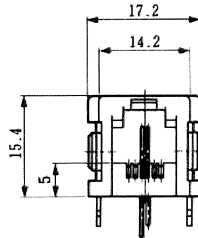
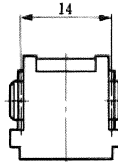
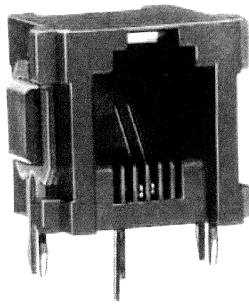
# MODULAR CONNECTORS

CL 222 TM

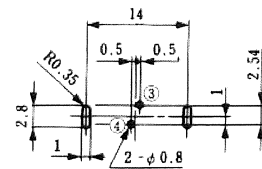
## Gang-Jacks Right Angle Dip Type

### ●TM2REA-06 \*\* (50)

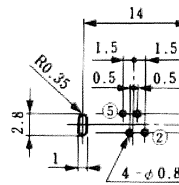
| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-1277-3-50 | TM2REA-0602 (50) | YES  |
| 222-1466-6-50 | TM2REA-0604 (50) |      |
| 222-1467-9-50 | TM2REA-0606 (50) |      |



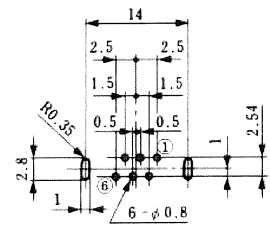
PCB mounting hole layout  
(Connector mounting side)



TM2REA-0602 (50)



TM2REA-0604 (50)



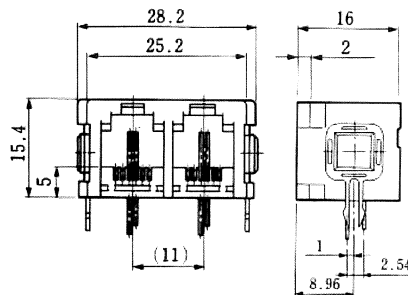
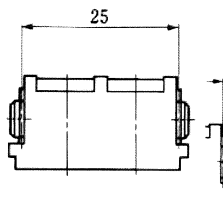
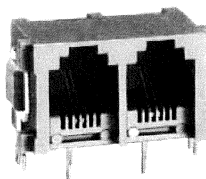
TM2REA-0606 (50)

Note 1: Standard finish color is gray.

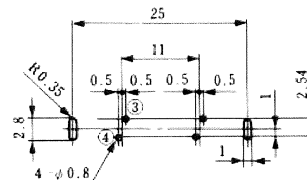
Note 2: The drawing is shown sample of TM2REA-0602 (50).

### ●TM2REA-12 \*\* (50)

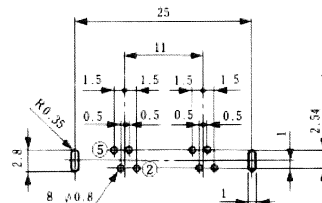
| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-0802-6-50 | TM2REA-1204 (50) | YES  |
| 222-0799-3-50 | TM2REA-1208 (50) |      |
| 222-0681-3-50 | TM2REA-1212 (50) |      |



PCB mounting hole layout  
(Connector mounting side)

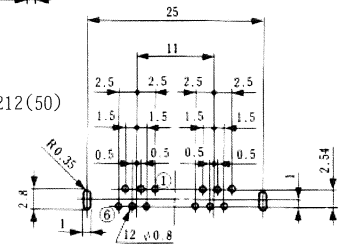


TM2REA-1204 (50)



TM2REA-1208 (50)

TM2REA-1212 (50)



Note 1: Standard finish color is gray.

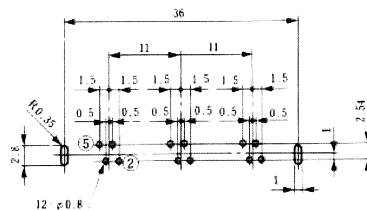
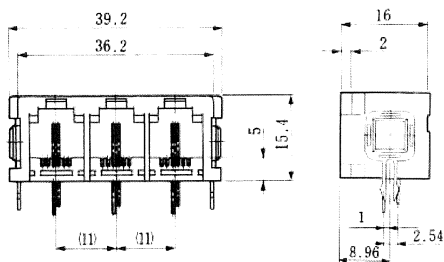
Note 2: The drawing is shown sample of TM2REA-1204 (50).

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](http://www.hirose-connectors.com), or contact your Hirose sales representative.

## CL 222 TM

| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-0801-3-50 | TM2REA-1806 (50) | YES  |
| 222-0798-0-50 | TM2REA-1812 (50) |      |
| 222-0737-6-50 | TM2REA-1818 (50) |      |

Technical drawing of a shaft with dimensions and labels. The shaft has a total length of 36. It features a central section with a diameter of  $\phi 8$  and a length of 11. The shaft is supported by bearings, with a bearing housing diameter of  $\phi 35$  and a bearing inner diameter of  $\phi 8$ . The shaft has a fillet radius of  $R0.35$  at the transition between the central section and the bearing housing. The shaft is labeled with '3' and '4' at the ends of the central section. The shaft is supported by bearings, with a bearing housing diameter of  $\phi 35$  and a bearing inner diameter of  $\phi 8$ . The shaft has a fillet radius of  $R0.35$  at the transition between the central section and the bearing housing. The shaft is labeled with '3' and '4' at the ends of the central section.

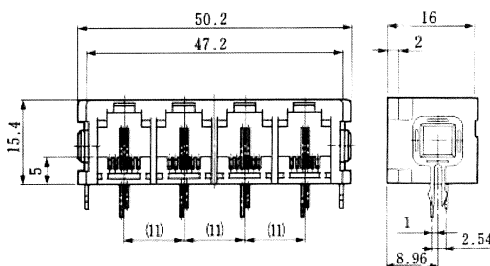


Note 1: Standard finish color is gray.

Note 2: The drawing is shown sample of TM2REA-1806 (50).

TM2REA-1818(50)

| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-0800-0-50 | TM2REA-2408 (50) | YES  |
| 222-0749-5-50 | TM2REA-2416 (50) |      |
| 222-0750-4-50 | TM2REA-2424 (50) |      |



Technical drawing of a shaft assembly. The shaft has a total length of 47 units. It features a gear with 16 teeth and a module of 1.5, and a pulley with a diameter of 100 units. The shaft is supported by bearings. The drawing includes dimensions for the gear, pulley, and shaft segments.

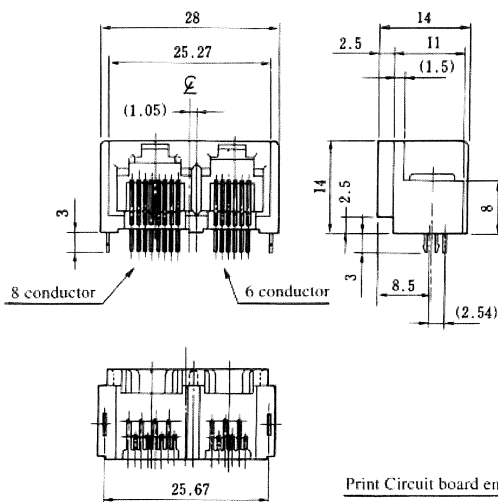
TM2REA-2424(50)

Note 1: Standard finish color is gray.

Note 2: The drawing is shown sample of TM2REA-2416 (50).

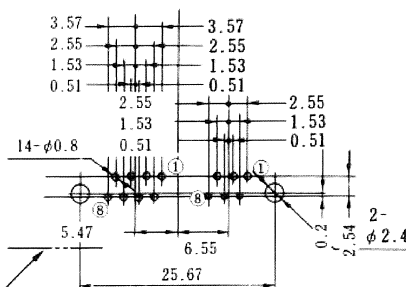
All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at [www.hirose-connectors.com](http://www.hirose-connectors.com), or contact your Hirose sales representative.

## CL 222 TM

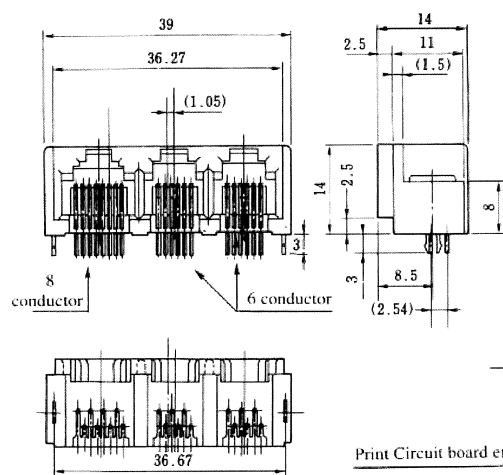


|               |                 |      |
|---------------|-----------------|------|
| CL No.        | Part No.        | RoHS |
| 222-1504-3-50 | TM5RQ-1414 (50) | YES  |

PCB mounting hole layout  
(Connector mounting side)

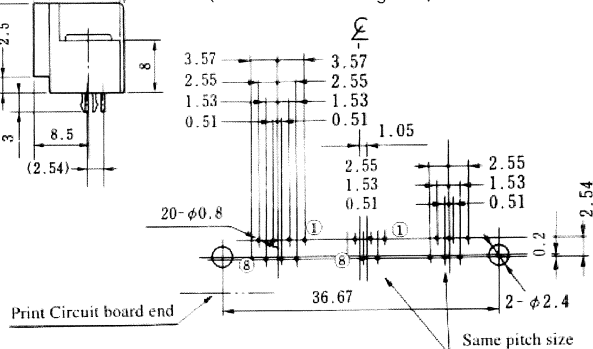


Note : Standard finish color is gray.

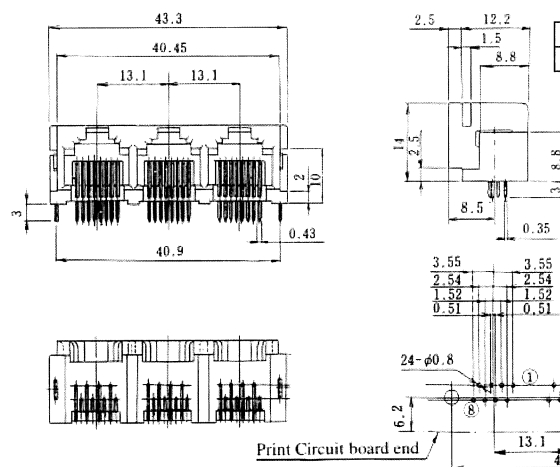


|               |                 |      |
|---------------|-----------------|------|
| CL No.        | Part No.        | RoHS |
| 222-1645-5-50 | TM5RQ-2020 (50) | YES  |

PCB mounting hole layout  
(Connector mounting side)



Note : Standard finish color is gray.



|               |                  |      |
|---------------|------------------|------|
| CL No.        | Part No.         | RoHS |
| 222-3264-2-50 | TM5RSA-2424 (50) | YES  |

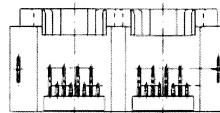
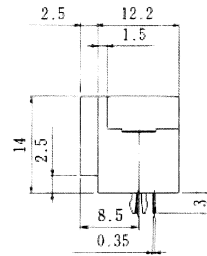
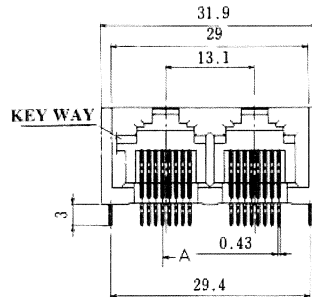
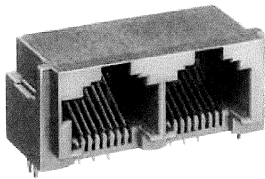
PCB mounting hole layout (Connector mounting side)

Note : Standard finish color is gray.

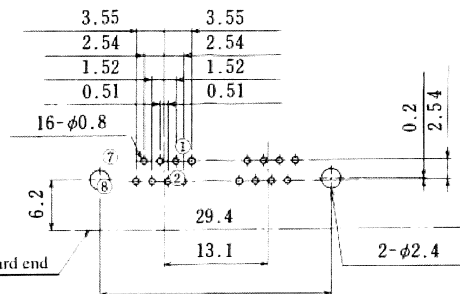
# MODULAR CONNECTORS

CL 222 TM

## ●TM5RSB-1616 (50)



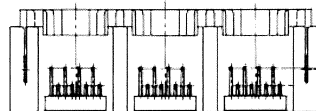
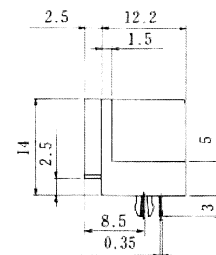
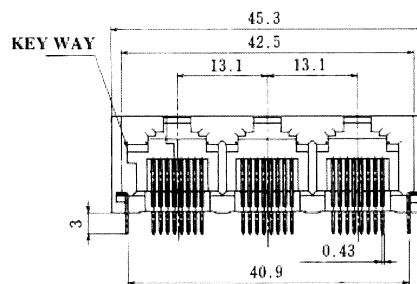
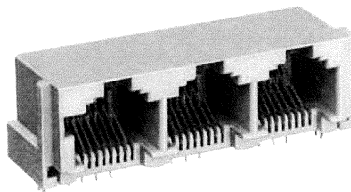
PCB mounting hole layout  
(Connector mounting side)



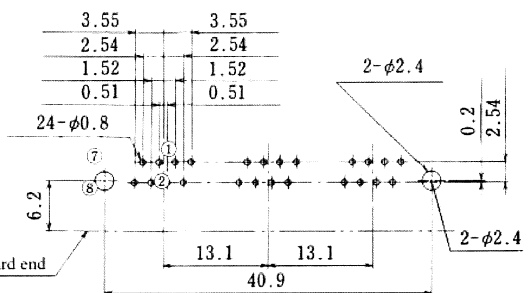
| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-3712-1-50 | TM5RSB-1616 (50) | YES  |

Note : Standard finish color is gray.

## ●TM5RSB-2424 (50)



PCB mounting hole layout  
(Connector mounting side)



| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-3423-4-50 | TM5RSB-2424 (50) | YES  |

Note : Standard finish color is gray.

## EIGHT-CONDUCTOR LOW PROFILE JACKS

### ●GENERAL

The TM5RL Series are small 8-contact modular connectors designed to be 11.7 mm in height and 23% smaller in volume than our former models to meet the demand for smaller and thinner electronic equipment.

### ●FEATURES

- (1) 11.7 mm in height above PCB surface (shielded jacks: 11.9 mm)
- (2) 23% smaller in volume than our former models
- (3) Space-saving: 14 mm (14.6 mm) in width and 17 mm (7.6 mm) in depth. ( ): shielded jacks
- (4) EMI-protected ferrite and shielded jacks available.
- (5) Ferrite and shielded jacks use the same connector body as standard jacks, requiring no change in the PCB for redesigning.  
(When you plan to redesign a standard PCB to a shielded PCB, select the shielding pattern in advance).
- (6) A quadruple jack is equal to or smaller in size than four TM5RL-88 jacks combined.
- (7) Plugs and jack connectors comply with the ISO 8877 Standard (ISDN interface connector).

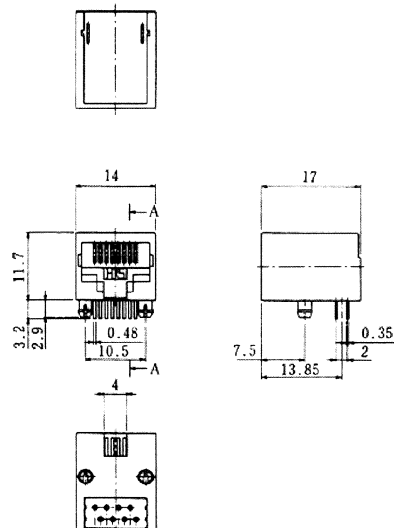
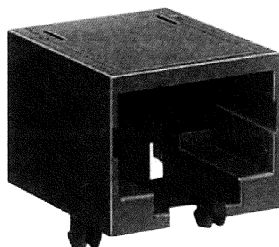
### ●APPLICATIONS

LAN boards, HUB, ISDN terminals, and personal computers.

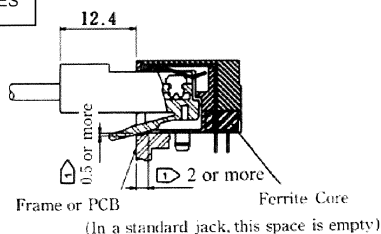
### ●RIGHT-ANGLE DIP TYPE

#### ●TM5RL \*-88(50)

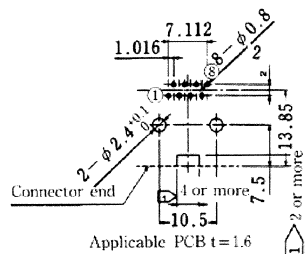
| CL No.        | Part No.      | Type              | RoHS |
|---------------|---------------|-------------------|------|
| 222-2665-8-50 | TM5RL-88 (50) | Standard          | YES  |
| 222-2666-0-50 | TM5RL-88 (50) | With ferrite core |      |



View of mating plug  
A-A



Reference mounting dimensions  
(PCB component side)



Note : When preparing frames or PCBs, follow the above  $\square$  dimensions.

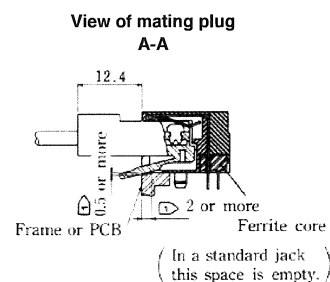
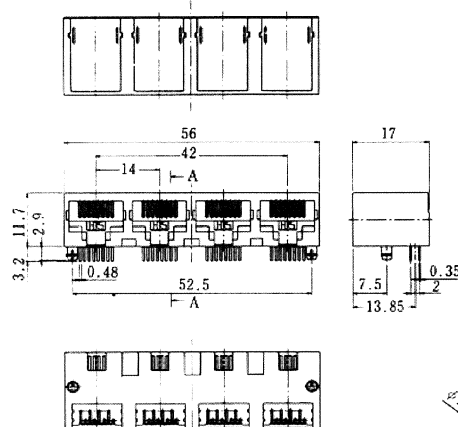
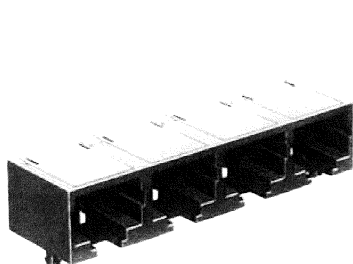
# MODULAR CONNECTORS

CL 222 TM

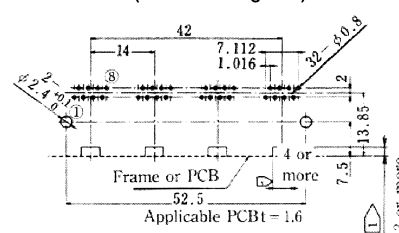
## Quadruplet right-angle dip

### ●TM5RL \*-3232(50)

| CL No.        | Part No.         | Type              | RoHS |
|---------------|------------------|-------------------|------|
| 222-2671-0-50 | TM5RL-3232 (50)  | Standard          | YES  |
| 222-2711-3-50 | TM5RLF-3232 (50) | With ferrite core |      |



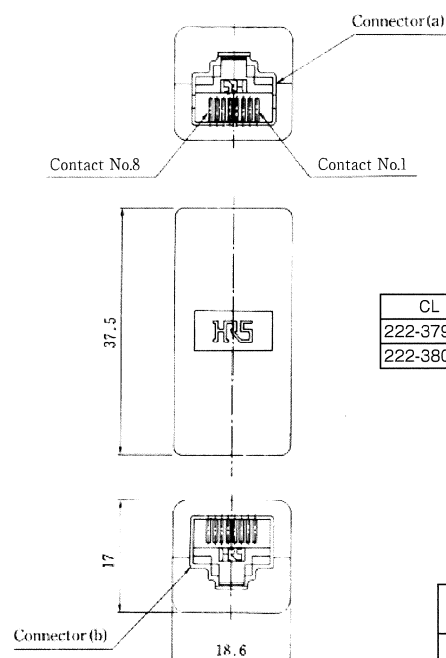
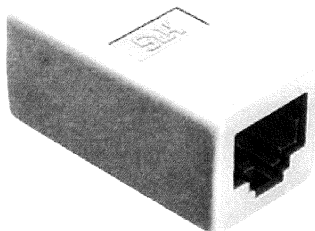
**Mounting dimensions for reference  
(PCB mounting side)**



Note : When preparing frames or PCBs, provide the above  for the connector.

## Eight-conductor extension adapter

### ●TM5RL \*-88-JJ(50)



| CL No.        | Part No.          | Type              | RoHS |
|---------------|-------------------|-------------------|------|
| 222-3798-7-50 | TM5RL-88-JJ (50)  | Standard          | YES  |
| 222-3805-0-50 | TM5RLF-88-JJ (50) | With ferrite core |      |

**Terminal numbers**

|                                       |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|
| Connector(a) terminal No.<br>TM5RL-88 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Connector(b) terminal No.<br>TM5RL-88 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |