

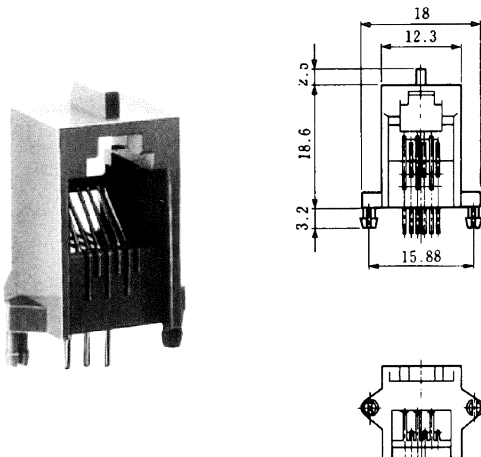
# MODULAR CONNECTORS

CL 222 TM

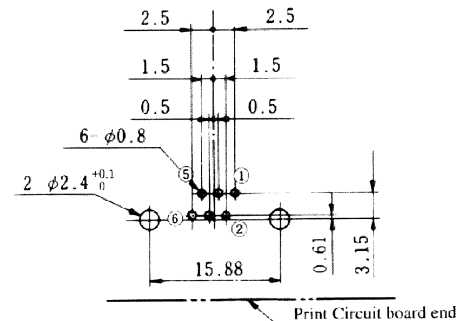
## Right Angle Dip Type

### ●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)

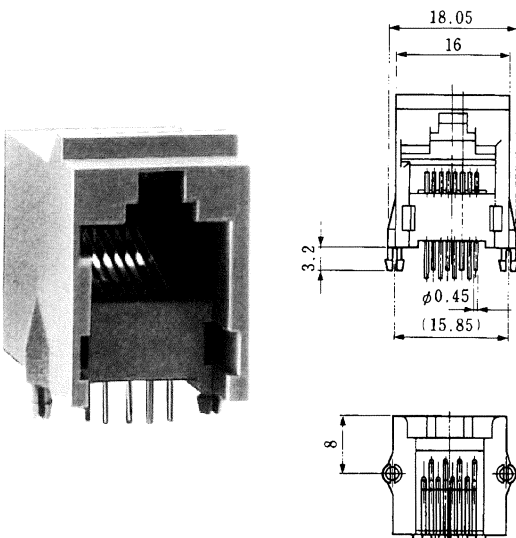


Note 1: Standard finish color is gray.

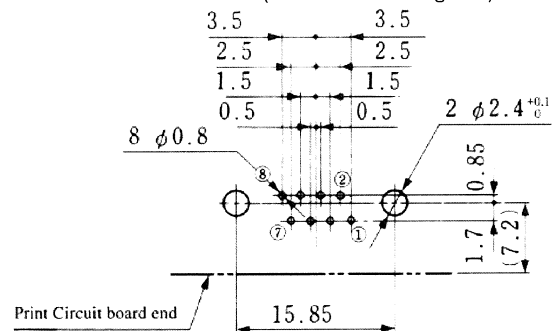
Note 2: The drawing is shown sample of TM5RC-66(50).

### ●TM5RC-88(50)

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



PCB mounting hole layout  
(Connector mounting side)



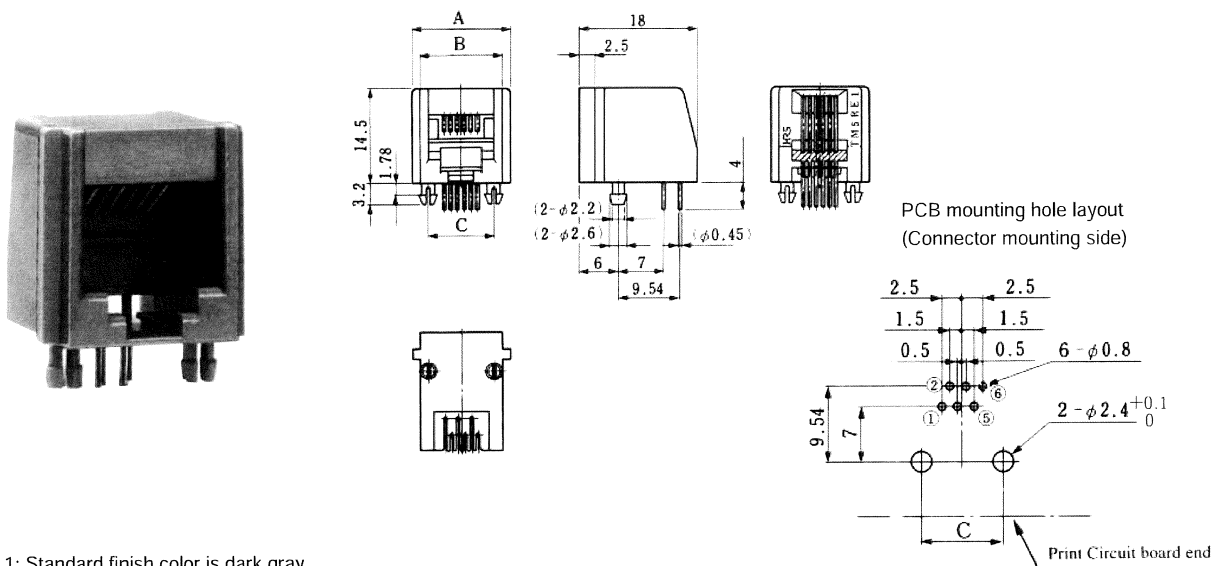
Note : Standard finish color is warm gray.

# 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 |      |

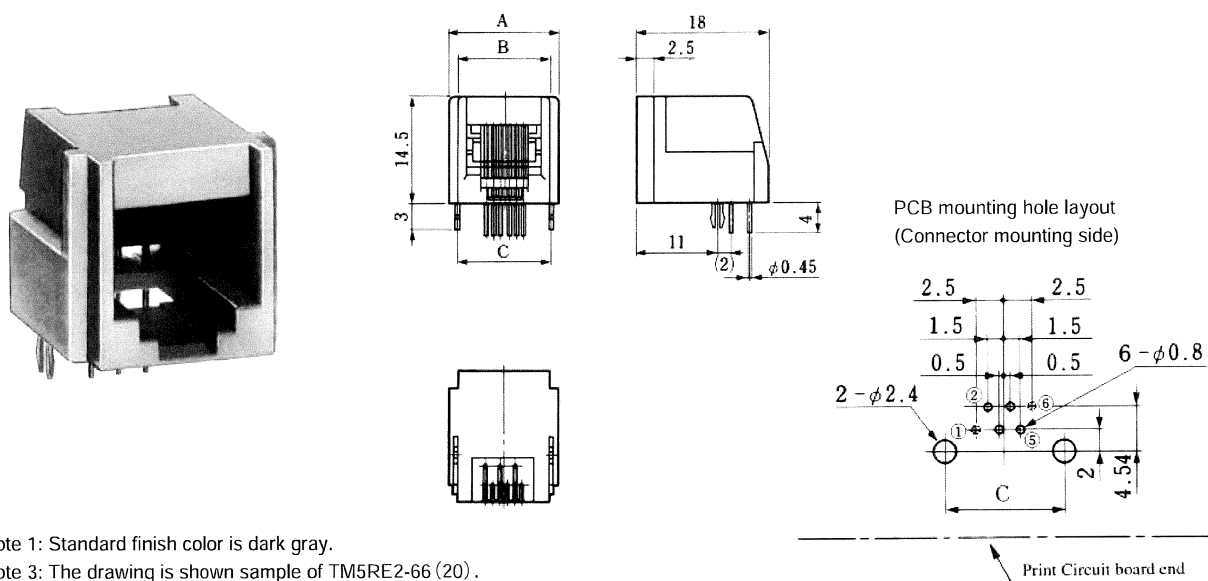


Note 1: Standard finish color is dark gray.

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.

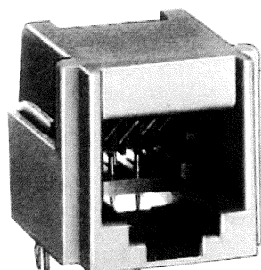
Note 3: The drawing is shown sample of TM5RE2-66 (20).

# MODULAR CONNECTORS

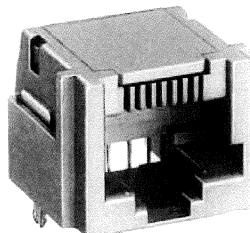
CL 222 TM

## ●TM5RE3-\*(20)

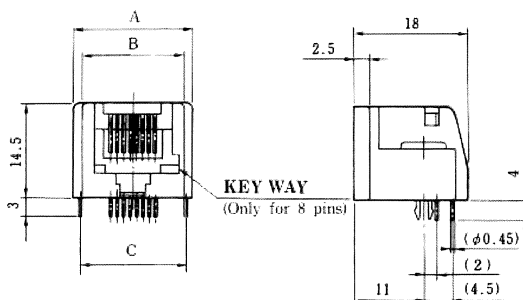
| CL No.        | Part No.       | A    | B    | C    | RoHS |
|---------------|----------------|------|------|------|------|
| 222-1406-4-20 | TM5RE3-44 (20) | 13   | 10.4 | 10.8 | YES  |
| 222-1407-7-20 | TM5RE3-62 (20) | 15   | 12.4 | 12.8 |      |
| 222-1427-4-20 | TM5RE3-64 (20) | 15   | 12.4 |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



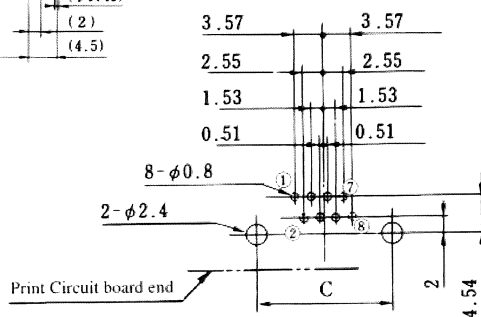
TM5RE3-66 (20)



TM5RE3-88 (20)



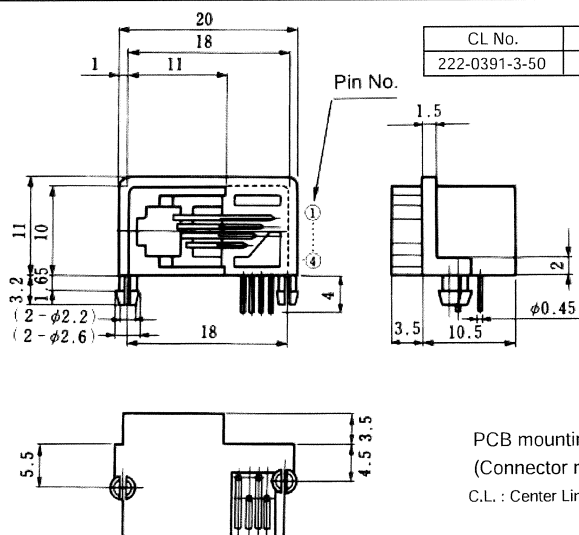
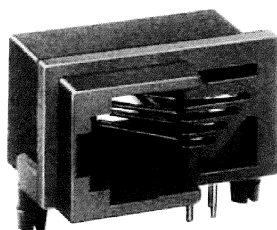
PCB mounting hole layout  
(Connector mounting side)



Note 1: Standard finish color is dark gray.

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

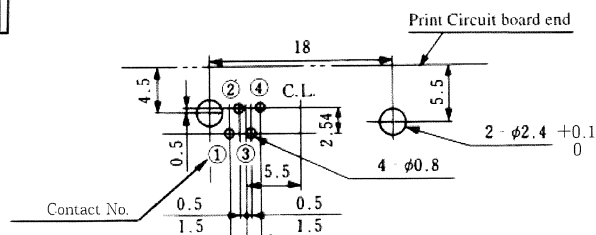
## ●TM5RF-44 (50)



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

PCB mounting hole layout  
(Connector mounting side)

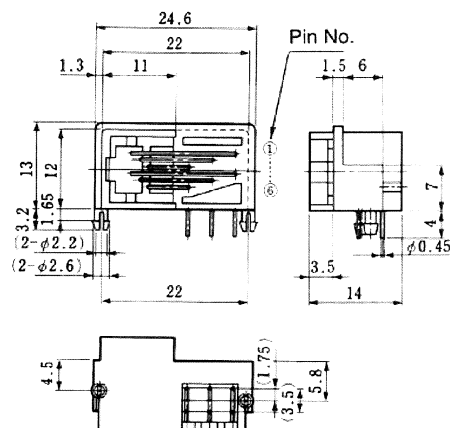
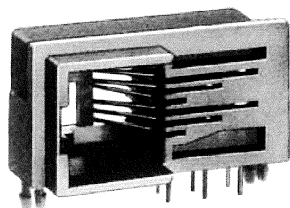
C.L. : Center Line



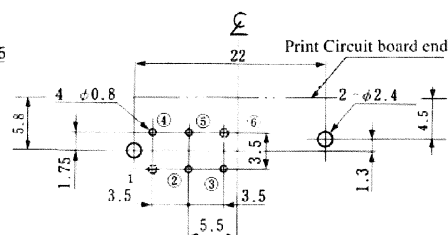
Note 1: Standard finish color is gray.

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

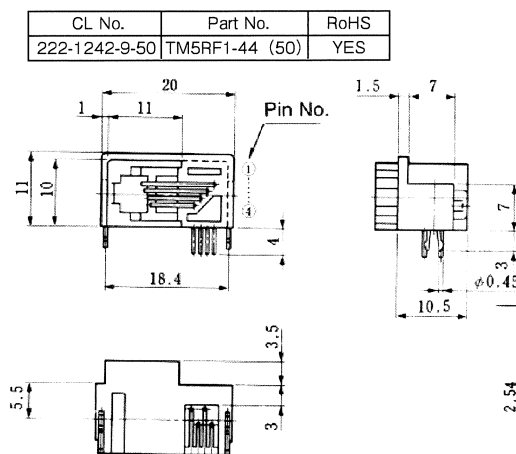
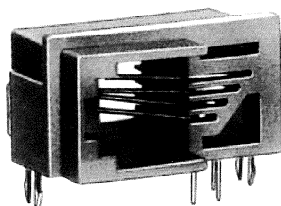
## CL 222 TM



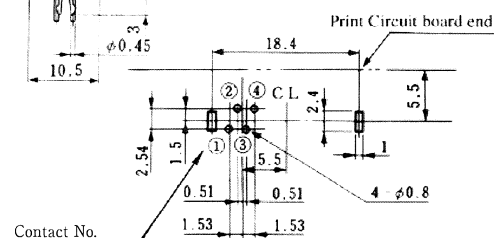
|               |               |      |
|---------------|---------------|------|
| CL No.        | Part No.      | RoHS |
| 222-1452-1-50 | TM5RF-64 (50) | YES  |
| 222-1411-4-50 | TM5RF-66 (50) |      |



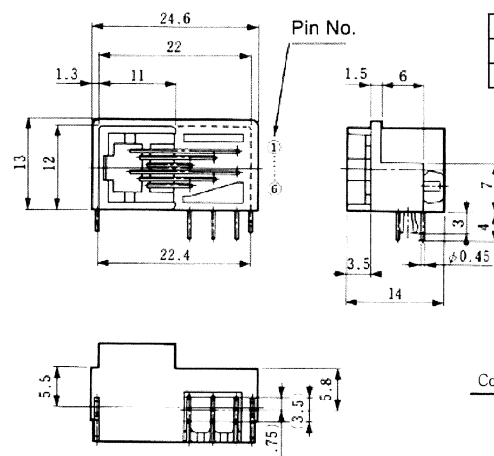
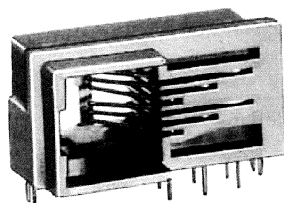
Note 2: The drawing is shown sample of TM5RF-66(50).



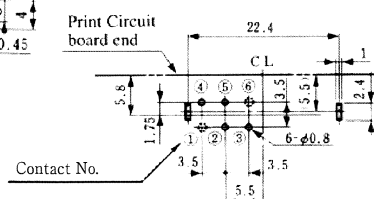
|               |                |      |
|---------------|----------------|------|
| CL No.        | Part No.       | RoHS |
| 222-1242-9-50 | TM5RF1-44 (50) | YES  |



Note 1: Standard finish color is dark gray.



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



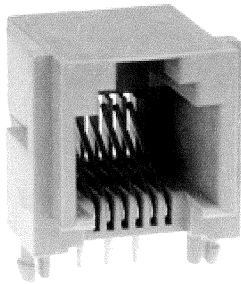
Note 2: The drawing is shown sample of TM5RF1-66(50).

# MODULAR CONNECTORS

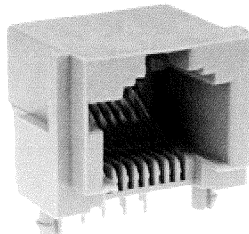
CL 222 TM

## ●TM5RJ2- \*(50)

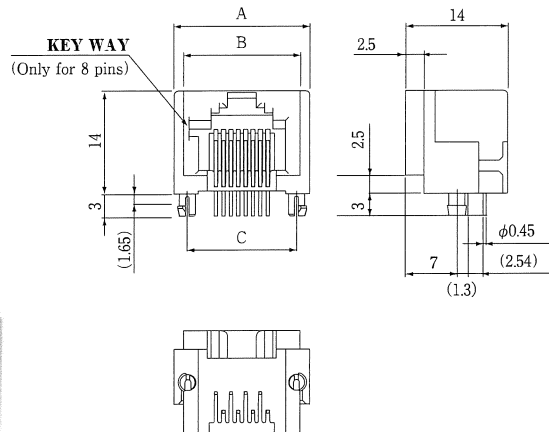
| CL No.        | Part No.       | A    | B    | C  | RoHS |
|---------------|----------------|------|------|----|------|
| 222-1459-0-50 | TM5RJ2-44 (50) | 12.8 | 10.2 | 10 | YES  |
| 222-1486-3-50 | TM5RJ2-62 (50) | 14.8 | 12.2 | 12 |      |
| 222-1460-0-50 | TM5RJ2-64 (50) | 14.8 | 12.2 | 12 |   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



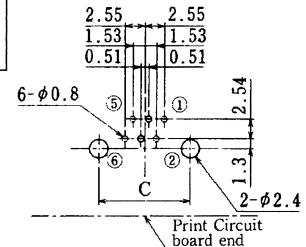
TM5RJ2-66(50)



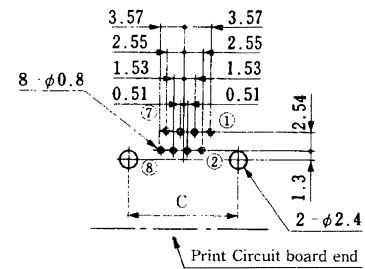
TM5RJ2-88(50)



PCB mounting hole layout  
(Connector mounting side)



TM5RJ2-44,6\*



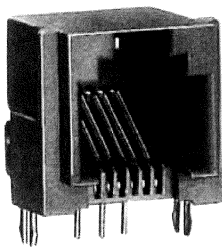
TM5RJ2-88(50)

Note 1: Standard finish color is gray.

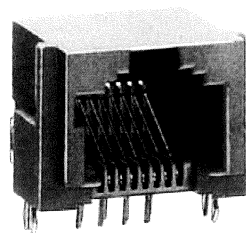
Note 2: The drawing is shown sample of TM5RJ2-88(50).

## ●TM5RJ3- \*(50)

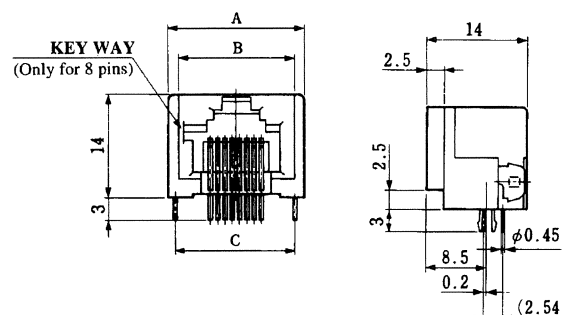
| CL No.        | Part No.       | A    | B    | C     | RoHS |
|---------------|----------------|------|------|-------|------|
| 222-1363-3-50 | TM5RJ3-44 (50) | 12.8 | 10.2 | 10.76 | YES  |
| 222-1487-6-50 | TM5RJ3-62 (50) | 14.8 | 12.2 | 12.8  |      |
| 222-1463-8-50 | TM5RJ3-64 (50) | 14.8 | 12.2 | 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  |      |



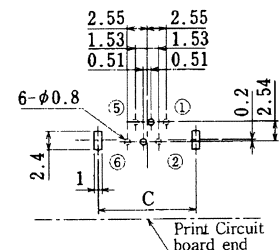
TM5RJ3-66(50)



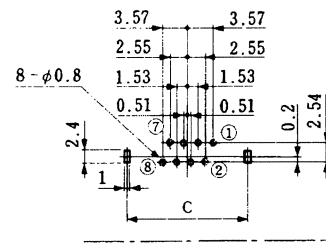
TM5RJ3-88(50)



PCB mounting hole layout  
(Connector mounting side)



TM5RJ3-44, 6\*



TM5RJ3-88(50)

Note 1: Standard finish color is gray.

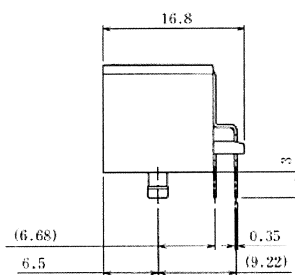
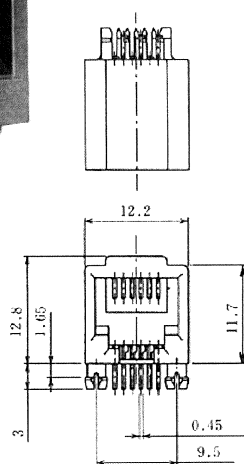
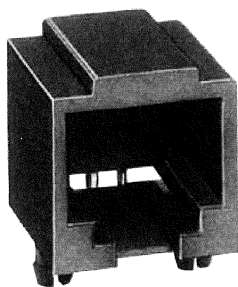
Note 2: The drawing is shown sample of TM5RJ3-88(50).

# MODULAR CONNECTORS

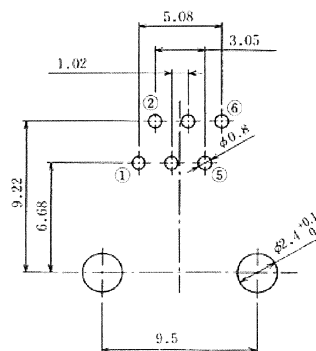
CL 222 TM

●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).

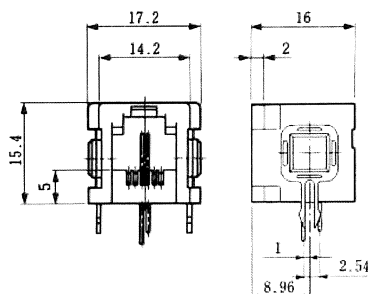
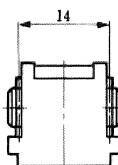
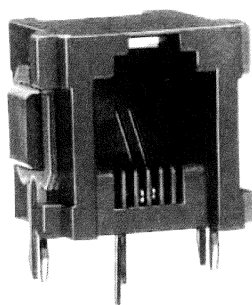
# MODULAR CONNECTORS

CL 222 TM

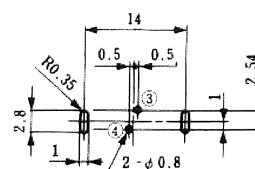
## Gang-Jacks Right Angle Dip Type

### ●TM2REA-06 \*\* (50)

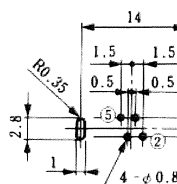
| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-1277-3-50 | TM2REA-0602 (50) | YES  |
| 222-1466-6-50 | TM2REA-0604 (50) |      |
| 222-1467-9-50 | TM2REA-0606 (50) |      |



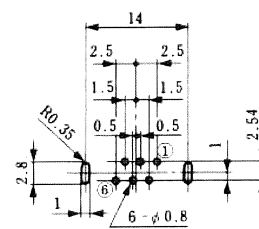
PCB mounting hole layout  
(Connector mounting side)



TM2REA-0602 (50)



TM2REA-0604 (50)



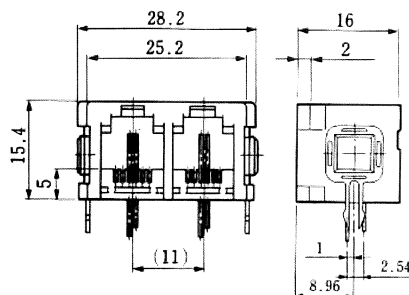
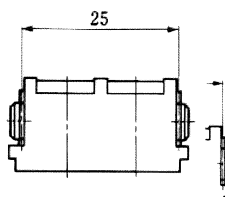
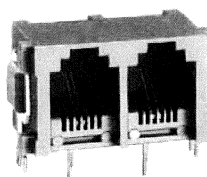
TM2REA-0606 (50)

Note 1: Standard finish color is gray.

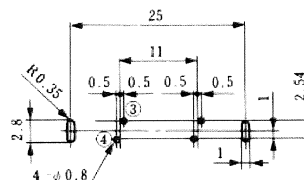
Note 2: The drawing is shown sample of TM2REA-0602 (50).

### ●TM2REA-12 \*\* (50)

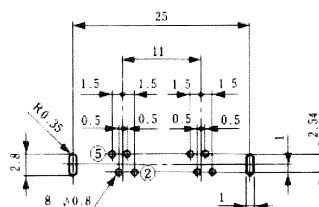
| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-0802-6-50 | TM2REA-1204 (50) | YES  |
| 222-0799-3-50 | TM2REA-1208 (50) |      |
| 222-0681-3-50 | TM2REA-1212 (50) |      |



PCB mounting hole layout  
(Connector mounting side)

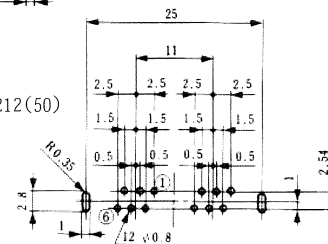


TM2REA-1204 (50)



TM2REA-1208 (50)

TM2REA-1212 (50)



Note 1: Standard finish color is gray.

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

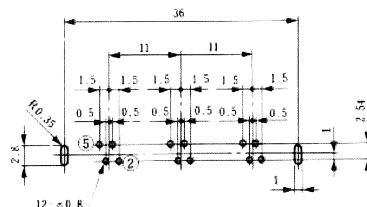
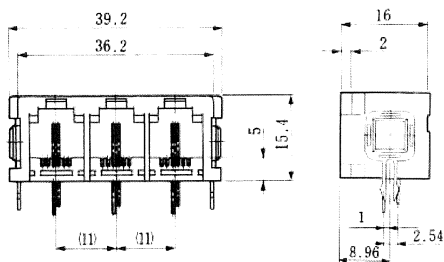
All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at [www.hirose-connectors.com](http://www.hirose-connectors.com), or contact your Hirose sales representative.

## 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) |      |

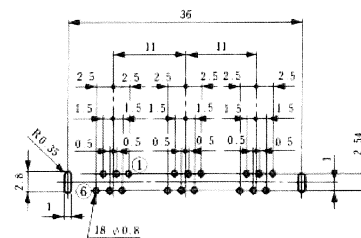
Technical drawing of a shaft with the following dimensions and features:

- Total length: 36
- Section 3: Diameter  $\phi 3$ , length 11
- Section 4: Diameter  $\phi 4$ , length 11
- End section: Diameter  $\phi 6$ , length 1
- End feature: Fillet with radius  $R0.35$
- End dimension: 2.8
- End diameter:  $\phi 0.8$
- End thread:  $M2.54$

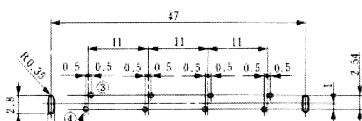
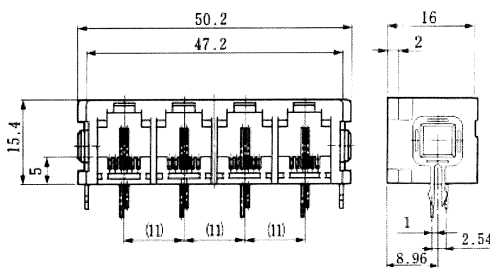


Note 1: Standard finish color is gray.

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

[illegible]

TM2REA-2424(50)

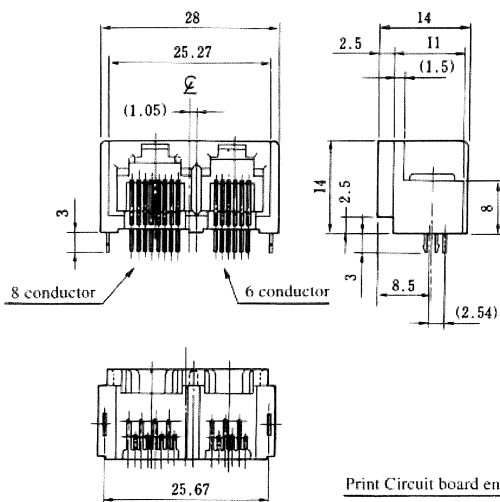
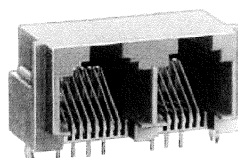
Note 1: Standard finish color is gray.

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

# MODULAR CONNECTORS

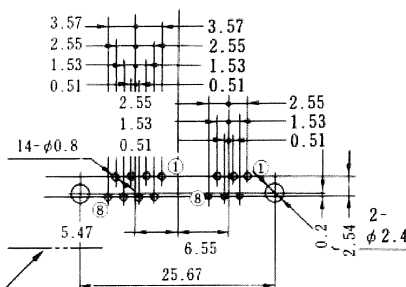
CL 222 TM

## ●TM5RQ-1414 (50)



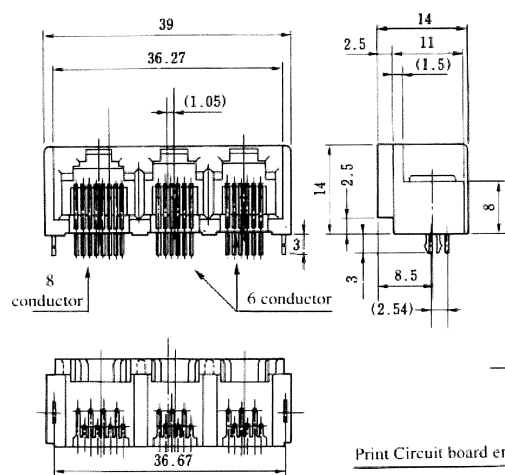
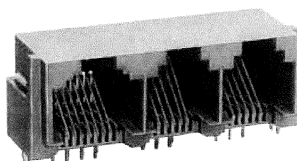
| CL No.        | Part No.        | RoHS |
|---------------|-----------------|------|
| 222-1504-3-50 | TM5RQ-1414 (50) | YES  |

PCB mounting hole layout  
(Connector mounting side)



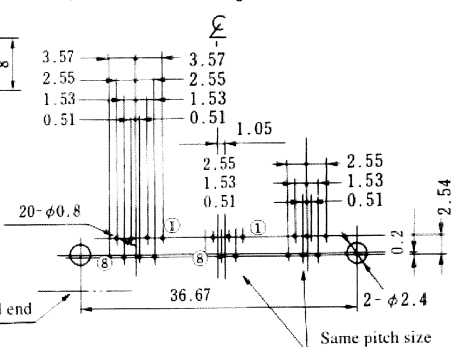
Note : Standard finish color is gray.

## ●TM5RQ-2020 (50)



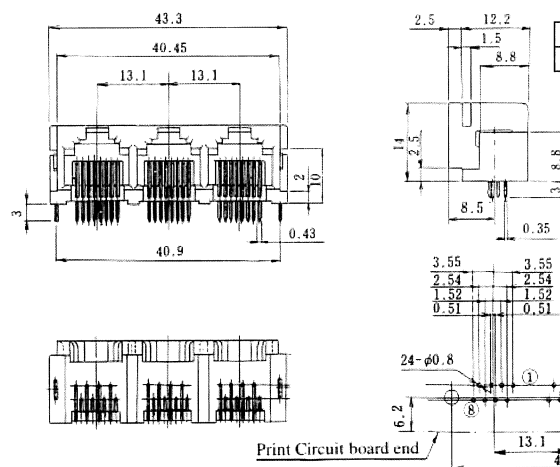
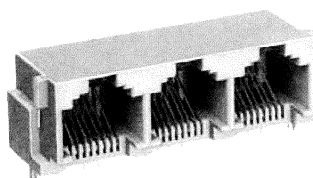
| CL No.        | Part No.        | RoHS |
|---------------|-----------------|------|
| 222-1645-5-50 | TM5RQ-2020 (50) | YES  |

PCB mounting hole layout  
(Connector mounting side)



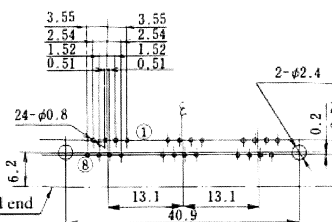
Note : Standard finish color is gray.

## ●TM5RSA-2424 (50)



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

PCB mounting hole layout (Connector mounting side)

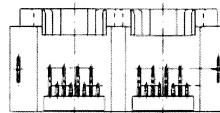
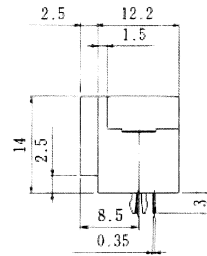
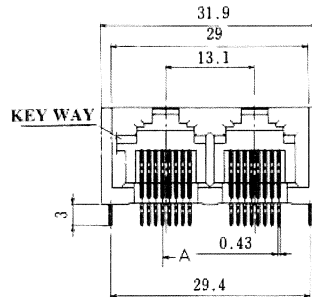
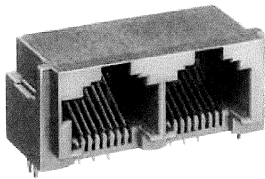


Note : Standard finish color is gray.

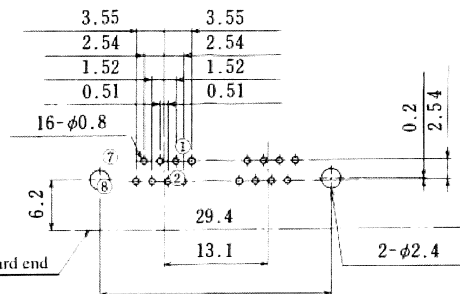
# MODULAR CONNECTORS

CL 222 TM

## ●TM5RSB-1616 (50)



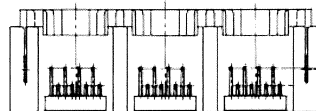
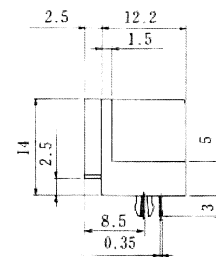
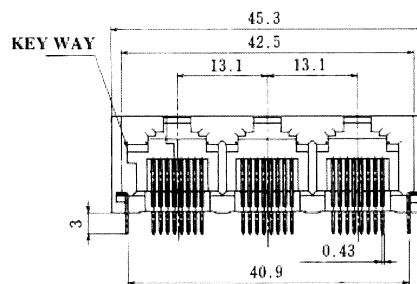
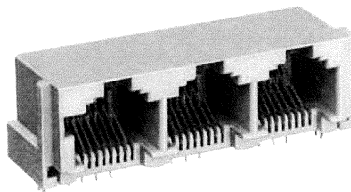
PCB mounting hole layout  
(Connector mounting side)



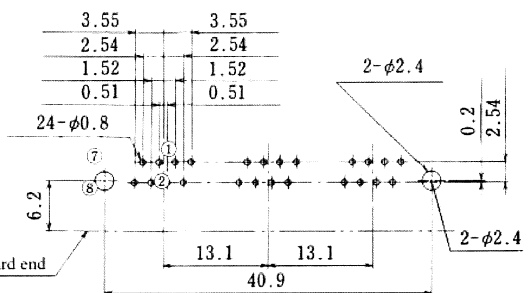
| CL No.        | Part No.         | RoHS |
|---------------|------------------|------|
| 222-3712-1-50 | TM5RSB-1616 (50) | YES  |

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).

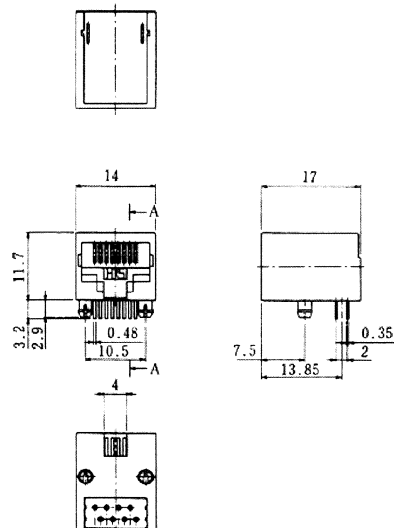
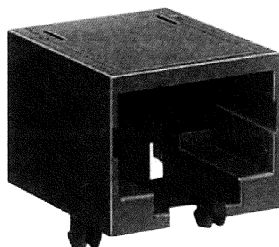
### ●APPLICATIONS

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

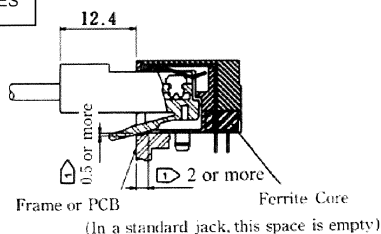
### ●RIGHT-ANGLE DIP TYPE

#### ●TM5RL \*-88(50)

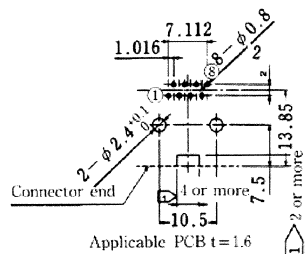
| CL No.        | Part No.      | Type              | RoHS |
|---------------|---------------|-------------------|------|
| 222-2665-8-50 | TM5RL-88 (50) | Standard          | YES  |
| 222-2666-0-50 | TM5RL-88 (50) | With ferrite core |      |



View of mating plug  
A-A



Reference mounting dimensions  
(PCB component side)



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

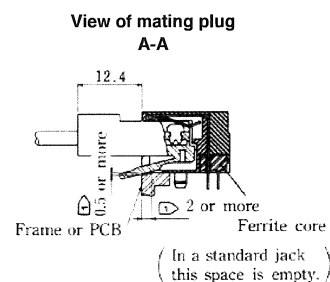
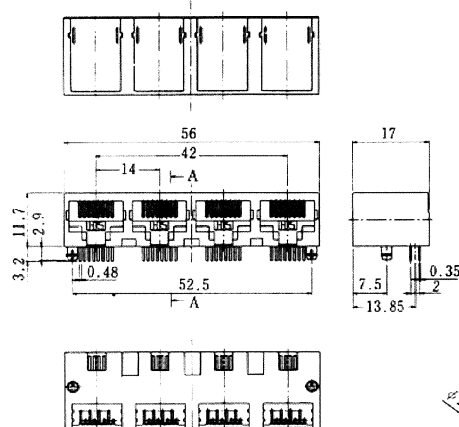
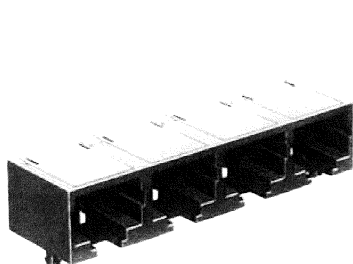
# MODULAR CONNECTORS

CL 222 TM

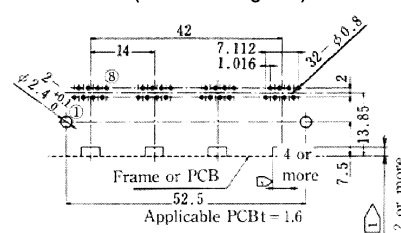
## Quadruplet right-angle dip

### ●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 |      |



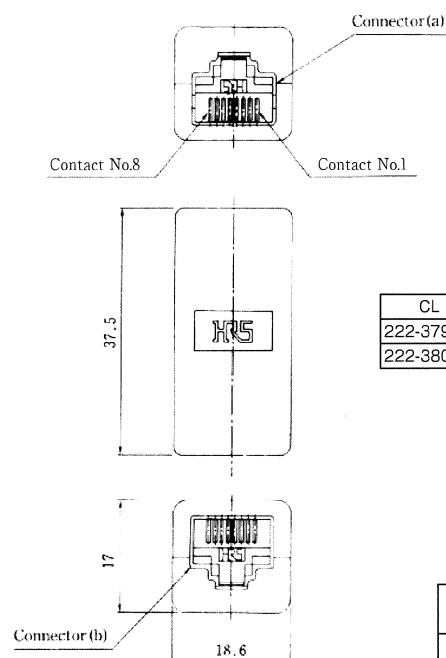
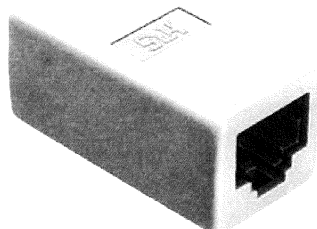
### Mounting dimensions for reference (PCB mounting side)



Note : When preparing frames or PCBs, provide the above  $\triangleright$  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. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| TM5RL-88                  |   |   |   |   |   |   |   |   |
| Connector(b) terminal No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| TM5RL-88                  |   |   |   |   |   |   |   |   |

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[62\(20\)](#) [TM5RF-66](#) [TM5RF-66\(50\)](#) [TM5RE3-64\(20\)](#) [TM5RE3-66\(20\)](#) [TM5RJ2-44\(50\)](#) [TM5RJ2-64](#) [TM5RJ2-64\(50\)](#)  
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[TM5RJ3-66\(51\)](#) [TM5RJ3-88\(50\)](#) [TM5RJ3-88\(51\)](#) [TM5RJ3-88\(52\)](#) [TM2REA-0604\(50\)](#) [TM2REA-0606\(50\)](#) [TM5RJ2-](#)  
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