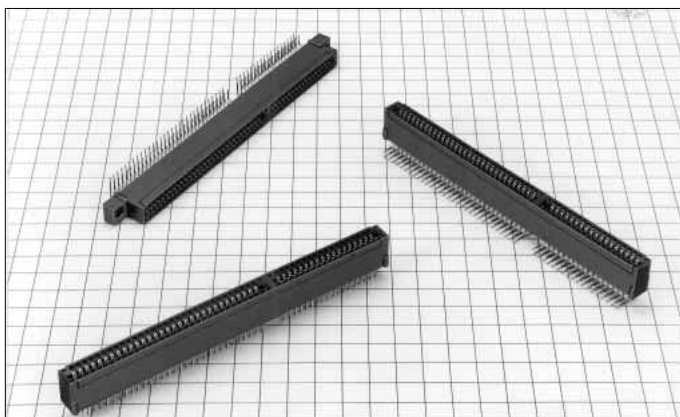


# ISA Bus (AT bus)

## MCR60 Series



### ■Features

#### 1. Standard

Compliant with ISA bus (AT bus) standard

#### 2. Connector Type

The contact pitch is 2.54mm, and the connector has 98 contacts.

#### 3. Board Mounting Type

Straight through hole, right angle through hole types are available.

#### 4. Prevents mis-insertion in the board

Using the polarizing key prevents mis-insertion in the printed board.

### ■Product Specifications

|        |                                               |                                                                                           |                                                                                                |
|--------|-----------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Rating | Current rating: 3A<br>Voltage rating: 300V AC | Operating Temperature Range: -30 to +85°C (Note 1)<br>Operating Humidity Range: 40 to 80% | Storage Temperature Range: -10 to +60°C (Note 2)<br>Storage Humidity Range: 40 to 70% (Note 2) |
|--------|-----------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|

| Item                            | Specification                                       | Condition                                                                                                  |
|---------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1.Insulator Resistance          | 1000M ohms min.                                     | 500V DC                                                                                                    |
| 2.Withstanding Voltage          | No flashover or insulation breakdown.               | 1000V AC/1 minute.                                                                                         |
| 3.Contact Resistance            | 30m ohms max.                                       | 100mA                                                                                                      |
| 4.Vibration                     | No electrical discontinuity of 10μs or more         | Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 directions.                  |
| 5.Humidity(Steady state)        | Insulation resistance : 1000M ohms min.             | 96 hours at temperature of 40°C and humidity of 90% to 95%                                                 |
| 6.Temperature Cycle             | No damage, cracks, or parts looseness.              | (-65°C : 30 minutes→15 to 35°C: 5 minutes max.→<br>125°C : 30 minutes→15 to 35°C: 5 minutes max.) 5 cycles |
| 7.Durability (Mating/un-mating) | Contact resistance : 30m ohms max.                  | 500 cycles                                                                                                 |
| 8.Resistance to Soldering heat  | No deformation of components affecting performance. | Manual soldering: 350°C for 3 seconds                                                                      |

Note 1: Includes temperature rise caused by current flow.

Note 2: The term "storage" refers to products stored for long period of time prior to mounting and use. Operating Temperature Range and Humidity range covers non conducting condition of installed connectors in storage, shipment or during transportation.

Note 3: Information contained in this catalog represents general requirements for this Series. Contact us for the drawings and specifications for a specific part number shown.

### ■Material

| Parts     | Material     | Finish       | Remarks               |
|-----------|--------------|--------------|-----------------------|
| Insulator | PBT          | Black        | UL94V-0               |
| Contact   | Copper alloy | Contact area | Selective gold plated |
|           |              | Lead area    | Tin plated            |

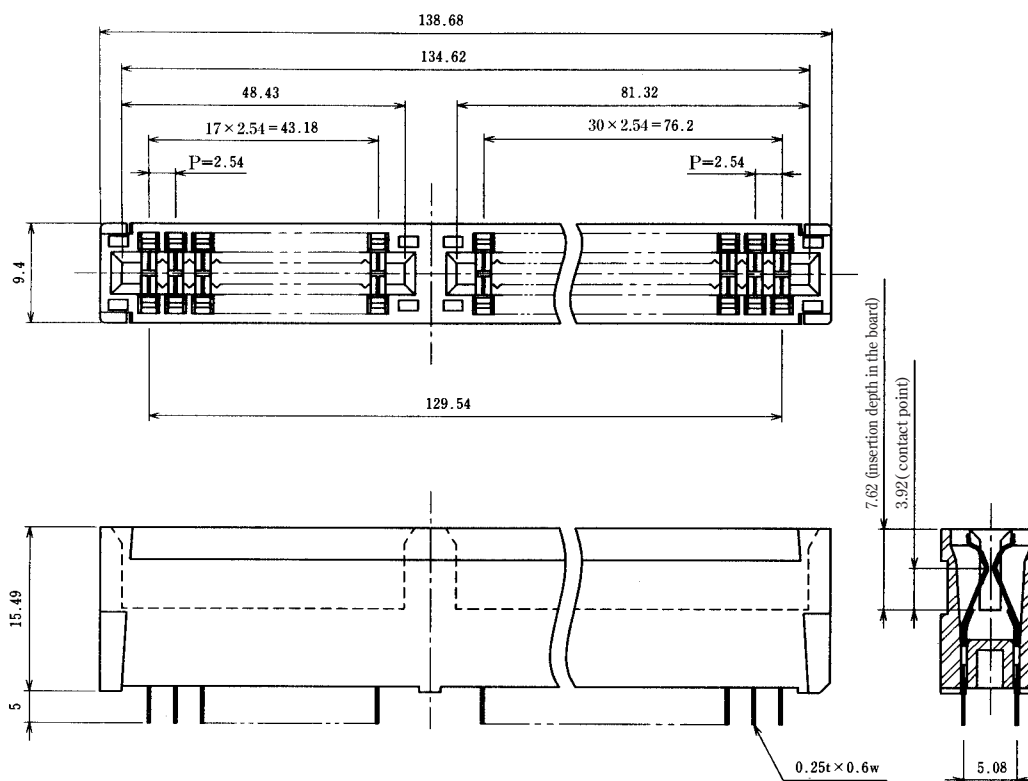
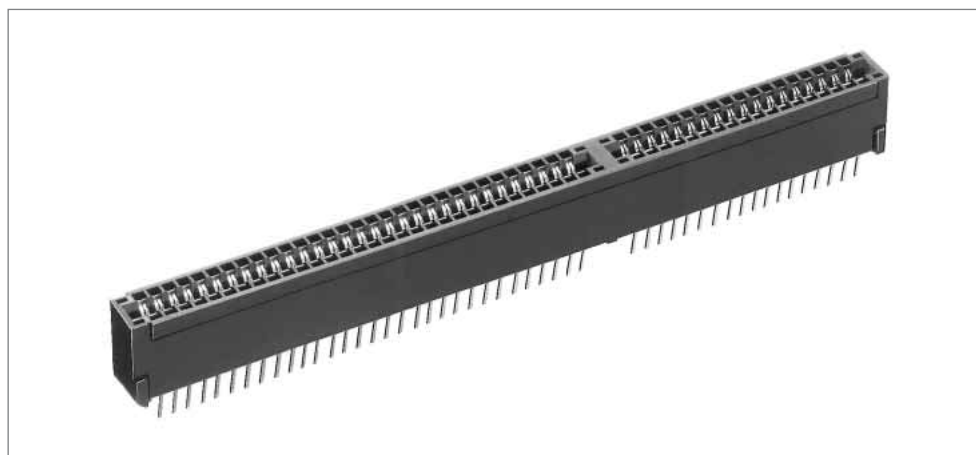
### ■Ordering Information

**MCR60    A   -   98   D   -   2.54   DS**  
           ①        ②        ③        ④        ⑤        ⑥

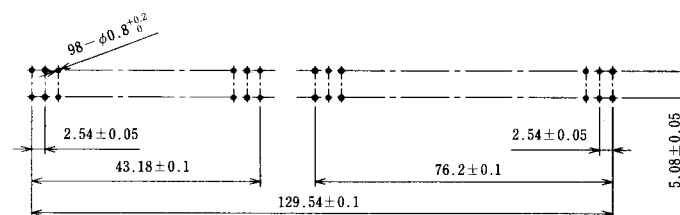
|                                                                      |                                                                                                                                |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| ① Series Name : MCR60                                                | ⑤ Contact pitch : 2.54mm                                                                                                       |
| ② Mold Type    A: Without mounting hole<br>Blank: With Mounting hole | ⑥ Contact type        :<br>DS : Straight type<br>DSA : Right bent and right angle type<br>DSB : Left bent and right angle type |
| ③ Number of contacts : 98                                            |                                                                                                                                |
| ④ Contact alignment : D : Double side                                |                                                                                                                                |

## MCR60 Series ISA Bus (AT bus)

### ■Straight Through hole Type without mounting hole

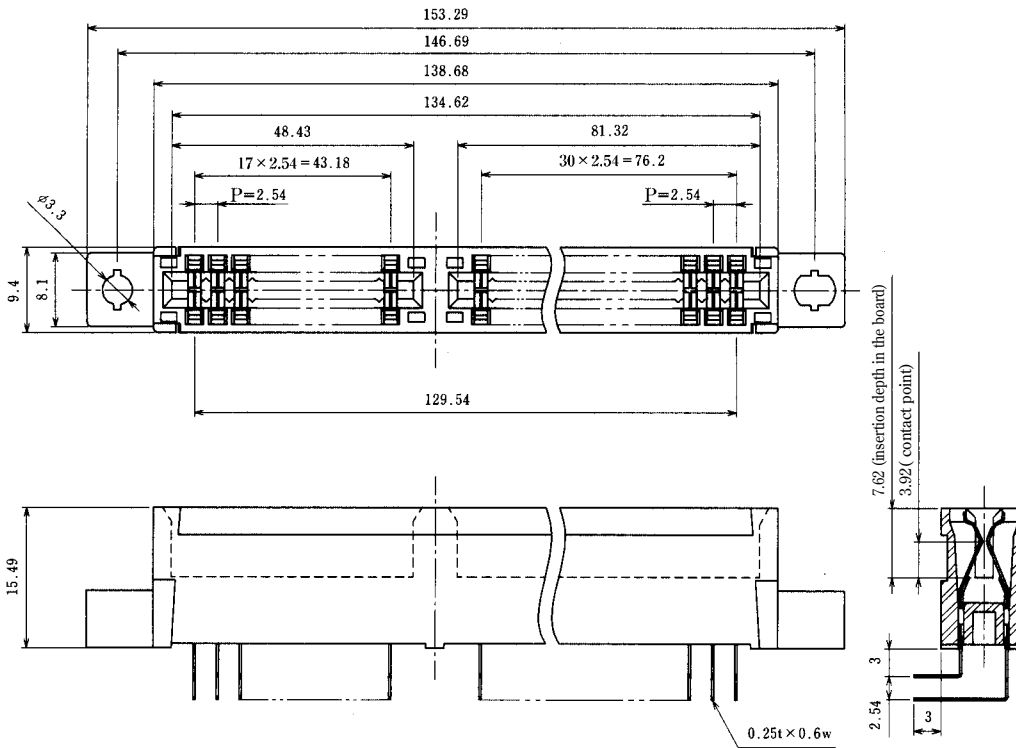
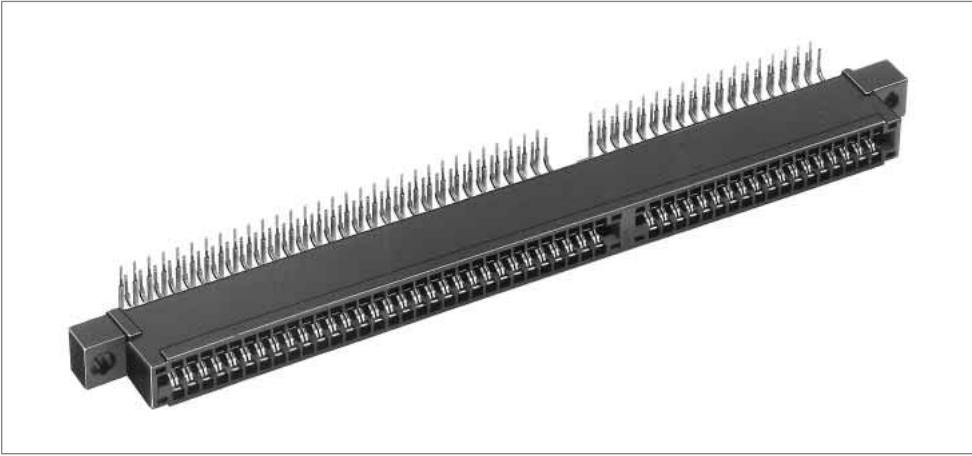


### ◆PCB mounting pattern

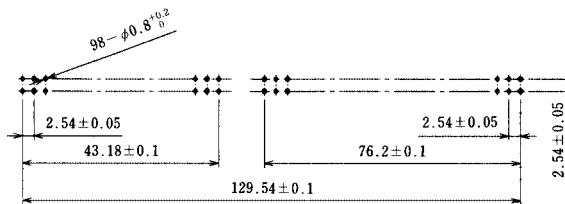


| Part Number           | CL No.          | RoHS |
|-----------------------|-----------------|------|
| MCR60A-98D-2.54DS(70) | CL548-0112-5-70 | YES  |

## ■Left Bent and Right Angle Through hole Type with Mounting hole



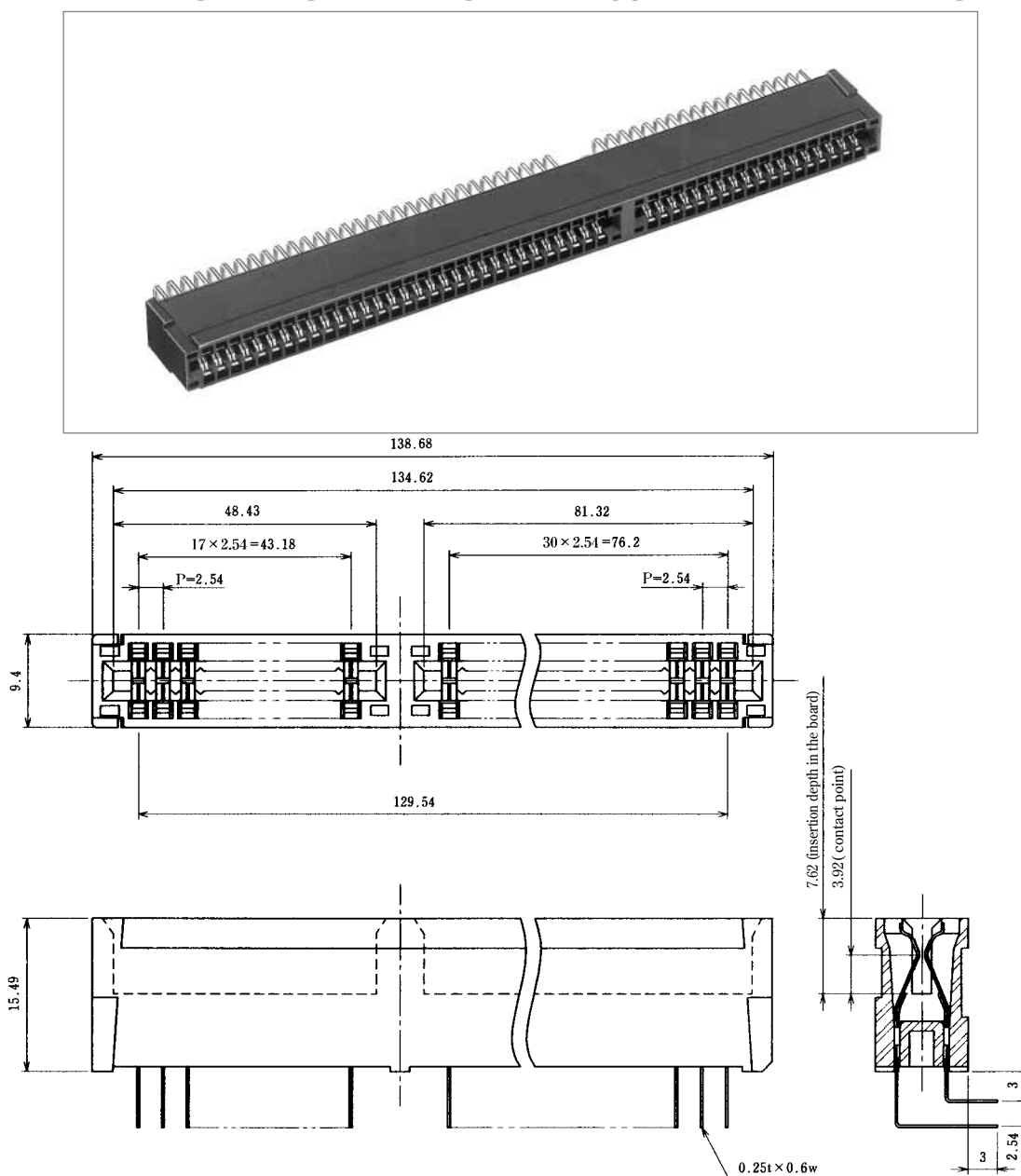
## PCB mounting pattern



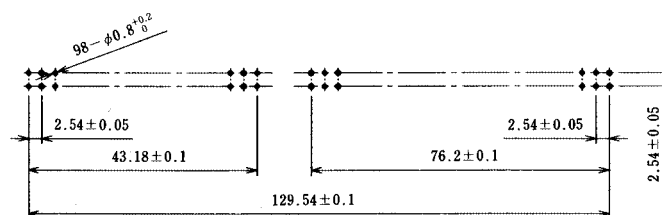
| Part Number           | CL No.          | RoHS |
|-----------------------|-----------------|------|
| MCR60-98D-2.54DSB(70) | CL548-0178-3-70 | YES  |

## MCR60 Series ISA Bus (AT bus)

### Right Bent and Right Angle Through hole Type without Mounting hole



### PCB mounting pattern



| Part Number            | CL No.          | RoHS |
|------------------------|-----------------|------|
| MCR60A-98D-2.54DSA(70) | CL548-0148-2-70 | YES  |

## ◆PCB Dimensions

