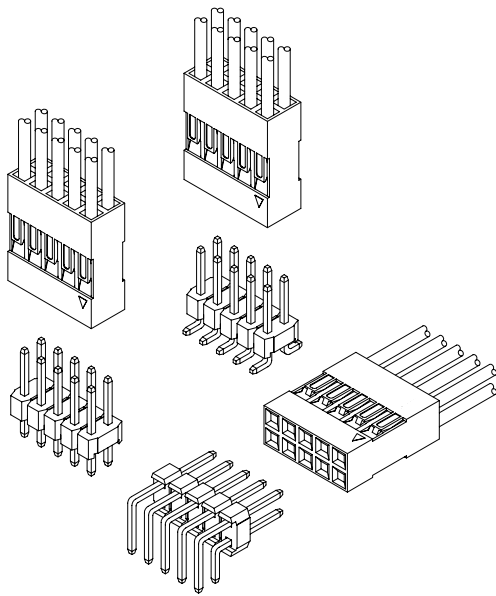




### Specifications

Current Rating: 1.8A~3A AC,DC(Per Pin)

Voltage Rating: 250V AC,DC(Per Pin)

Temperature Range: -25°C ~ +85°C

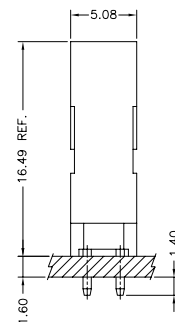
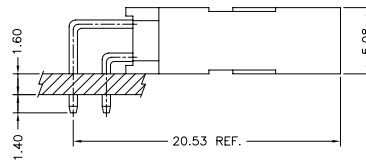
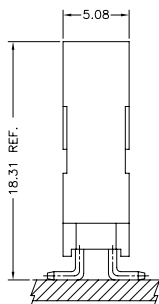
Contact Resistance: 20mΩ Max.

Insulation Resistance: 1000MΩ Min.

Withstanding Voltage: 1500V AC/minute

### Standards

### Assembly Layout



### Ordering Code

① A2542 ② X ③ X-X-④ 2X ⑤ NP

- ① Series No.
- ② Housing Type: H=Housing
- ③ Blank=Normal Type  
A=Reverse Type(Without Nose Type Only)
- ④ Blank=Normal Type, N=With Nose
- ⑤ 2X=Dual Row
- ⑥ No. of Circuits

① A2542 ② XX-③ X-④ 2X ⑤ NP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Mounting Type: Blank=Through Hole,  
S=SMT
- ④ 2X=Dual Row
- ⑤ No. of Circuits



# A2542 SERIES

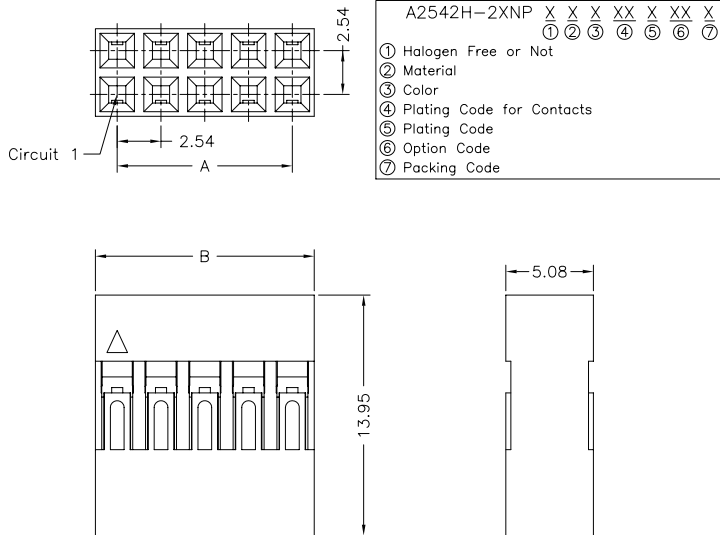
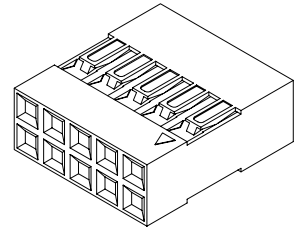
2.54mm Pitch Wire to Board Connector

## A2542H-2

2.54mm Pitch Dual Row Housing

### Reference Information:

- \*Material: Thermoplastic
- \*Suitable A2547 Series Terminal
- \*Mates with A2542Series Dual Row Pin Header or A2548 Series Dual Row Box Header



### Dimensions:

| Circuit No. | Dimensions |       | Circuit No. | Dimensions |        |
|-------------|------------|-------|-------------|------------|--------|
|             | A          | B     |             | A          | B      |
| 2X02        | 2.54       | 5.08  | 2X22        | 53.34      | 55.88  |
| 2X03        | 5.08       | 7.62  | 2X23        | 55.88      | 58.42  |
| 2X04        | 7.62       | 10.16 | 2X24        | 58.42      | 60.96  |
| 2X05        | 10.16      | 12.70 | 2X25        | 60.96      | 63.50  |
| 2X06        | 12.70      | 15.24 | 2X26        | 63.50      | 66.04  |
| 2X07        | 15.24      | 17.78 | 2X27        | 66.04      | 68.58  |
| 2X08        | 17.78      | 20.32 | 2X28        | 68.58      | 71.12  |
| 2X09        | 20.32      | 22.86 | 2X29        | 71.12      | 73.66  |
| 2X10        | 22.86      | 25.40 | 2X30        | 73.66      | 76.20  |
| 2X11        | 25.40      | 27.94 | 2X31        | 76.20      | 78.74  |
| 2X12        | 27.94      | 30.48 | 2X32        | 78.74      | 81.28  |
| 2X13        | 30.48      | 33.02 | 2X33        | 81.28      | 83.82  |
| 2X14        | 33.02      | 35.56 | 2X34        | 83.82      | 86.36  |
| 2X15        | 35.56      | 38.10 | 2X35        | 86.36      | 88.90  |
| 2X16        | 38.10      | 40.64 | 2X36        | 88.90      | 91.44  |
| 2X17        | 40.64      | 43.18 | 2X37        | 91.44      | 93.98  |
| 2X18        | 43.18      | 45.72 | 2X38        | 93.98      | 96.52  |
| 2X19        | 45.72      | 48.26 | 2X39        | 96.52      | 99.06  |
| 2X20        | 48.26      | 50.80 | 2X40        | 99.06      | 101.60 |
| 2X21        | 50.80      | 53.34 |             |            |        |

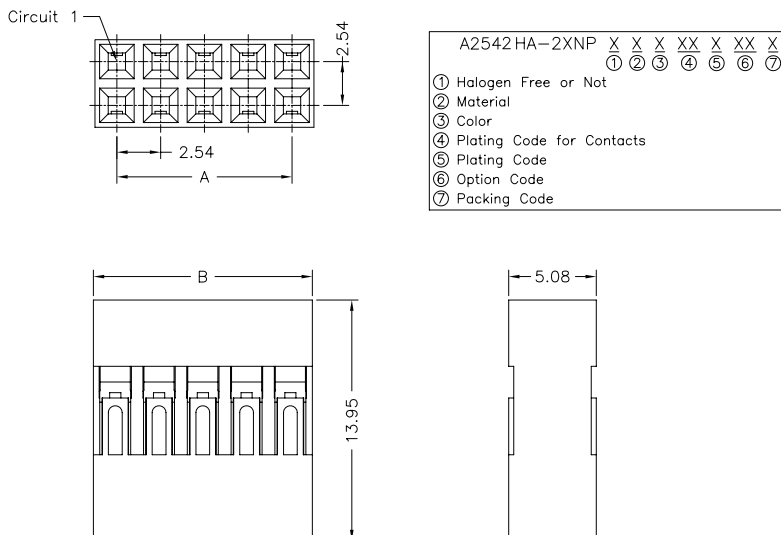
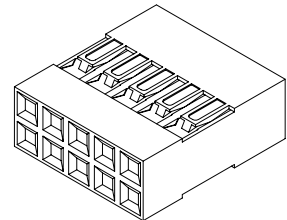
Unit:mm

## A2542HA-2

2.54mm Pitch Dual Row Housing - Reverse Type

### Reference Information:

- \*Material: Thermoplastic
- \*Suitable A2547 Series Terminal
- \*Mates with A2542 Series Dual Row Pin Header or A2548 Series Dual Row Box Header



### Dimensions:

| Circuit No. | Dimensions |       | Circuit No. | Dimensions |        |
|-------------|------------|-------|-------------|------------|--------|
|             | A          | B     |             | A          | B      |
| 2X02        | 2.54       | 5.08  | 2X22        | 53.34      | 55.88  |
| 2X03        | 5.08       | 7.62  | 2X23        | 55.88      | 58.42  |
| 2X04        | 7.62       | 10.16 | 2X24        | 58.42      | 60.96  |
| 2X05        | 10.16      | 12.70 | 2X25        | 60.96      | 63.50  |
| 2X06        | 12.70      | 15.24 | 2X26        | 63.50      | 66.04  |
| 2X07        | 15.24      | 17.78 | 2X27        | 66.04      | 68.58  |
| 2X08        | 17.78      | 20.32 | 2X28        | 68.58      | 71.12  |
| 2X09        | 20.32      | 22.86 | 2X29        | 71.12      | 73.66  |
| 2X10        | 22.86      | 25.40 | 2X30        | 73.66      | 76.20  |
| 2X11        | 25.40      | 27.94 | 2X31        | 76.20      | 78.74  |
| 2X12        | 27.94      | 30.48 | 2X32        | 78.74      | 81.28  |
| 2X13        | 30.48      | 33.02 | 2X33        | 81.28      | 83.82  |
| 2X14        | 33.02      | 35.56 | 2X34        | 83.82      | 86.36  |
| 2X15        | 35.56      | 38.10 | 2X35        | 86.36      | 88.90  |
| 2X16        | 38.10      | 40.64 | 2X36        | 88.90      | 91.44  |
| 2X17        | 40.64      | 43.18 | 2X37        | 91.44      | 93.98  |
| 2X18        | 43.18      | 45.72 | 2X38        | 93.98      | 96.52  |
| 2X19        | 45.72      | 48.26 | 2X39        | 96.52      | 99.06  |
| 2X20        | 48.26      | 50.80 | 2X40        | 99.06      | 101.60 |
| 2X21        | 50.80      | 53.34 |             |            |        |

Unit:mm