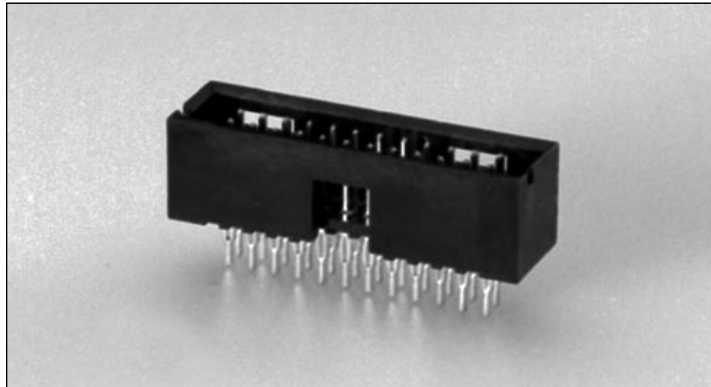




# .100" (2.54mm) Dual Row, Through Hole, Vertical, Shrouded, Military Polarization Header



## 9100 SERIES ("POST/BOXE")

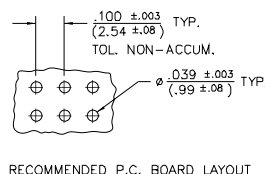
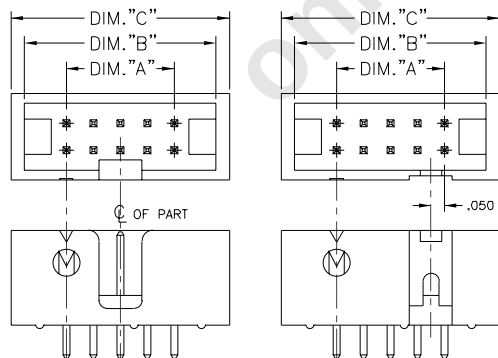
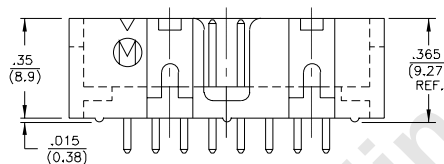
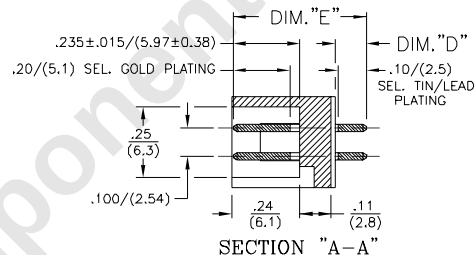
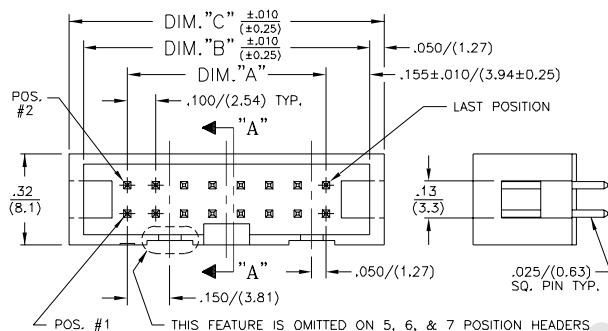
### PART NUMBER LEGEND

#### 910X-10-2XX-XX

- PIN NUMBER**  
(SEE TABLE II)
- NUMBER OF POSITIONS**  
(SEE TABLE I)
- PIN PLATING**  
(SEE NOTE 4)
- INSULATOR MATERIAL**  
(SEE NOTE 2)

### NOTES:

- 1) ALL DIMENSIONS ARE SHOWN AS INCHES/(MM).
- 2) INSULATOR MATERIAL: 910X - GLASS FILLED POLYESTER, U.L. 94 V-0;
- 3) PIN MATERIAL: PHOSPHOR BRONZE.
- 4) PIN FINISH: 9100 - TIN/LEAD OVER NICKEL PLATE;  
9108 - SEL. GOLD PLATE (.000030) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE (.000050) OVERALL;  
910E - SEL. GOLD PLATE (.000015) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE (.000050) OVERALL.



RECOMMENDED P.C. BOARD LAYOUT

| PART No.       | No. OF POS. | TABLE I<br>"A" | DIM "B"       | DIM "C"       |
|----------------|-------------|----------------|---------------|---------------|
| 910X-10-X05-XX | 5           | .400/(10.16)   | .710/(18.03)  | .810/(20.57)  |
| X06            | 6           | .500/(12.70)   | .810/(20.57)  | .910/(23.11)  |
| 207            | 7           | .600/(15.24)   | .910/(23.11)  | 1.010/(25.65) |
| 208            | 8           | .700/(17.78)   | 1.010/(25.65) | 1.110/(28.19) |
| 209            | 9           | .800/(20.32)   | 1.110/(28.19) | 1.210/(30.73) |
| 210            | 10          | .900/(22.86)   | 1.210/(30.73) | 1.310/(33.27) |
| 211            | 11          | 1.000/(25.40)  | 1.310/(33.27) | 1.410/(35.81) |
| 212            | 12          | 1.100/(27.94)  | 1.410/(35.81) | 1.510/(38.35) |
| 213            | 13          | 1.200/(30.48)  | 1.510/(38.35) | 1.610/(40.89) |
| 214            | 14          | 1.300/(33.02)  | 1.610/(40.89) | 1.710/(43.43) |
| 215            | 15          | 1.400/(35.56)  | 1.710/(43.43) | 1.810/(45.97) |
| 216            | 16          | 1.500/(38.10)  | 1.810/(45.97) | 1.910/(48.51) |
| 217            | 17          | 1.600/(40.64)  | 1.910/(48.51) | 2.010/(51.05) |
| 218            | 18          | 1.700/(43.18)  | 2.010/(51.05) | 2.110/(53.59) |
| 219            | 19          | 1.800/(45.72)  | 2.110/(53.59) | 2.210/(56.13) |
| 220            | 20          | 1.900/(48.26)  | 2.210/(56.13) | 2.310/(58.67) |
| 221            | 21          | 2.000/(50.80)  | 2.310/(58.67) | 2.410/(61.21) |
| 222            | 22          | 2.100/(53.34)  | 2.410/(61.21) | 2.510/(63.75) |
| 223            | 23          | 2.200/(55.88)  | 2.510/(63.75) | 2.610/(66.29) |
| 224            | 24          | 2.300/(58.42)  | 2.610/(66.29) | 2.710/(68.83) |
| 225            | 25          | 2.400/(60.96)  | 2.710/(68.83) | 2.810/(71.37) |
| 226            | 26          | 2.500/(63.50)  | 2.810/(71.37) | 2.910/(73.91) |
| 227            | 27          | 2.600/(66.04)  | 2.910/(73.91) | 3.010/(76.45) |
| 228            | 28          | 2.700/(68.58)  | 3.010/(76.45) | 3.110/(78.99) |
| 229            | 29          | 2.800/(71.12)  | 3.110/(78.99) | 3.210/(81.53) |
| 230            | 30          | 2.900/(73.66)  | 3.210/(81.53) | 3.310/(84.07) |
| 231            | 31          | 3.000/(76.20)  | 3.310/(84.07) | 3.410/(86.61) |
| 910X-10-232-XX | 32          | 3.100/(78.74)  | 3.410/(86.61) | 3.510/(89.15) |

| PART No.       | DIM "D"                  | DIM "E"                   |
|----------------|--------------------------|---------------------------|
| 910X-10-XXX-01 | .125±.015<br>(3.18±0.38) | .485±.015<br>(12.31±0.38) |
| 910X-10-XXX-02 | .110±.015<br>(2.79±0.38) | .470±.015<br>(11.94±0.38) |

P/N 910X-10-<sup>205</sup>/<sub>206</sub>-XX 5 & 6 POSITION ONLY  
P/N 910X-10-<sup>305</sup>/<sub>306</sub>-XX 5 & 6 POSITION ONLY

NOTE: ALL OTHER DIMENSIONS ARE THE SAME AS 7 THRU 32 POSITION (SHOWN ABOVE).



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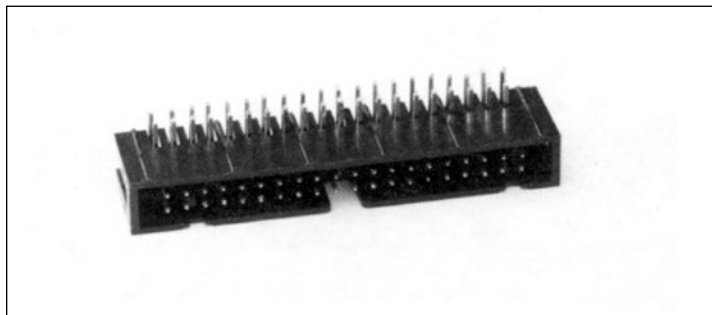
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# .100" (2.54mm) Dual Row, Through Hole, Right Angle, Military Polarization Header



## 9100 SERIES ("POST/BOXE")

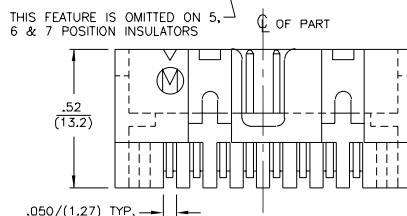
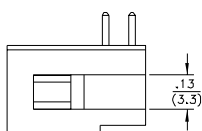
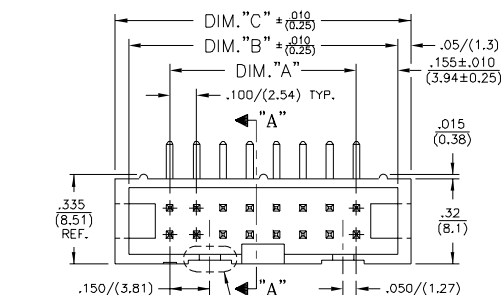
### PART NUMBER LEGEND

#### 910X-11-2XX-XX

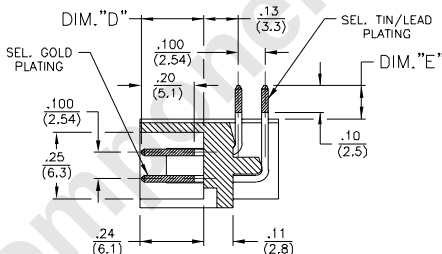
- PIN NUMBER**  
(SEE TABLE II)
- NUMBER OF POSITIONS**  
(SEE TABLE I)
- PIN PLATING**  
(SEE NOTE 4)
- INSULATOR MATERIAL**  
(SEE NOTE 2)

### NOTES:

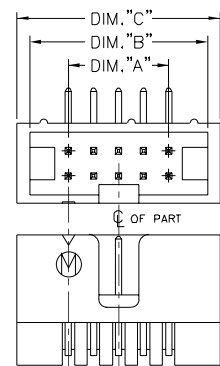
- 1) ALL DIMENSIONS ARE SHOWN AS INCHES/(MM).
- 2) INSULATOR MATERIAL:  
910X - POLYESTER (PBT), 30% G/R, U.L. 94 V-O, COLOR IS BLACK;
- 3) PIN MATERIAL: PHOSPHOR BRONZE.
- 4) PIN FINISH:  
9100 - TIN/LEAD OVER NICKEL PLATE;  
9108 - SEL. GOLD PLATE (.000030) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDER-PLATE (.000050) OVERALL;  
910E - SEL. GOLD PLATE (.000015) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDER-PLATE (.000050) OVERALL.



### 7 THRU 32 POSITION PARTS

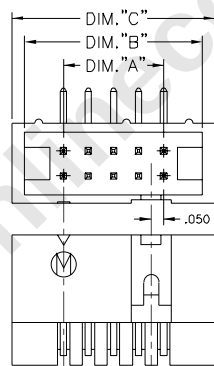


### SECTION "A-A"

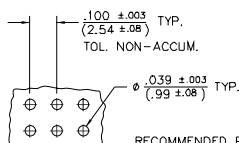


### P/N 910X-11-205-XX 5 & 6 POSITION ONLY

NOTE: ALL OTHER DIMENSIONS ARE THE SAME AS 7 THRU 32 POSITION (SHOWN ABOVE).



### P/N 910X-11-305-XX 5 & 6 POSITION ONLY



RECOMMENDED P.C. BOARD LAYOUT

| PART No.       | No. OF POS. | DIM "A"       | DIM "B"       | DIM "C"       |
|----------------|-------------|---------------|---------------|---------------|
| 910X-11-X05-XX | 10          | .400/(10.16)  | .710/(18.03)  | .810/(20.57)  |
| X06            | 12          | .500/(12.70)  | .810/(20.57)  | .910/(23.11)  |
| 207            | 14          | .600/(15.24)  | .910/(23.11)  | 1.010/(25.65) |
| 208            | 16          | .700/(17.78)  | 1.010/(25.65) | 1.110/(28.19) |
| 209            | 18          | .800/(20.32)  | 1.110/(28.19) | 1.210/(30.73) |
| 210            | 20          | .900/(22.86)  | 1.210/(30.73) | 1.310/(33.27) |
| 211            | 22          | 1.000/(25.40) | 1.310/(33.27) | 1.410/(35.81) |
| 212            | 24          | 1.100/(27.94) | 1.410/(35.81) | 1.510/(38.35) |
| 213            | 26          | 1.200/(30.48) | 1.510/(38.35) | 1.610/(40.89) |
| 214            | 28          | 1.300/(33.02) | 1.610/(40.89) | 1.710/(43.43) |
| 215            | 30          | 1.400/(35.56) | 1.710/(43.43) | 1.810/(45.97) |
| 216            | 32          | 1.500/(38.10) | 1.810/(45.97) | 1.910/(48.51) |
| 217            | 34          | 1.600/(40.64) | 1.910/(48.51) | 2.010/(51.05) |
| 218            | 36          | 1.700/(43.18) | 2.010/(51.05) | 2.110/(53.59) |
| 219            | 38          | 1.800/(45.72) | 2.110/(53.59) | 2.210/(56.13) |
| 220            | 40          | 1.900/(48.26) | 2.210/(56.13) | 2.310/(58.67) |
| 221            | 42          | 2.000/(50.80) | 2.310/(58.67) | 2.410/(61.21) |
| 222            | 44          | 2.100/(53.34) | 2.410/(61.21) | 2.510/(63.75) |
| 223            | 46          | 2.200/(55.88) | 2.510/(63.75) | 2.610/(66.29) |
| 224            | 48          | 2.300/(58.42) | 2.610/(66.29) | 2.710/(68.83) |
| 225            | 50          | 2.400/(60.96) | 2.710/(68.83) | 2.810/(71.37) |
| 226            | 52          | 2.500/(63.50) | 2.810/(71.37) | 2.910/(73.91) |
| 227            | 54          | 2.600/(66.04) | 2.910/(73.91) | 3.010/(76.45) |
| 228            | 56          | 2.700/(68.58) | 3.010/(76.45) | 3.110/(78.99) |
| 229            | 58          | 2.800/(71.12) | 3.110/(78.99) | 3.210/(81.53) |
| 230            | 60          | 2.900/(73.66) | 3.210/(81.53) | 3.310/(84.07) |
| 231            | 62          | 3.000/(76.20) | 3.310/(84.07) | 3.410/(86.61) |
| 910X-11-232-XX | 64          | 3.100/(78.74) | 3.410/(86.61) | 3.510/(89.15) |

| PART No.       | DIM "D"                              | DIM "E"                              |
|----------------|--------------------------------------|--------------------------------------|
| 910X-11-XXX-01 | .235 $\pm$ .015<br>(5.97 $\pm$ 0.38) | .125 $\pm$ .015<br>(3.18 $\pm$ 0.38) |
| 910X-11-XXX-02 | .235 $\pm$ .015<br>(5.97 $\pm$ 0.38) | .090 $\pm$ .015<br>(2.29 $\pm$ 0.38) |



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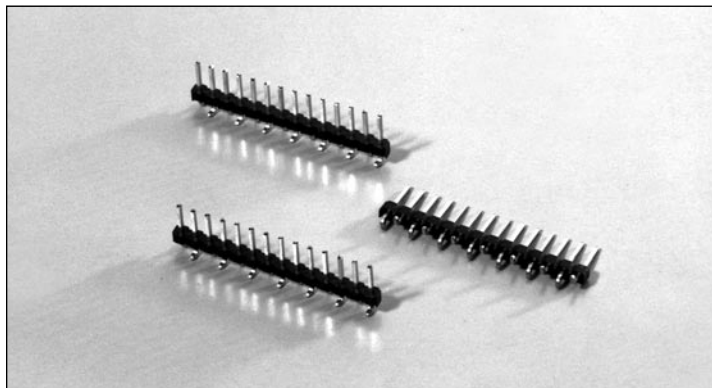
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# .100" (2.54mm) Single Row, Surface Mount, Vertical Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 910X-21-1XX-XX

PIN NUMBER  
(SEE TABLE II)

NUMBER OF POSITIONS  
(SEE TABLE I)

PIN PLATING  
(SEE NOTE 2)

### MATING CONNECTORS: 9000 SERIES

#### NOTES:

- 1) MATERIALS: INSULATOR - POLYESTER(PET), 30% G.R., U.L. 94V-0, COLOR IS BLACK;  
PINS - PHOSPHOR BRONZE.
- 2) PIN FINISH: 9100 - TIN/LEAD OVER NICKEL PLATE;  
9102 - GOLD (.000015 THICK) OVER NICKEL PLATE (.000030 THICK).  
9108 - SEL. GOLD (.000030 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050/.000150 THICK).  
910E - SEL. GOLD (.000015 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050/.000150 THICK).
- 3) PIN RETENTION: 2 LB MINIMUM.

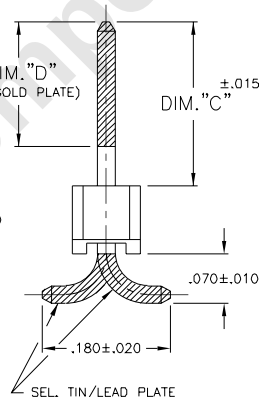
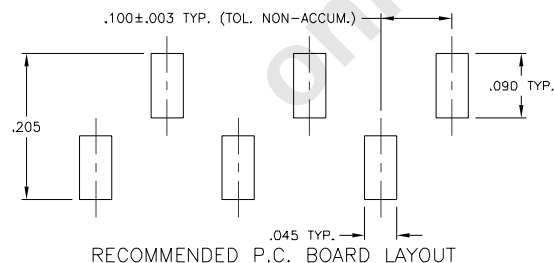
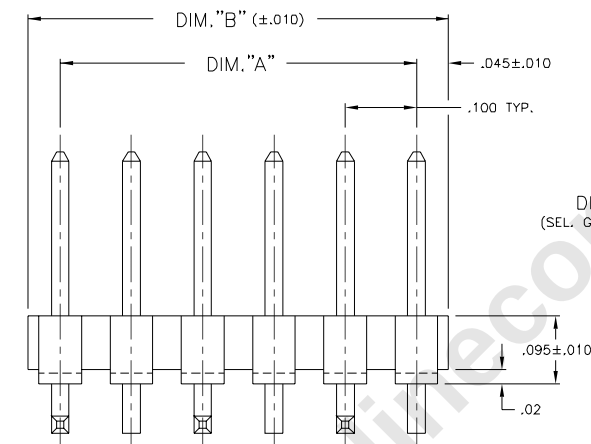
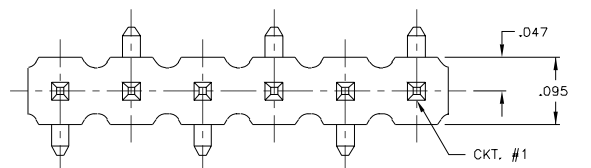


TABLE I

| PART No.       | No. OF POS. | DIM "A" | DIM "B" |
|----------------|-------------|---------|---------|
| 910X-21-102-XX | 2           | .100    | .190    |
| ↑ -103- ↓      | 3           | .200    | .290    |
| ↑ -104- ↓      | 4           | .300    | .390    |
| ↑ -105- ↓      | 5           | .400    | .490    |
| ↑ -106- ↓      | 6           | .500    | .590    |
| ↑ -107- ↓      | 7           | .600    | .690    |
| ↑ -108- ↓      | 8           | .700    | .790    |
| ↑ -109- ↓      | 9           | .800    | .890    |
| ↑ -110- ↓      | 10          | .900    | .990    |
| ↑ -111- ↓      | 11          | 1.000   | 1.090   |
| ↑ -112- ↓      | 12          | 1.100   | 1.190   |
| ↑ -113- ↓      | 13          | 1.200   | 1.290   |
| ↑ -114- ↓      | 14          | 1.300   | 1.390   |
| ↑ -115- ↓      | 15          | 1.400   | 1.490   |
| ↑ -116- ↓      | 16          | 1.500   | 1.590   |
| ↑ -117- ↓      | 17          | 1.600   | 1.690   |
| ↑ -118- ↓      | 18          | 1.700   | 1.790   |
| ↑ -119- ↓      | 19          | 1.800   | 1.890   |
| ↑ -120- ↓      | 20          | 1.900   | 1.990   |
| ↑ -121- ↓      | 21          | 2.000   | 2.090   |
| ↑ -122- ↓      | 22          | 2.100   | 2.190   |
| ↑ -123- ↓      | 23          | 2.200   | 2.290   |
| ↑ -124- ↓      | 24          | 2.300   | 2.390   |
| ↑ -125- ↓      | 25          | 2.400   | 2.490   |
| ↑ -126- ↓      | 26          | 2.500   | 2.590   |
| ↑ -127- ↓      | 27          | 2.600   | 2.690   |
| ↑ -128- ↓      | 28          | 2.700   | 2.790   |
| ↑ -129- ↓      | 29          | 2.800   | 2.890   |
| ↑ -130- ↓      | 30          | 2.900   | 2.990   |
| ↑ -131- ↓      | 31          | 3.000   | 3.090   |
| ↑ -132- ↓      | 32          | 3.100   | 3.190   |
| ↑ -133- ↓      | 33          | 3.200   | 3.290   |
| ↑ -134- ↓      | 34          | 3.300   | 3.390   |
| ↑ -135- ↓      | 35          | 3.400   | 3.490   |
| ↑ -136- ↓      | 36          | 3.500   | 3.590   |
| ↑ -137- ↓      | 37          | 3.600   | 3.690   |
| ↑ -138- ↓      | 38          | 3.700   | 3.790   |
| ↑ -139- ↓      | 39          | 3.800   | 3.890   |
| ↑ -140- ↓      | 40          | 3.900   | 3.990   |

TABLE II

| PART No.       | DIM "C" | DIM "D" |
|----------------|---------|---------|
| 910X-21-1XX-01 | .230    | .160    |
| 910X-21-1XX-02 | .320    | .200    |



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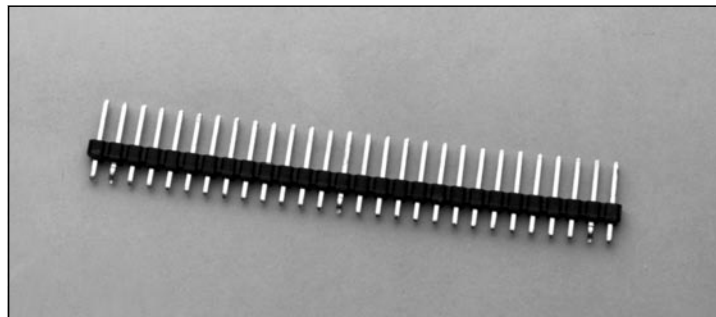
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# .100" (2.54mm) Single Row, Through Hole, Vertical Header with Retention Tails



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

91XX-31-1XX-XX

PIN NUMBER  
(SEE TABLE II)

NUMBER OF POSITIONS  
(SEE TABLE I)

PIN PLATING  
(SEE NOTE 3)

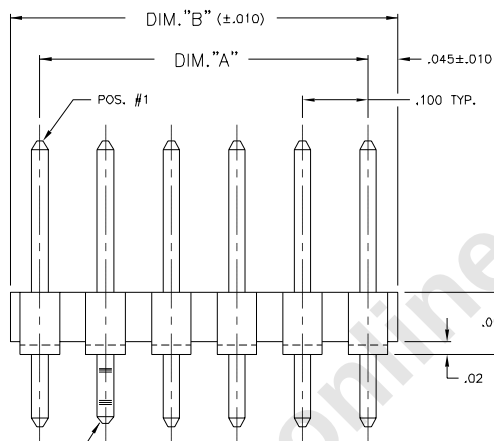
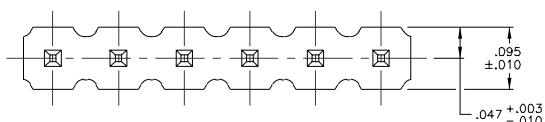
INSULATOR MATERIAL (SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

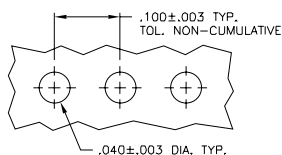
### NOTES:

- 1) INSULATOR MATERIAL: 910X - GLASS FILLED POLYESTER (PET); UL 94V-0; COLOR: BLACK  
911X - GLASS FILLED POLYESTER (PCT); UL 94V-0; COLOR: BLACK
- 2) PIN MATERIAL: PHOSPHOR BRONZE.
- 3) PIN FINISH: 9100 - TIN OVER NICKEL PLATE;  
9102 - GOLD (.000015 THICK) OVER NICKEL PLATE (.000030 THICK);  
9108 - SEL. GOLD (.000030 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK);  
910E - SEL. GOLD (.000015 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK);

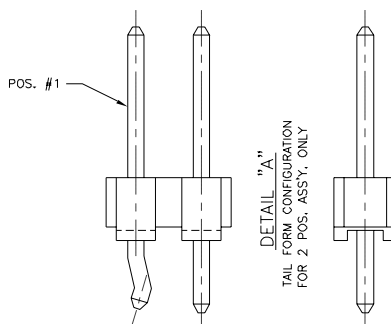
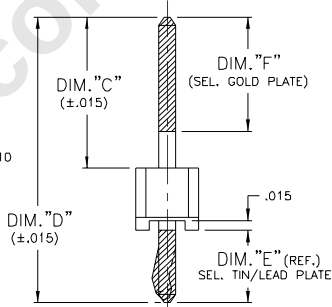
3) PIN RETENTION: 2 LB. MINIMUM.



1ST RETENTION TAIL TO BE FORMED AT POS. #2, TYPICAL FOR 3-THRU-40 POS. ASSEMBLIES ONLY; SEE TABLE I FOR 2ND & 3RD FORMED TAIL LOCATIONS; SEE DETAIL "A" FOR TAIL FORM CONFIGURATION FOR 2 POS. ASS'Y.



RECOMMENDED P.C. BOARD LAYOUT



| TABLE II       |         |         |         |         |  |
|----------------|---------|---------|---------|---------|--|
| PART No.       | DIM "C" | DIM "D" | DIM "E" | DIM "F" |  |
| 910X-31-1XX-01 | .230    | .435    | .110    | .160    |  |
| 910X-31-1XX-02 | .320    | .525    | .110    | .200    |  |
| 910X-31-1XX-03 | .495    | .700    | .110    | .200    |  |
| 910X-31-1XX-04 | .185    | .390    | .110    | ---     |  |

| TABLE I        |             |         |         |     | 2ND TAIL POS. | 3RD TAIL POS. |
|----------------|-------------|---------|---------|-----|---------------|---------------|
| PART No.       | No. OF POS. | DIM "A" | DIM "B" |     |               |               |
| 910X-31-102-XX | 2           | .100    | .190    | --- | ---           | ---           |
| ↑ 103-↑        | 3           | .200    | .290    | --- | ---           | ---           |
| ↑ 104-↑        | 4           | .300    | .390    | --- | ---           | ---           |
| ↑ 105-↑        | 5           | .400    | .490    | 4   | ---           | ---           |
| ↑ 106-↑        | 6           | .500    | .590    | 5   | ---           | ---           |
| ↑ 107-↑        | 7           | .600    | .690    | 6   | ---           | ---           |
| ↑ 108-↑        | 8           | .700    | .790    | 7   | ---           | ---           |
| ↑ 109-↑        | 9           | .800    | .890    | 8   | ---           | ---           |
| ↑ 110-↑        | 10          | .900    | .990    | 9   | ---           | ---           |
| ↑ 111-↑        | 11          | 1.000   | 1.090   | 10  | ---           | ---           |
| ↑ 112-↑        | 12          | 1.100   | 1.190   | 11  | ---           | ---           |
| ↑ 113-↑        | 13          | 1.200   | 1.290   | 12  | ---           | ---           |
| ↑ 114-↑        | 14          | 1.300   | 1.390   | 13  | ---           | ---           |
| ↑ 115-↑        | 15          | 1.400   | 1.490   | 14  | ---           | ---           |
| ↑ 116-↑        | 16          | 1.500   | 1.590   | 15  | ---           | ---           |
| ↑ 117-↑        | 17          | 1.600   | 1.690   | 16  | ---           | ---           |
| ↑ 118-↑        | 18          | 1.700   | 1.790   | 17  | ---           | ---           |
| ↑ 119-↑        | 19          | 1.800   | 1.890   | 18  | ---           | ---           |
| ↑ 120-↑        | 20          | 1.900   | 1.990   | 19  | ---           | ---           |
| ↑ 121-↑        | 21          | 2.000   | 2.090   | 20  | 11            | ---           |
| ↑ 122-↑        | 22          | 2.100   | 2.190   | 21  | 11            | ---           |
| ↑ 123-↑        | 23          | 2.200   | 2.290   | 22  | 12            | ---           |
| ↑ 124-↑        | 24          | 2.300   | 2.390   | 23  | 12            | ---           |
| ↑ 125-↑        | 25          | 2.400   | 2.490   | 24  | 13            | ---           |
| ↑ 126-↑        | 26          | 2.500   | 2.590   | 25  | 13            | ---           |
| ↑ 127-↑        | 27          | 2.600   | 2.690   | 26  | 14            | ---           |
| ↑ 128-↑        | 28          | 2.700   | 2.790   | 27  | 14            | ---           |
| ↑ 129-↑        | 29          | 2.800   | 2.890   | 28  | 15            | ---           |
| ↑ 130-↑        | 30          | 2.900   | 2.990   | 29  | 15            | ---           |
| ↑ 131-↑        | 31          | 3.000   | 3.090   | 30  | 16            | ---           |
| ↑ 132-↑        | 32          | 3.100   | 3.190   | 31  | 16            | ---           |
| ↑ 133-↑        | 33          | 3.200   | 3.290   | 32  | 17            | ---           |
| ↑ 134-↑        | 34          | 3.300   | 3.390   | 33  | 17            | ---           |
| ↑ 135-↑        | 35          | 3.400   | 3.490   | 34  | 18            | ---           |
| ↑ 136-↑        | 36          | 3.500   | 3.590   | 35  | 18            | ---           |
| ↑ 137-↑        | 37          | 3.600   | 3.690   | 36  | 19            | ---           |
| ↑ 138-↑        | 38          | 3.700   | 3.790   | 37  | 19            | ---           |
| ↑ 139-↑        | 39          | 3.800   | 3.890   | 38  | 20            | ---           |
| ↑ 140-↑        | 40          | 3.900   | 3.990   | 39  | 20            | ---           |



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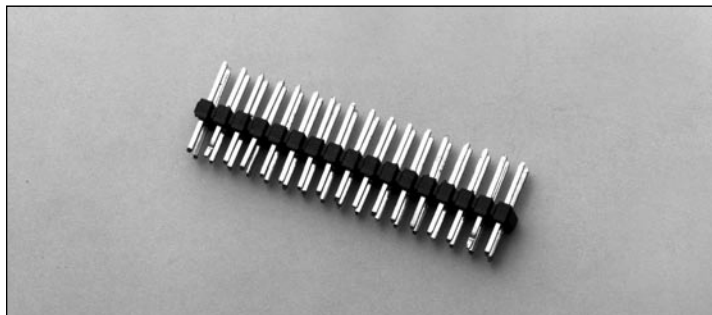
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# .100" (2.54mm) Dual Row, Through Hole, Vertical Header with Retention Tails



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

91XX-31-2XX-XX

PIN NUMBER  
(SEE TABLE II)

NUMBER OF POSITIONS PER ROW  
(SEE TABLE I)

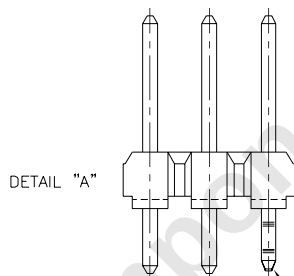
PIN PLATING  
(SEE NOTE 3)

INSULATOR MATERIAL (SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

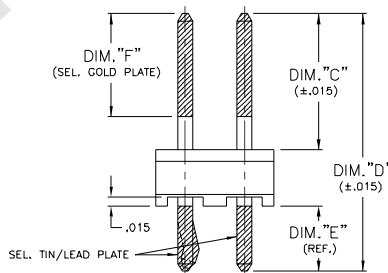
### NOTES:

- 1) INSULATOR MATERIAL: 910X - GLASS FILLED POLYESTER (PET); UL 94V-0; COLOR: BLACK  
911X - GLASS FILLED POLYESTER (PCT); UL 94V-0; COLOR: BLACK
- 2) PIN MATERIAL: PHOSPHOR BRONZE.
- 3) PIN FINISH: 9100 - TIN/LEAD OVER NICKEL PLATE;  
9102 - GOLD (.000015 THICK) OVER NICKEL PLATE (.000030 THICK);  
910B - SEL. GOLD (.000030 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK);  
910E - SEL. GOLD (.000015 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK).

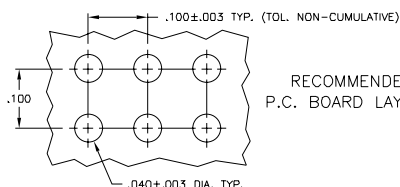
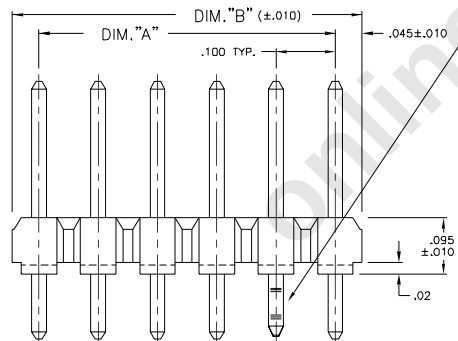
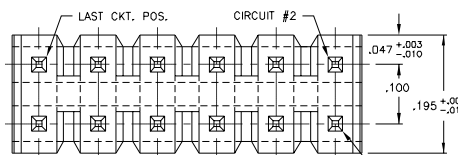


RETENTION TAIL TO BE FORMED AT POS. #1, TYPICAL FOR 2 & 4 POS. ASSEMBLIES; SEE TABLE I FOR 2ND FORMED TAIL LOCATION

1ST RETENTION TAIL TO BE FORMED AT POS. #3, TYPICAL FOR 5-THRU-80 POS. ASS'Y.; SEE TABLE I FOR 2ND & 3RD FORMED TAIL LOCATIONS; SEE DETAIL "A" FOR TAIL FORM CONFIGURATION FOR 2, 3 AND 4 POS. ASS'Y.



SEL. TIN/LEAD PLATE



RECOMMENDED  
P.C. BOARD LAYOUT

| PART No.       | DIM "C" | DIM "D" | DIM "E" | DIM "F" |
|----------------|---------|---------|---------|---------|
| 910X-31-2XX-01 | .230    | .435    | .110    | .160    |
| 910X-31-2XX-02 | .320    | .525    | .110    | .200    |
| 910X-31-2XX-03 | .820    | 1.030   | .115    | .200    |
| 910X-31-2XX-04 | .585    | .785    | .105    | .200    |

| PART No.       | No. OF POS. | DIM "A" | DIM "B" | 2ND TAIL POS. | 3RD TAIL POS. |
|----------------|-------------|---------|---------|---------------|---------------|
| 910X-31-201-XX | 2           | ---     | .090    | ---           | ---           |
| ↓ -202- ↓      | 4           | .100    | .190    | 3             | ---           |
| ↓ -203- ↓      | 6           | .200    | .290    | 5             | ---           |
| ↓ -204- ↓      | 8           | .300    | .390    | 7             | ---           |
| ↓ -205- ↓      | 10          | .400    | .490    | 7             | ---           |
| ↓ -206- ↓      | 12          | .500    | .590    | 9             | ---           |
| ↓ -207- ↓      | 14          | .600    | .690    | 11            | ---           |
| ↓ -208- ↓      | 16          | .700    | .790    | 13            | ---           |
| ↓ -209- ↓      | 18          | .800    | .890    | 15            | ---           |
| ↓ -210- ↓      | 20          | .900    | .990    | 17            | ---           |
| ↓ -211- ↓      | 22          | 1.000   | 1.090   | 19            | ---           |
| ↓ -212- ↓      | 24          | 1.100   | 1.190   | 21            | ---           |
| ↓ -213- ↓      | 26          | 1.200   | 1.290   | 23            | ---           |
| ↓ -214- ↓      | 28          | 1.300   | 1.390   | 25            | ---           |
| ↓ -215- ↓      | 30          | 1.400   | 1.490   | 27            | ---           |
| ↓ -216- ↓      | 32          | 1.500   | 1.590   | 29            | ---           |
| ↓ -217- ↓      | 34          | 1.600   | 1.690   | 31            | ---           |
| ↓ -218- ↓      | 36          | 1.700   | 1.790   | 33            | ---           |
| ↓ -219- ↓      | 38          | 1.800   | 1.890   | 35            | ---           |
| ↓ -220- ↓      | 40          | 1.900   | 1.990   | 37            | ---           |
| ↓ -221- ↓      | 42          | 2.000   | 2.090   | 39            | 21            |
| ↓ -222- ↓      | 44          | 2.100   | 2.190   | 41            | 21            |
| ↓ -223- ↓      | 46          | 2.200   | 2.290   | 43            | 23            |
| ↓ -224- ↓      | 48          | 2.300   | 2.390   | 45            | 23            |
| ↓ -225- ↓      | 50          | 2.400   | 2.490   | 47            | 25            |
| ↓ -226- ↓      | 52          | 2.500   | 2.590   | 49            | 25            |
| ↓ -227- ↓      | 54          | 2.600   | 2.690   | 51            | 27            |
| ↓ -228- ↓      | 56          | 2.700   | 2.790   | 53            | 27            |
| ↓ -229- ↓      | 58          | 2.800   | 2.890   | 55            | 29            |
| ↓ -230- ↓      | 60          | 2.900   | 2.990   | 57            | 29            |
| ↓ -231- ↓      | 62          | 3.000   | 3.090   | 59            | 31            |
| ↓ -232- ↓      | 64          | 3.100   | 3.190   | 61            | 31            |
| ↓ -233- ↓      | 66          | 3.200   | 3.290   | 63            | 33            |
| ↓ -234- ↓      | 68          | 3.300   | 3.390   | 65            | 33            |
| ↓ -235- ↓      | 70          | 3.400   | 3.490   | 67            | 35            |
| ↓ -236- ↓      | 72          | 3.500   | 3.590   | 69            | 35            |
| ↓ -237- ↓      | 74          | 3.600   | 3.690   | 71            | 37            |
| ↓ -238- ↓      | 76          | 3.700   | 3.790   | 73            | 37            |
| ↓ -239- ↓      | 78          | 3.800   | 3.890   | 75            | 39            |
| 910X-31-240-XX | 80          | 3.900   | 3.990   | 77            | 39            |



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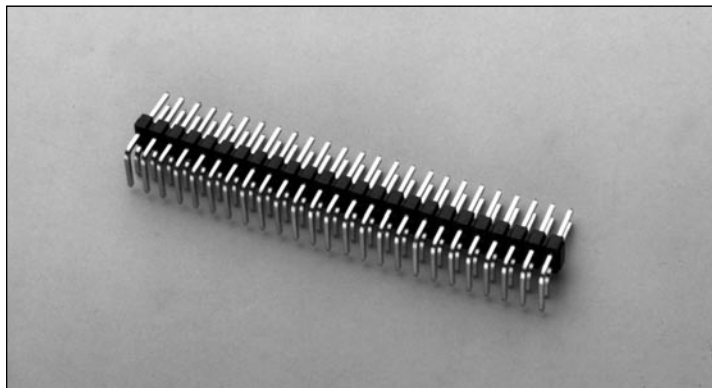
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# .100" (2.54mm) Dual Row, Through Hole, Right Angle, Low Profile Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-4-2XX-XX

**PIN NUMBER**  
(SEE TABLE II)

**NUMBER OF POSITIONS PER ROW**  
(SEE TABLE I)

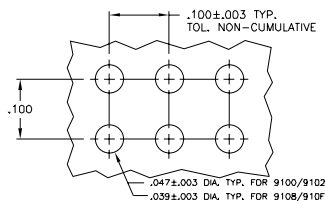
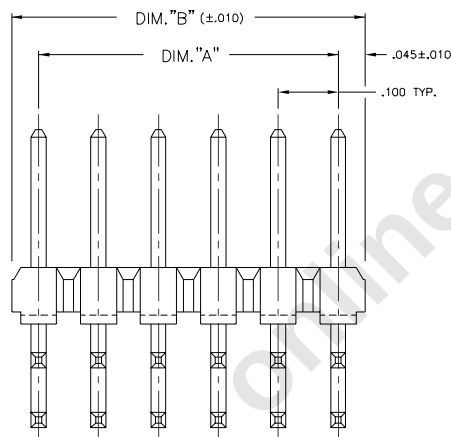
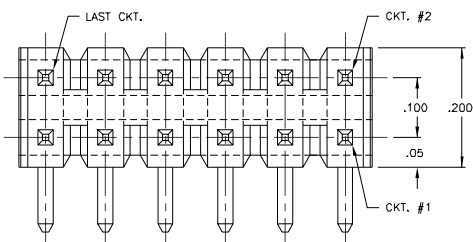
**PIN PLATING**  
(SEE NOTE 2)

**INSULATOR MATERIAL**  
(SEE NOTE 1)

### MATING CONNECTORS: 9000 SERIES

#### NOTES:

- 1) MATERIALS: INSULATOR - 910X - GLASS FILLED POLYESTER (PET); UL 94V-0; COLOR: BLACK  
911X - GLASS FILLED POLYESTER (PCT); UL 94V-0; COLOR: BLACK  
PINS - PHOSPHOR BRONZE.
- 2) PIN FINISH: 9100 - TIN/LEAD OVER NICKEL PLATE;  
9102 - GOLD (.000015 THICK) OVER NICKEL PLATE (.000030 THICK);  
9108 - SEL. GOLD (.000030 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK);  
910F - SEL. GOLD (.000015 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK);
- 3) PIN RETENTION: 2 LB. MINIMUM.



RECOMMENDED P.C. BOARD LAYOUT

| PART No.      | DIM "C" | DIM "D" | DIM "E" | DIM "F" | DIM "G" |
|---------------|---------|---------|---------|---------|---------|
| 910X-4-2XX-01 | .420    | .090    | .110    | .200    | .120    |
| 910X-4-2XX-02 | .240    | .065    | .092    | .200    | .120    |
| 910X-4-2XX-03 | .320    | .097    | .110    | .200    | .120    |
| 910X-4-2XX-04 | .230    | .060    | .083    | .200    | .120    |
| 910X-4-2XX-05 | .230    | .060    | .095    | .165    | .120    |

| PART No.      | No. OF POS. | DIM "A" | DIM "B" |
|---------------|-------------|---------|---------|
| 910X-4-202-XX | 4           | .100    | .190    |
| ↑ -203- ↓     | 6           | .200    | .290    |
| ↑ -204- ↓     | 8           | .300    | .390    |
| ↑ -205- ↓     | 10          | .400    | .490    |
| ↑ -206- ↓     | 12          | .500    | .590    |
| ↑ -207- ↓     | 14          | .600    | .690    |
| ↑ -208- ↓     | 16          | .700    | .790    |
| ↑ -209- ↓     | 18          | .800    | .890    |
| ↑ -210- ↓     | 20          | .900    | .990    |
| ↑ -211- ↓     | 22          | 1.000   | 1.090   |
| ↑ -212- ↓     | 24          | 1.100   | 1.190   |
| ↑ -213- ↓     | 26          | 1.200   | 1.290   |
| ↑ -214- ↓     | 28          | 1.300   | 1.390   |
| ↑ -215- ↓     | 30          | 1.400   | 1.490   |
| ↑ -216- ↓     | 32          | 1.500   | 1.590   |
| ↑ -217- ↓     | 34          | 1.600   | 1.690   |
| ↑ -218- ↓     | 36          | 1.700   | 1.790   |
| ↑ -219- ↓     | 38          | 1.800   | 1.890   |
| ↑ -220- ↓     | 40          | 1.900   | 1.990   |
| ↑ -221- ↓     | 42          | 2.000   | 2.090   |
| ↑ -222- ↓     | 44          | 2.100   | 2.190   |
| ↑ -223- ↓     | 46          | 2.200   | 2.290   |
| ↑ -224- ↓     | 48          | 2.300   | 2.390   |
| ↑ -225- ↓     | 50          | 2.400   | 2.490   |
| ↑ -226- ↓     | 52          | 2.500   | 2.590   |
| ↑ -227- ↓     | 54          | 2.600   | 2.690   |
| ↑ -228- ↓     | 56          | 2.700   | 2.790   |
| ↑ -229- ↓     | 58          | 2.800   | 2.890   |
| ↑ -230- ↓     | 60          | 2.900   | 2.990   |
| ↑ -231- ↓     | 62          | 3.000   | 3.090   |
| ↑ -232- ↓     | 64          | 3.100   | 3.190   |
| ↑ -233- ↓     | 66          | 3.200   | 3.290   |
| ↑ -234- ↓     | 68          | 3.300   | 3.390   |
| ↑ -235- ↓     | 70          | 3.400   | 3.490   |
| ↑ -236- ↓     | 72          | 3.500   | 3.590   |
| ↑ -237- ↓     | 74          | 3.600   | 3.690   |
| ↑ -238- ↓     | 76          | 3.700   | 3.790   |
| ↑ -239- ↓     | 78          | 3.800   | 3.890   |
| 910X-4-240-XX | 80          | 3.900   | 3.990   |



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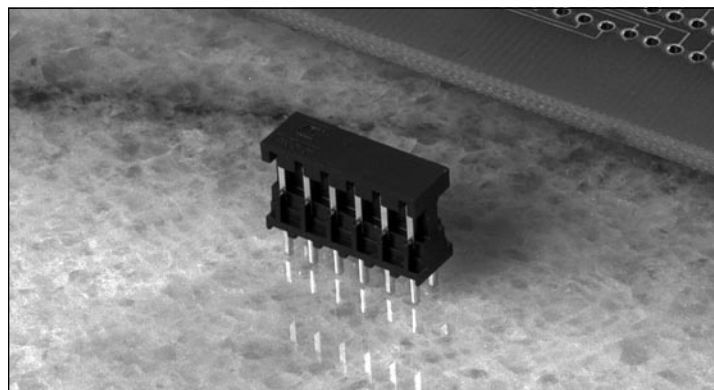
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# .100" (2.54mm) Dual Row, Through Hole, Vertical Zero Height Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 910X-61-2XX-XX

**PIN NUMBER**  
(SEE TABLE 2)

**NUMBER OF POSITIONS PER ROW**  
(SEE TABLE I)

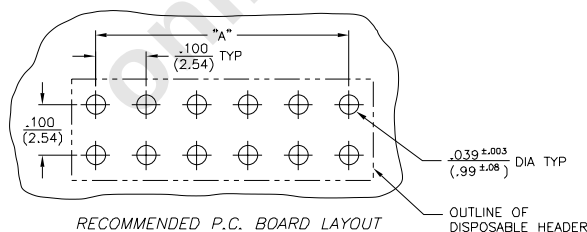
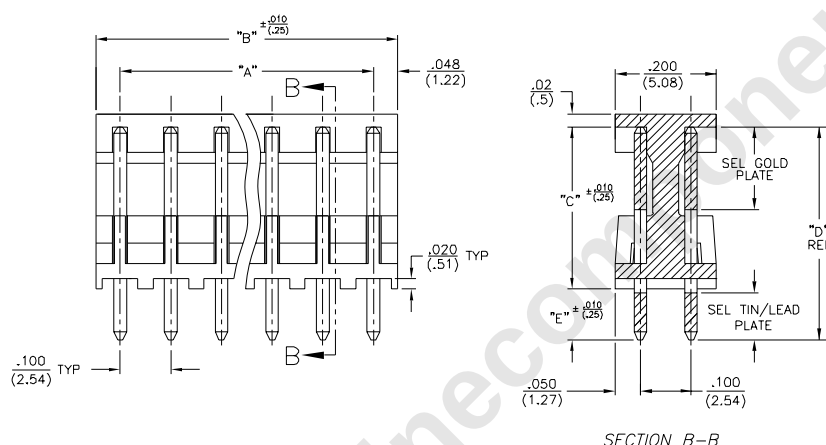
**PIN PLATING**  
(SEE NOTE 3)

**INSULATOR MATERIAL**  
(SEE NOTE 1)

### MATING CONNECTORS: 9000 SERIES

### NOTES:

- INSULATOR MAT'L: GLASS REINFORCED POLYESTER (PCT), UL 94V-0; COLOR: BLACK
- PIN MAT'L: PHOSPHOR BRONZE
- PIN FINISH:
  - 9100 - TIN/LEAD OVER NICKEL PLATE.
  - 9102 - .00015 (0.0038) GOLD OVER .00050 (0.0127) NICKEL PLATE.
  - 9108 - .00030 (0.0076) SEL GOLD PLATING AS INDICATED OVER .00050 (0.0127) NICKEL PLATE ALL OVER; MIN TIN/LEAD PLATING ON SOLDER TAIL.
  - 910F - .00015 (0.0038) SEL GOLD PLATING AS INDICATED OVER .00050 (0.0127) NICKEL PLATE ALL OVER; MIN TIN/LEAD PLATING ON SOLDER TAIL.
- ALL DIMENSIONS ARE IN IN/(MM).



| PART NUMBER    | DIM "C"     | DIM "D"      | DIM "E"     |
|----------------|-------------|--------------|-------------|
| 910X-61-2XX-01 | .320 (8.13) | .440 (11.18) | .120 (3.05) |
| 910X-61-2XX-02 | .230 (5.84) | .340 (8.64)  | .110 (2.79) |
| 910X-61-2XX-03 | .285 (7.24) | .390 (9.91)  | .105 (2.67) |

| PART NUMBER    | NO. OF PINS | DIM "A"       | DIM "B"       |
|----------------|-------------|---------------|---------------|
| 910X-61-202-XX | 4           | .100 (2.54)   | .195 (4.95)   |
| -203-          | 6           | .200 (5.08)   | .295 (7.49)   |
| -204-          | 8           | .300 (7.62)   | .395 (10.03)  |
| -205-          | 10          | .400 (10.16)  | .495 (12.57)  |
| -206-          | 12          | .500 (12.70)  | .595 (15.11)  |
| -207-          | 14          | .600 (15.24)  | .695 (17.65)  |
| -208-          | 16          | .700 (17.78)  | .795 (20.19)  |
| -209-          | 18          | .800 (20.32)  | .895 (22.73)  |
| -210-          | 20          | .900 (22.86)  | .995 (25.27)  |
| -211-          | 22          | 1.000 (25.40) | 1.095 (27.81) |
| -212-          | 24          | 1.100 (27.94) | 1.195 (30.35) |
| -213-          | 26          | 1.200 (30.48) | 1.295 (32.89) |
| -214-          | 28          | 1.300 (33.02) | 1.395 (35.43) |
| -215-          | 30          | 1.400 (35.56) | 1.495 (37.97) |
| -216-          | 32          | 1.500 (38.10) | 1.595 (40.51) |
| -217-          | 34          | 1.600 (40.64) | 1.695 (43.05) |
| -218-          | 36          | 1.700 (43.18) | 1.795 (45.59) |
| -219-          | 38          | 1.800 (45.72) | 1.895 (48.13) |
| -220-          | 40          | 1.900 (48.26) | 1.995 (50.67) |
| -221-          | 42          | 2.000 (50.80) | 2.095 (53.21) |
| -222-          | 44          | 2.100 (53.34) | 2.195 (55.75) |
| -223-          | 46          | 2.200 (55.88) | 2.295 (58.29) |
| -224-          | 48          | 2.300 (58.42) | 2.395 (60.83) |
| 910X-61-225-XX | 50          | 2.400 (60.96) | 2.495 (63.37) |



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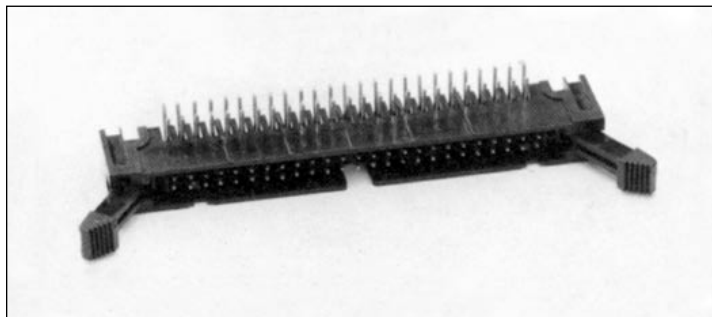
1 Tuas Lane, Jurong Town • Singapore 638610

65-68615444 • Fax: 65-68614777

Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Dual Row, Through Hole, Right Angle Shrouded Header with Ejector Lever



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

91XX-X5-2XX-01

NUMBER OF POSITIONS  
(SEE TABLE II)

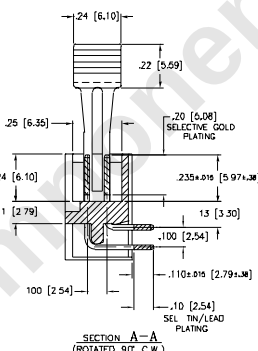
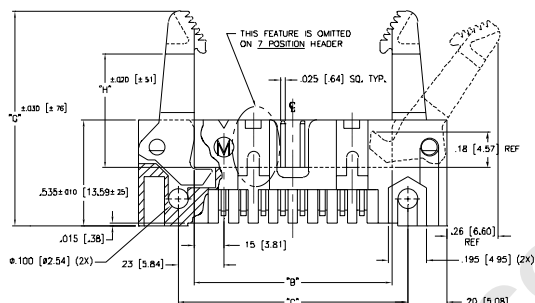
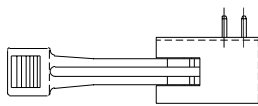
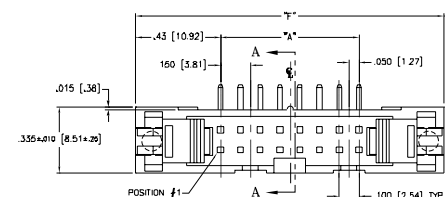
EJECTOR TYPE  
(SEE TABLE I)

PIN PLATING  
(SEE NOTE 4)

INSULATOR MATERIAL  
(SEE NOTE 2)

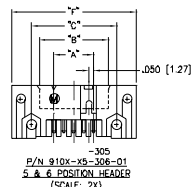
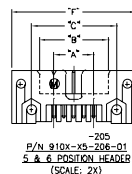
### NOTES:

- ALL DIMENSIONS ARE IN IN./MM.
- INSULATOR MATERIAL: GLASS-FILLED POLYESTER
- PIN MATERIAL: PHOSPHOR BRONZE
- PIN FINISH:
  - 9100 - TIN/LEAD OVER NICKEL PLATE
  - 9100 - 000050 NICKEL PLATE ALL OVER
  - 000030 SELECTIVE GOLD IN MATING AREA, 0001-0002 SEL. TIN/LEAD ON SOLDER TAIL
  - 9100 - 000050 NICKEL PLATE ALL OVER
  - 000015 SELECTIVE GOLD IN MATING AREA, 0001-0002 SEL. TIN/LEAD ON SOLDER TAIL
- MAXIMUM DISTANCE FROM EDGE OF P.C. BOARD FOR DASH-CHAIN APPLICATION.



| PART NO.       | DIM. "A"      | DIM. "H"    |
|----------------|---------------|-------------|
| 910X-15-XXX-01 | 1.090 [27.69] | 576 [14.63] |
| 910X-45-XXX-01 | .940 [23.88]  | 426 [10.82] |

| PART NO.       | NO. OF CIRCITS | DIM. "A"      | DIM. "B"      | DIM. "C"      | DIM. "E"      | DIM. "F"       |
|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| 910X-X5-X05-01 | 10             | 400 [10.16]   | 800 [20.32]   | 1.000 [25.40] | 1.100 [27.94] | 1.260 [32.00]  |
| -X08-          | 12             | 500 [12.70]   | 800 [20.32]   | 1.000 [25.40] | 1.200 [30.48] | 1.360 [34.54]  |
| -207-          | 14             | 600 [15.24]   | 900 [22.86]   | 1.060 [26.92] | 1.300 [33.02] | 1.460 [37.08]  |
| -208-          | 16             | 700 [17.78]   | 1,000 [25.40] | 1.160 [29.46] | 1.400 [35.56] | 1.560 [39.62]  |
| -209-          | 18             | 800 [20.32]   | 1,100 [27.94] | 1.260 [32.00] | 1.500 [38.10] | 1.660 [42.16]  |
| -210-          | 20             | 900 [22.86]   | 1,200 [30.48] | 1.360 [34.54] | 1.600 [40.64] | 1.760 [44.70]  |
| -211-          | 22             | 1,000 [25.40] | 1,300 [33.02] | 1.460 [37.08] | 1.700 [43.18] | 1.860 [47.24]  |
| -212-          | 24             | 1,100 [27.94] | 1,400 [35.56] | 1.560 [39.62] | 1.800 [45.72] | 1.960 [49.78]  |
| -213-          | 26             | 1,200 [30.48] | 1,500 [38.10] | 1.660 [42.16] | 1.900 [48.26] | 2.060 [52.32]  |
| -214-          | 28             | 1,300 [33.02] | 1,600 [40.64] | 1.760 [44.70] | 2,000 [50.80] | 2.160 [54.86]  |
| -215-          | 30             | 1,400 [35.56] | 1,700 [43.18] | 1.860 [47.24] | 2,100 [53.34] | 2.260 [57.40]  |
| -216-          | 32             | 1,500 [38.10] | 1,800 [45.72] | 1.960 [49.78] | 2,200 [55.88] | 2.360 [59.94]  |
| -217-          | 34             | 1,600 [40.64] | 1,900 [48.26] | 2,060 [52.32] | 2,300 [58.42] | 2,460 [62.48]  |
| -218-          | 36             | 1,700 [43.18] | 2,000 [50.80] | 2,160 [54.86] | 2,400 [60.96] | 2,560 [65.02]  |
| -219-          | 38             | 1,800 [45.72] | 2,100 [53.34] | 2,260 [57.40] | 2,500 [63.50] | 2,660 [67.56]  |
| -220-          | 40             | 1,900 [48.26] | 2,200 [55.88] | 2,360 [59.94] | 2,600 [66.04] | 2,760 [70.10]  |
| -221-          | 42             | 2,000 [50.80] | 2,300 [58.42] | 2,460 [62.48] | 2,700 [68.58] | 2,860 [72.64]  |
| -222-          | 44             | 2,100 [53.34] | 2,400 [60.96] | 2,560 [65.02] | 2,800 [71.12] | 2,960 [75.18]  |
| -223-          | 46             | 2,200 [55.88] | 2,500 [63.50] | 2,660 [67.56] | 2,900 [73.66] | 3,060 [77.72]  |
| -224-          | 48             | 2,300 [58.42] | 2,600 [66.04] | 2,760 [70.10] | 3,000 [76.20] | 3,160 [80.26]  |
| -225-          | 50             | 2,400 [60.96] | 2,700 [68.58] | 2,860 [72.64] | 3,100 [78.74] | 3,260 [82.80]  |
| -226-          | 52             | 2,500 [63.50] | 2,800 [71.12] | 2,960 [75.18] | 3,200 [81.28] | 3,360 [85.34]  |
| -227-          | 54             | 2,600 [66.04] | 2,900 [73.66] | 3,060 [77.72] | 3,300 [83.82] | 3,460 [87.88]  |
| -228-          | 56             | 2,700 [68.58] | 3,000 [76.20] | 3,160 [80.26] | 3,400 [86.36] | 3,560 [90.42]  |
| -229-          | 58             | 2,800 [71.12] | 3,100 [78.74] | 3,260 [82.80] | 3,500 [88.90] | 3,660 [92.96]  |
| -230-          | 60             | 2,900 [73.66] | 3,200 [81.28] | 3,360 [85.34] | 3,600 [91.44] | 3,760 [95.50]  |
| -231-          | 62             | 3,000 [76.20] | 3,300 [83.82] | 3,460 [87.88] | 3,700 [93.98] | 3,860 [98.04]  |
| 910X-X5-232-01 | 64             | 3,100 [78.74] | 3,400 [86.36] | 3,560 [90.42] | 3,800 [96.52] | 3,960 [100.58] |



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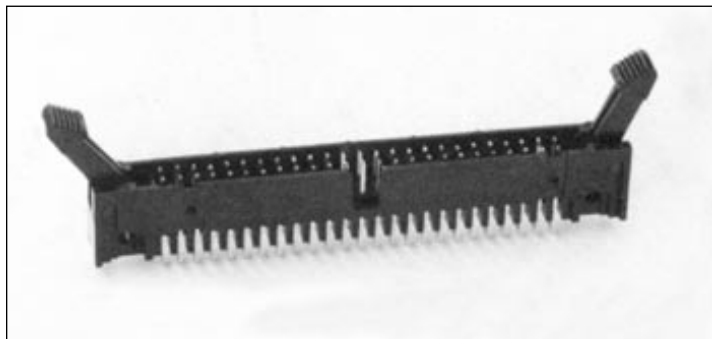
1 Tuas Lane, Jurong Town • Singapore 638610

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Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Dual Row, Through Hole, Vertical Shrouded Header with Ejector Lever



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

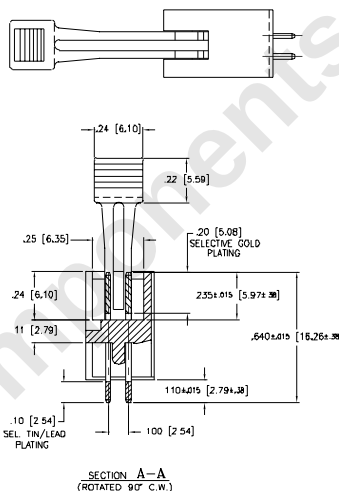
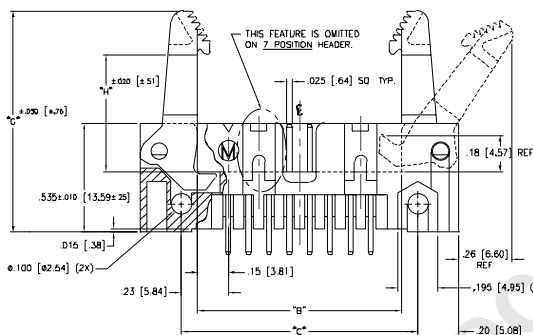
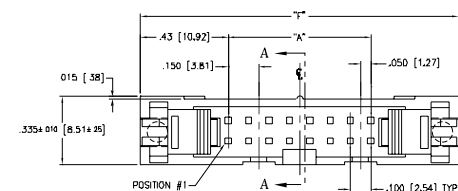
910X-X6-2XX-01

NUMBER OF POSITIONS  
(SEE TABLE II)

EJECTOR TYPE  
(SEE TABLE I)

PIN PLATING  
(SEE NOTE 4)

INSULATOR MATERIAL  
(SEE NOTE 2)



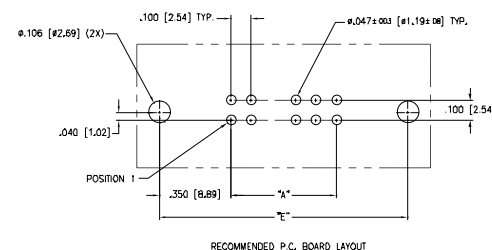
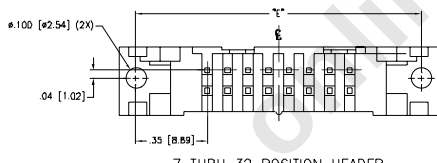
### NOTES

- ALL DIMENSIONS ARE IN IN / (MM)
- INSULATOR MATERIAL - GLASS-FILLED POLYESTER
- PIN MATERIAL : PHOSPHOR BRONZE.
- PIN FINISH:  
9100 - TIN/LEAD OVER NICKEL PLATE  
910E - .000050 NICKEL PLATE ALL OVER;  
.000030 SELECTIVE GOLD IN MATING AREA, .0001-.0002 SEL. TIN/LEAD ON SOLDER TAIL.  
910E - .000050 NICKEL PLATE ALL OVER;  
.000015 SELECTIVE GOLD IN MATING AREA, .0001-.0002 SEL. TIN/LEAD ON SOLDER TAIL.

| PART NO.       | DIM. "C"      | DIM. "H"     |
|----------------|---------------|--------------|
| 910X-X6-XXX-01 | 1.090 [27.69] | .576 [14.63] |
| 910X-X6-XXX-01 | .940 [23.98]  | .428 [10.82] |

TABLE II

| PART NO.       | NO. OF CIRCUITS | DIM. "A"      | DIM. "B"      | DIM. "C"      | DIM. "E"      | DIM. "H"       |
|----------------|-----------------|---------------|---------------|---------------|---------------|----------------|
| 910X-X6-X05-01 | 10              | .400 [10.16]  | .700 [17.78]  | .860 [21.84]  | 1.100 [27.94] | 1.260 [32.00]  |
| -X06-          | 12              | .500 [12.70]  | .800 [20.32]  | .960 [24.38]  | 1.200 [30.48] | 1.360 [34.54]  |
| -207-          | 14              | .600 [15.24]  | .900 [22.86]  | 1.060 [26.92] | 1.300 [33.02] | 1.460 [37.08]  |
| -208-          | 16              | .700 [17.78]  | 1.000 [25.40] | 1.160 [29.46] | 1.400 [35.56] | 1.560 [39.62]  |
| -209-          | 18              | .800 [20.32]  | 1.100 [27.94] | 1.260 [32.00] | 1.500 [38.10] | 1.660 [42.16]  |
| -210-          | 20              | .900 [22.86]  | 1.200 [30.48] | 1.360 [34.54] | 1.600 [40.64] | 1.760 [44.70]  |
| -211-          | 22              | 1.000 [25.40] | 1.300 [33.02] | 1.460 [37.08] | 1.700 [43.18] | 1.860 [47.24]  |
| -212-          | 24              | 1.100 [27.94] | 1.400 [35.56] | 1.560 [39.62] | 1.800 [45.72] | 1.960 [49.78]  |
| -213-          | 26              | 1.200 [30.48] | 1.500 [38.10] | 1.660 [42.16] | 1.900 [48.26] | 2.060 [52.32]  |
| -214-          | 28              | 1.300 [33.02] | 1.600 [40.64] | 1.760 [44.70] | 2.000 [50.80] | 2.160 [54.86]  |
| -215-          | 30              | 1.400 [35.56] | 1.700 [43.18] | 1.860 [47.24] | 2.100 [53.34] | 2.260 [57.40]  |
| -216-          | 32              | 1.500 [38.10] | 1.800 [45.72] | 1.960 [49.78] | 2.200 [55.88] | 2.360 [59.94]  |
| -217-          | 34              | 1.600 [40.64] | 1.900 [48.26] | 2.060 [52.32] | 2.300 [58.42] | 2.460 [62.48]  |
| -218-          | 36              | 1.700 [43.18] | 2.000 [50.80] | 2.160 [54.86] | 2.400 [60.96] | 2.560 [65.02]  |
| -219-          | 38              | 1.800 [45.72] | 2.100 [53.34] | 2.260 [57.40] | 2.500 [63.50] | 2.660 [67.56]  |
| -220-          | 40              | 1.900 [48.26] | 2.200 [55.88] | 2.360 [59.94] | 2.600 [66.04] | 2.760 [70.10]  |
| -221-          | 42              | 2.000 [50.80] | 2.300 [58.42] | 2.460 [62.48] | 2.700 [68.58] | 2.860 [72.64]  |
| -222-          | 44              | 2.100 [53.34] | 2.400 [60.96] | 2.560 [65.02] | 2.800 [71.12] | 2.960 [75.18]  |
| -223-          | 46              | 2.200 [55.88] | 2.500 [63.50] | 2.660 [67.56] | 2.900 [73.66] | 3.060 [77.72]  |
| -224-          | 48              | 2.300 [58.42] | 2.600 [66.04] | 2.760 [70.10] | 3.000 [76.20] | 3.160 [80.26]  |
| -225-          | 50              | 2.400 [60.96] | 2.700 [68.58] | 2.860 [72.64] | 3.100 [78.74] | 3.260 [82.80]  |
| -226-          | 52              | 2.500 [63.50] | 2.800 [71.12] | 2.960 [75.18] | 3.200 [81.28] | 3.360 [85.34]  |
| -227-          | 54              | 2.600 [66.04] | 2.900 [73.66] | 3.060 [77.72] | 3.300 [83.82] | 3.460 [87.88]  |
| -228-          | 56              | 2.700 [68.58] | 3.000 [76.20] | 3.160 [80.26] | 3.400 [86.36] | 3.560 [90.42]  |
| -229-          | 58              | 2.800 [71.12] | 3.100 [78.74] | 3.260 [82.80] | 3.500 [88.90] | 3.660 [92.96]  |
| -230-          | 60              | 2.900 [73.66] | 3.200 [81.28] | 3.360 [85.34] | 3.600 [91.44] | 3.760 [95.50]  |
| -231-          | 62              | 3.000 [76.20] | 3.300 [83.82] | 3.460 [87.88] | 3.700 [93.98] | 3.860 [98.04]  |
| 910X-X6-232-01 | 64              | 3.100 [78.74] | 3.400 [86.36] | 3.560 [90.42] | 3.800 [96.52] | 3.960 [100.58] |



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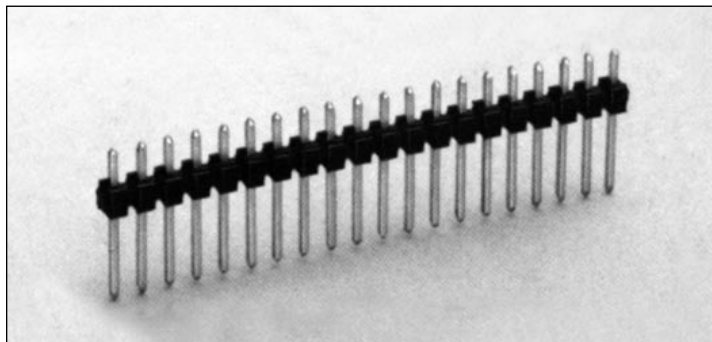
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# .100" (2.54mm) Single Row, Through Hole, Vertical Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-1-1XX-XX

**PIN NUMBER**  
(SEE TABLE II)

**NUMBER OF POSITIONS**  
(SEE TABLE I)

**PIN PLATING**  
(SEE NOTE 3)

**INSULATOR MATERIAL**  
(SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

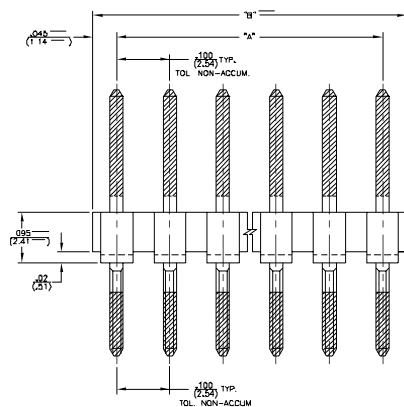
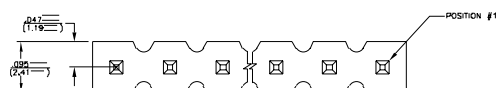


FIGURE I  
(FOR SEL. PLATED PINS ONLY)  
P/N'S: 91X2, 91X2-1-1XX-XX

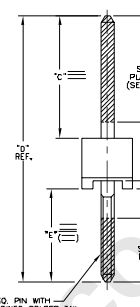
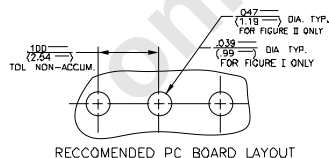
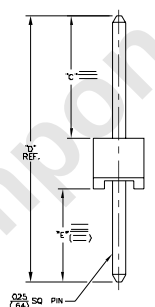


FIGURE II  
(FOR OVERALL PLATED PINS ONLY)  
P/N'S: 91X2 & 91X2-1-1XX-XX



### NOTES:

- INSULATOR MATERIAL:  
910X-1-1XX-XX - POLYESTER (PET), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK  
911X-1-1XX-XX - POLYESTER (PCT), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK  
912X-1-1XX-XX - .000150/.0003 BRITTE TIN OVER .000050/.000100 NICKEL PLATE  
913X-1-1XX-XX - .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000100 NICKEL PLATE ALL OVER: .00017/.00022 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.  
914X-1-1XX-XX - .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000100 NICKEL PLATE ALL OVER: .00017/.00022 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.
- PIN MATERIAL: PHOSPHOR BRONZE
- PIN FINISH: 910X-1-1XX-XX - .000150/.0003 BRITTE TIN OVER .000050/.000100 NICKEL PLATE  
911X-1-1XX-XX - .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000100 NICKEL PLATE ALL OVER: .00017/.00022 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.  
912X-1-1XX-XX - .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000100 NICKEL PLATE ALL OVER: .00017/.00022 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.  
913X-1-1XX-XX - .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000100 NICKEL PLATE ALL OVER: .00017/.00022 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.  
914X-1-1XX-XX - .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER .000050/.000100 NICKEL PLATE ALL OVER: .00017/.00022 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS PER DRWG.
- ALL DIMS ARE IN IN./MM.
- PIN RETENTION: 2 LB. MINIMUM

| TABLE II      |                |                |               |               |               |         |         |         |         |
|---------------|----------------|----------------|---------------|---------------|---------------|---------|---------|---------|---------|
| PART NUMBER   | DIM "A"        | DIM "B"        | DIM "C"       | DIM "D"       | DIM "E"       | DIM "F" | DIM "G" | DIM "H" | DIM "I" |
| 91XX-1-1XX-01 | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -02           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -03           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -04           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -05           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -06           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -07           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -08           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -09           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -10           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -11           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -12           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -13           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -14           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -15           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -16           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -17           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -18           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -19           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -20           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -21           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -22           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -23           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -24           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -25           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -26           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -27           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -28           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -29           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -30           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -31           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -32           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -33           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -34           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| -35           | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |
| 91XX-1-1XX-36 | 2.30<br>(5.84) | 500<br>(12.70) | 175<br>(4.43) | 200<br>(5.08) | 190<br>(4.83) |         |         |         |         |

| TABLE I       |                  |               |                |
|---------------|------------------|---------------|----------------|
| PART NUMBER   | NO. OF POSITIONS | DIM. "A"      | DIM. "B"       |
| 91XX-1-102-XX | 2                | .100/(2.54)   | .190/(4.83)    |
| -103-XX       | 3                | .200/(5.08)   | .280/(7.13)    |
| -104-XX       | 4                | .300/(7.62)   | .380/(9.65)    |
| -105-XX       | 5                | .400/(10.16)  | .480/(12.19)   |
| -106-XX       | 6                | .500/(12.70)  | .580/(14.73)   |
| -107-XX       | 7                | .600/(15.24)  | .680/(17.27)   |
| -108-XX       | 8                | .700/(17.78)  | .780/(19.81)   |
| -109-XX       | 9                | .800/(20.32)  | .880/(22.35)   |
| -110-XX       | 10               | .900/(22.86)  | .980/(24.89)   |
| -111-XX       | 11               | 1.000/(25.40) | 1.080/(27.43)  |
| -112-XX       | 12               | 1.100/(27.94) | 1.180/(30.00)  |
| -113-XX       | 13               | 1.200/(30.48) | 1.280/(32.54)  |
| -114-XX       | 14               | 1.300/(33.02) | 1.380/(35.08)  |
| -115-XX       | 15               | 1.400/(35.56) | 1.480/(37.62)  |
| -116-XX       | 16               | 1.500/(38.10) | 1.580/(40.16)  |
| -117-XX       | 17               | 1.600/(40.64) | 1.680/(42.70)  |
| -118-XX       | 18               | 1.700/(43.18) | 1.780/(45.24)  |
| -119-XX       | 19               | 1.800/(45.72) | 1.880/(47.78)  |
| -120-XX       | 20               | 1.900/(48.26) | 1.980/(50.32)  |
| -121-XX       | 21               | 2.000/(50.80) | 2.080/(52.86)  |
| -122-XX       | 22               | 2.100/(53.34) | 2.180/(55.40)  |
| -123-XX       | 23               | 2.200/(55.88) | 2.280/(57.94)  |
| -124-XX       | 24               | 2.300/(58.42) | 2.380/(60.48)  |
| -125-XX       | 25               | 2.400/(60.96) | 2.480/(63.02)  |
| -126-XX       | 26               | 2.500/(63.50) | 2.580/(65.56)  |
| -127-XX       | 27               | 2.600/(66.04) | 2.680/(68.10)  |
| -128-XX       | 28               | 2.700/(68.58) | 2.780/(70.64)  |
| -129-XX       | 29               | 2.800/(71.12) | 2.880/(73.18)  |
| -130-XX       | 30               | 2.900/(73.66) | 2.980/(75.72)  |
| -131-XX       | 31               | 3.000/(76.20) | 3.080/(78.26)  |
| -132-XX       | 32               | 3.100/(78.74) | 3.180/(80.80)  |
| -133-XX       | 33               | 3.200/(81.28) | 3.280/(83.34)  |
| -134-XX       | 34               | 3.300/(83.82) | 3.380/(85.88)  |
| -135-XX       | 35               | 3.400/(86.36) | 3.480/(88.42)  |
| -136-XX       | 36               | 3.500/(88.90) | 3.580/(90.96)  |
| -137-XX       | 37               | 3.600/(91.44) | 3.680/(93.50)  |
| -138-XX       | 38               | 3.700/(93.98) | 3.780/(96.04)  |
| -139-XX       | 39               | 3.800/(96.52) | 3.880/(98.58)  |
| 91XX-1-140-XX | 40               | 3.900/(99.06) | 3.980/(101.12) |



- **PIN NUMBER** (SEE TABLE 2)
- **NUMBER OF POSITIONS PER ROW** (SEE TABLE 1)
- **PIN PLATING** (SEE NOTE 3)
- **INSULATOR MATERIAL** (SEE NOTE 1)

Figure 1 is a schematic diagram of a multi-circuit printed circuit board (PCB) layout. The board is rectangular and divided into three main sections: "LAST CIRCUIT" on the left, "CIRCUIT No. 2" in the middle, and "CIRCUIT No. 1" on the right. Each section contains two rows of square components. Dimension lines indicate a width of 0.47 REF and a height of .100 and .135 REF.

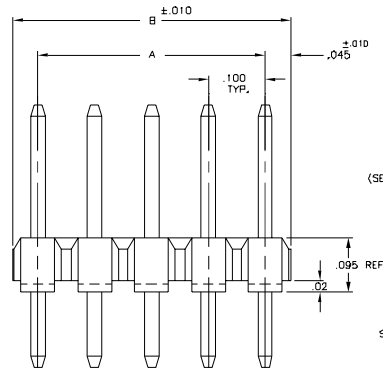
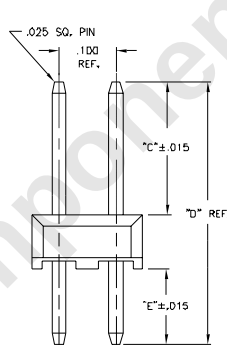
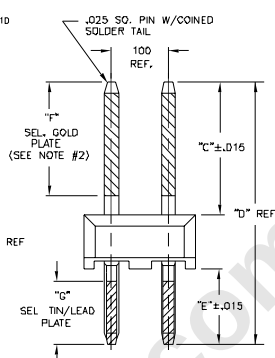


FIGURE 2  
(FOR OVERALL PLATED PINS ONLY)  
P/N's 91X0, 91X2 AND 91X7

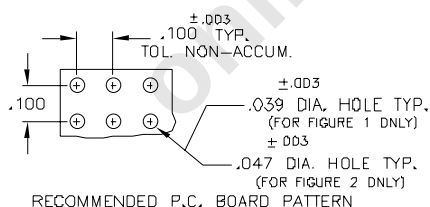


△4 OMIT,X ASSIGNED WHEN TOTAL NUMBER OF P/N CHARACTERS EXCEEDS 20.

| PART NUMBER       | POS. # WITH PINS OMITTED  |
|-------------------|---------------------------|
| 910F121402-OMIT,A | 5, 6, 7, 11, 13, 19, 20   |
| 910F121402-OMIT,B | 9, 10, 15, 17, 21, 23, 24 |

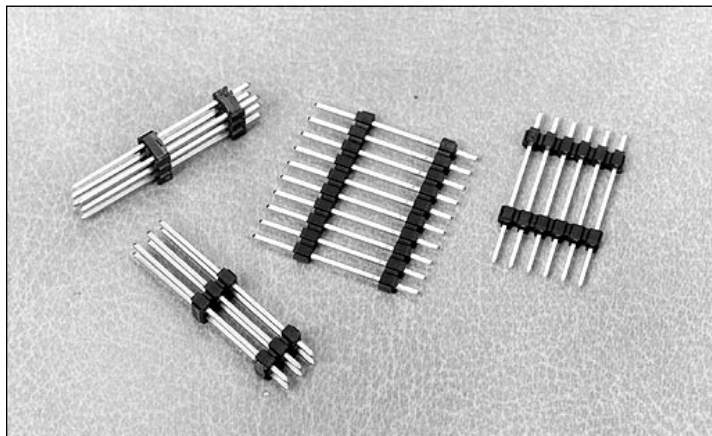
| PART NUMBER   | —  | DIM. A | DIM. B |
|---------------|----|--------|--------|
| 91XX-1-202-XX | 4  | 1.100  | 1.900  |
| —203-         | 6  | 2.200  | 2.900  |
| —204-         | 8  | 3.300  | 3.900  |
| —205-         | 10 | 4.400  | 4.900  |
| —206-         | 12 | 5.500  | 5.900  |
| —207-         | 14 | 6.600  | 6.900  |
| —208-         | 16 | 7.700  | 7.900  |
| —209-         | 18 | 8.800  | 8.900  |
| —210-         | 20 | 9.900  | 9.900  |
| —211-         | 22 | 1.000  | 1.090  |
| —212-         | 24 | 1.100  | 1.190  |
| —213-         | 26 | 1.200  | 1.290  |
| —214-         | 28 | 1.300  | 1.390  |
| —215-         | 30 | 1.400  | 1.490  |
| —216-         | 32 | 1.500  | 1.590  |
| —217-         | 34 | 1.600  | 1.690  |
| —218-         | 36 | 1.700  | 1.790  |
| —219-         | 38 | 1.800  | 1.890  |
| —220-         | 40 | 1.900  | 1.990  |
| —221-         | 42 | 2.000  | 2.090  |
| —222-         | 44 | 2.100  | 2.190  |
| —223-         | 46 | 2.200  | 2.290  |
| —224-         | 48 | 2.300  | 2.390  |
| —225-         | 50 | 2.400  | 2.490  |
| —226-         | 52 | 2.500  | 2.590  |
| —227-         | 54 | 2.600  | 2.690  |
| —228-         | 56 | 2.700  | 2.790  |
| —229-         | 58 | 2.800  | 2.890  |
| —230-         | 60 | 2.900  | 2.990  |
| —231-         | 62 | 3.000  | 3.090  |
| —232-         | 64 | 3.100  | 3.190  |
| —233-         | 66 | 3.200  | 3.290  |
| —234-         | 68 | 3.300  | 3.390  |
| —235-         | 70 | 3.400  | 3.490  |
| —236-         | 72 | 3.500  | 3.590  |
| —237-         | 74 | 3.600  | 3.690  |
| —238-         | 76 | 3.700  | 3.790  |
| —239-         | 78 | 3.800  | 3.890  |
| 91XX-1-240-XX | 80 | 9.900  | 9.900  |

| PART NUMBER   | DIM.<br>C   | DIM D REF | DIM.<br>E   | DIM.<br>F | DIM.<br>G |
|---------------|-------------|-----------|-------------|-----------|-----------|
| 91XX-1-2XX-01 | .230        | .500      | .175        | .200      | .190      |
| -02           | .230        | .435      | .110        | .165      | .120      |
| -03           | 320         | .590      | .175        | .200      | .190      |
| -04           | 320         | .525      | .110        | .200      | .120      |
| -05           | .600        | .700      | .105        | .200      | .120      |
| -06           | .250        | .440      | .095        | .160      | .110      |
| -07           | .380        | .650      | .117        | —         | —         |
| -08           | .380        | .600      | .115        | .200      | .120      |
| -09           | .318        | .940      | .527        | —         | —         |
| -10           | .355        | .560      | .110        | .200      | .120      |
| -11           | .715        | .940      | .130        | —         | —         |
| -12           | .555        | .755      | .105        | .200      | .120      |
| -13           | .620        | .735      | .110        | .200      | .120      |
| -14           | .520        | .825      | .210        | .200      | .120      |
| -15           | .400 ± .010 | .610      | .115 ± .012 | .200      | .120      |
| -16           | .675        | .898      | .128        | —         | —         |
| -17           | .460        | .825      | .270        | —         | —         |
| -18           | .250        | .300      | .085        | —         | —         |
| -19           | .230        | .590      | .265        | .200      | .120      |
| -20           | .369        | .700      | .236        | —         | —         |
| -21           | .430        | .640      | .115 ± .015 | .200      | .120      |
| -22           | .318        | .530      | .117        | .200      | .120      |
| -23           | .370        | .615      | .050        | —         | —         |
| -24           | .580        | .590      | .115        | —         | —         |
| -25           | .720 ± .008 | .940      | .126        | .200      | .150      |
| -26           | .548        | .910      | .267        | —         | —         |
| -27           | .620 ± .008 | .810      | .10 ± .13   | .200      | .120      |
| -28           | .300 ± .008 | .530      | .10 ± .14   | .200      | .120      |
| -29           | .639        | .842      | .109        | —         | —         |
| -30           | .649        | .860      | .118        | —         | —         |
| -31           | .320        | .630      | .210        | .200      | .120      |
| -32           | .230 ± .008 | .440      | .115        | .160      | .120      |
| -33           | .420 ± .008 | .625      | .110 ± .010 | .200      | .120      |
| -34           | .205 ± .008 | .415      | .115 ± .015 | .160      | .120      |
| -35           | .250 ± .008 | .450      | .106 ± .015 | —         | —         |
| 91XX-1-2XX-36 | .820        | 1.03      | .115        | .200      | .120      |





# .100" (2.54mm) Single Row Custom Double Insulator Headers



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-14-1XX-XXX

ASSIGNED BY METHODE REPRESENTING DIMS A, B, C

NUMBER OF POSITIONS  
(SEE TABLE)

PIN PLATING  
(SEE NOTE 3)

INSULATOR MATERIAL  
(SEE NOTE 1)

### NOTES:

#### 1) INSULATOR MATERIAL:

910X- POLYESTER, 30% GLASS REINFORCED,  
UL 94V-0; COLOR: BLACK

911X- POLYESTER 30% GLASS REINFORCED HI TEMP  
UL 94V-0; COLOR: BLACK

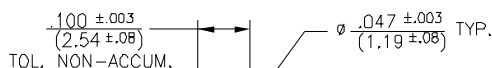
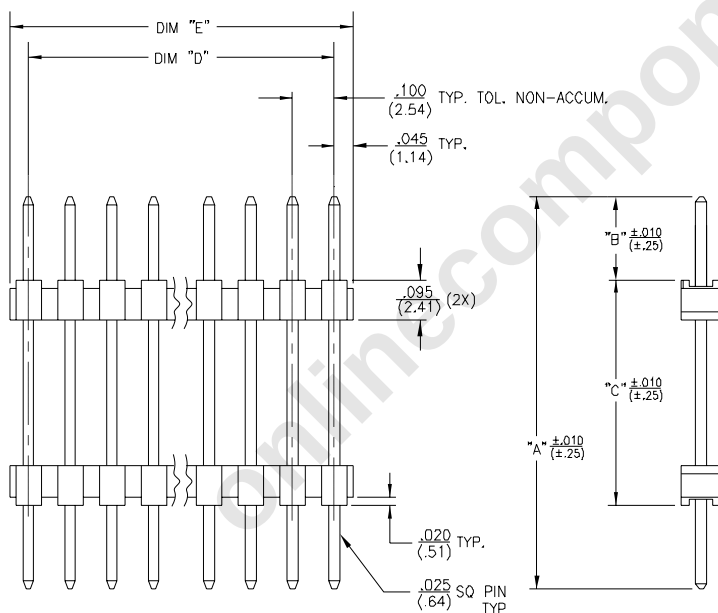
#### 2) PIN MATERIAL: PHOSPHOR BRONZE

#### 3) PIN FINISH: 91X0- BRUTE TIN OVER NICKEL PLATE.

91X2- .000015 MIN. GOLD OVER NICKEL PLATE OVERALL

91X8- .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER NICKEL  
PLATE ALL OVER; SEL. TIN/LEAD ON SOLDER TAIL AS PER DRWG.

91XE- .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER NICKEL  
PLATE ALL OVER; TIN/LEAD ON SOLDER TAIL AS PER DRWG.



RECOMMENDED PC BOARD LAYOUT

| PART NUMBER    | NO. OF POSITIONS | DIM. "D"      | DIM. "E"       |
|----------------|------------------|---------------|----------------|
| 91XX-14-102-XX | 2                | .100/(2.54)   | .190/(4.83)    |
| ↑ -103- ↑      | 3                | .200/(5.08)   | .290/(7.37)    |
| ↑ -104- ↑      | 4                | .300/(7.62)   | .390/(9.91)    |
| ↑ -105- ↑      | 5                | .400/(10.16)  | .490/(12.45)   |
| ↑ -106- ↑      | 6                | .500/(12.70)  | .590/(14.99)   |
| ↑ -107- ↑      | 7                | .600/(15.24)  | .690/(17.53)   |
| ↑ -108- ↑      | 8                | .700/(17.78)  | .790/(20.07)   |
| ↑ -109- ↑      | 9                | .800/(20.32)  | .890/(22.61)   |
| ↑ -110- ↑      | 10               | .900/(22.86)  | .990/(25.15)   |
| ↑ -111- ↑      | 11               | 1.000/(25.40) | 1.090/(27.69)  |
| ↑ -112- ↑      | 12               | 1.100/(27.94) | 1.190/(30.23)  |
| ↑ -113- ↑      | 13               | 1.200/(30.48) | 1.290/(32.77)  |
| ↑ -114- ↑      | 14               | 1.300/(33.02) | 1.390/(35.31)  |
| ↑ -115- ↑      | 15               | 1.400/(35.56) | 1.490/(37.85)  |
| ↑ -116- ↑      | 16               | 1.500/(38.10) | 1.590/(40.39)  |
| ↑ -117- ↑      | 17               | 1.600/(40.64) | 1.690/(42.93)  |
| ↑ -118- ↑      | 18               | 1.700/(43.18) | 1.790/(45.47)  |
| ↑ -119- ↑      | 19               | 1.800/(45.72) | 1.890/(48.01)  |
| ↑ -120- ↑      | 20               | 1.900/(48.26) | 1.990/(50.55)  |
| ↑ -121- ↑      | 21               | 2.000/(50.80) | 2.090/(53.09)  |
| ↑ -122- ↑      | 22               | 2.100/(53.34) | 2.190/(55.63)  |
| ↑ -123- ↑      | 23               | 2.200/(55.88) | 2.290/(58.17)  |
| ↑ -124- ↑      | 24               | 2.300/(58.42) | 2.390/(60.71)  |
| ↑ -125- ↑      | 25               | 2.400/(60.96) | 2.490/(63.25)  |
| ↑ -126- ↑      | 26               | 2.500/(63.50) | 2.590/(65.79)  |
| ↑ -127- ↑      | 27               | 2.600/(66.04) | 2.690/(68.33)  |
| ↑ -128- ↑      | 28               | 2.700/(68.58) | 2.790/(70.87)  |
| ↑ -129- ↑      | 29               | 2.800/(71.12) | 2.890/(73.41)  |
| ↑ -130- ↑      | 30               | 2.900/(73.66) | 2.990/(75.95)  |
| ↑ -131- ↑      | 31               | 3.000/(76.20) | 3.090/(78.49)  |
| ↑ -132- ↑      | 32               | 3.100/(78.74) | 3.190/(81.03)  |
| ↑ -133- ↑      | 33               | 3.200/(81.28) | 3.290/(83.57)  |
| ↑ -134- ↑      | 34               | 3.300/(83.82) | 3.390/(86.11)  |
| ↑ -135- ↑      | 35               | 3.400/(86.36) | 3.490/(88.65)  |
| ↑ -136- ↑      | 36               | 3.500/(88.90) | 3.590/(91.19)  |
| ↑ -137- ↑      | 37               | 3.600/(91.44) | 3.690/(93.73)  |
| ↑ -138- ↑      | 38               | 3.700/(93.98) | 3.790/(96.27)  |
| ↑ -139- ↑      | 39               | 3.800/(96.52) | 3.890/(98.81)  |
| 91XX-14-140-XX | 40               | 3.900/(99.06) | 3.990/(101.35) |



#### North and South America:

#### Methode Electronics, Inc. Connector Products

1700 Hicks Road • Rolling Meadows, IL 60008 USA

847-392-3500 • Toll Free: 800-323-6864 • Fax: 847-392-9404

Email: info@methode.com • Web: www.methode.com/connector/index.html

#### Europe:

#### Methode Electronics Ireland, Ltd.

Unit H, Crossagalla Business Park, Ballysimon Rd. • Limerick, Ireland

+353 (0) 61 401222 • Fax: +353 (0) 61 401942

Email: info@methode.ie • Web: ireland.methode.com/main.html

#### Far East:

#### Methode Electronics Far East, Pte. Ltd.

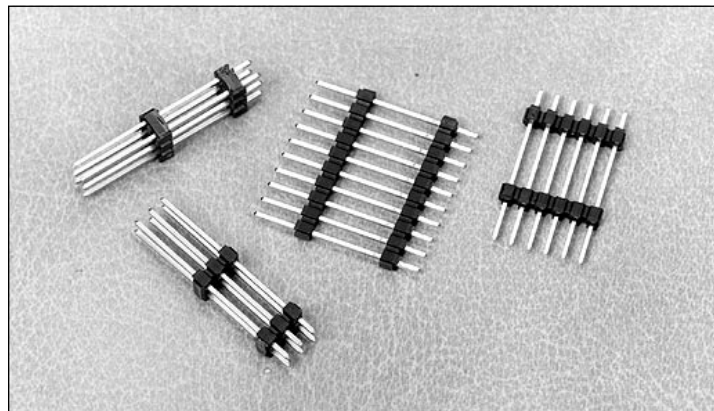
1 Tuas Lane, Jurong Town • Singapore 638610

65-68615444 • Fax: 65-68614777

Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Double Row Custom Double Insulator Headers



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-14-2XX-XXX

ASSIGNED BY METHODE REPRESENTING DIMS A, B, C

NUMBER OF POSITIONS  
(SEE TABLE)

PIN PLATING  
(SEE NOTE 3)

INSULATOR MATERIAL  
(SEE NOTE 1)

### NOTES:

#### 1) INSULATOR MATERIAL:

910X- POLYESTER, 30% GLASS REINFORCED,  
UL 94V-0; COLOR: BLACK

911X- POLYESTER 30% GLASS REINFORCED HI TEMP  
UL 94V-0; COLOR: BLACK

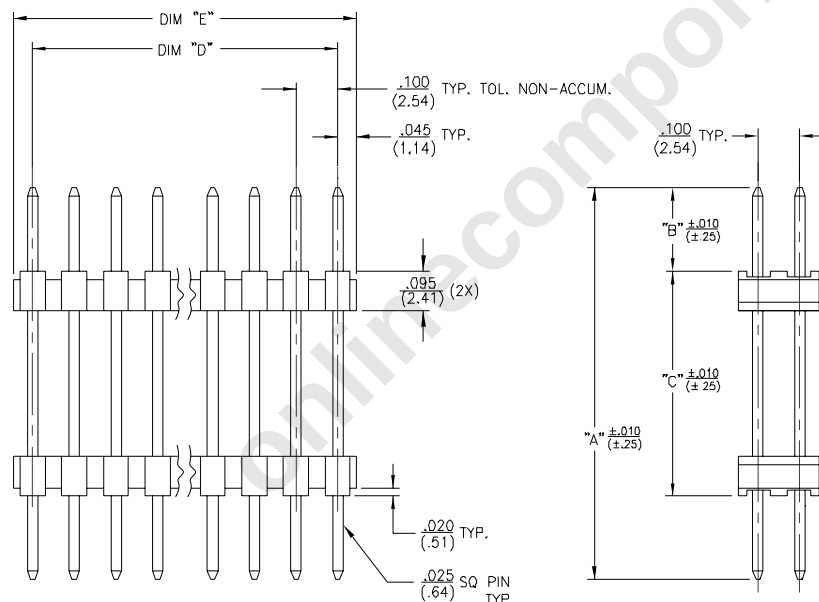
#### 2) PIN MATERIAL: PHOSPHOR BRONZE

#### 3) PIN FINISH: 91X0- BRITE TIN OVER NICKEL PLATE.

91X2- .000015 MIN. GOLD OVER NICKEL PLATE OVERALL

91X8- .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER NICKEL  
PLATE ALL OVER; SEL. TIN/LEAD ON SOLDER TAIL AS PER DRWG.

91XE- .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER NICKEL  
PLATE ALL OVER; TIN/LEAD ON SOLDER TAIL AS PER DRWG.



RECOMMENDED PC BOARD LAYOUT

| PART NUMBER    | NO. OF POSITIONS | DIM. "D"      | DIM. "E"       |
|----------------|------------------|---------------|----------------|
| 91XX-14-202-XX | 4                | .100/(2.54)   | .190/(4.83)    |
| -203-          | 6                | .200/(5.08)   | .290/(7.37)    |
| -204-          | 8                | .300/(7.62)   | .390/(9.91)    |
| -205-          | 10               | .400/(10.16)  | .490/(12.45)   |
| -206-          | 12               | .500/(12.70)  | .590/(14.99)   |
| -207-          | 14               | .600/(15.24)  | .690/(17.53)   |
| -208-          | 16               | .700/(17.78)  | .790/(20.07)   |
| -209-          | 18               | .800/(20.32)  | .890/(22.61)   |
| -210-          | 20               | .900/(22.86)  | .990/(25.15)   |
| -211-          | 22               | 1.000/(25.40) | 1.090/(27.69)  |
| -212-          | 24               | 1.100/(27.94) | 1.190/(30.23)  |
| -213-          | 26               | 1.200/(30.48) | 1.290/(32.77)  |
| -214-          | 28               | 1.300/(33.02) | 1.390/(35.31)  |
| -215-          | 30               | 1.400/(35.56) | 1.490/(37.85)  |
| -216-          | 32               | 1.500/(38.10) | 1.590/(40.39)  |
| -217-          | 34               | 1.600/(40.64) | 1.690/(42.93)  |
| -218-          | 36               | 1.700/(43.18) | 1.790/(45.47)  |
| -219-          | 38               | 1.800/(45.72) | 1.890/(48.01)  |
| -220-          | 40               | 1.900/(48.26) | 1.990/(50.55)  |
| -221-          | 42               | 2.000/(50.80) | 2.090/(53.09)  |
| -222-          | 44               | 2.100/(53.34) | 2.190/(55.63)  |
| -223-          | 46               | 2.200/(55.88) | 2.290/(58.17)  |
| -224-          | 48               | 2.300/(58.42) | 2.390/(60.71)  |
| -225-          | 50               | 2.400/(60.96) | 2.490/(63.25)  |
| -226-          | 52               | 2.500/(63.50) | 2.590/(65.79)  |
| -227-          | 54               | 2.600/(66.04) | 2.690/(68.33)  |
| -228-          | 56               | 2.700/(68.58) | 2.790/(70.87)  |
| -229-          | 58               | 2.800/(71.12) | 2.890/(73.41)  |
| -230-          | 60               | 2.900/(73.66) | 2.990/(75.95)  |
| -231-          | 62               | 3.000/(76.20) | 3.090/(78.49)  |
| -232-          | 64               | 3.100/(78.74) | 3.190/(81.03)  |
| -233-          | 66               | 3.200/(81.28) | 3.290/(83.57)  |
| -234-          | 68               | 3.300/(83.82) | 3.390/(86.11)  |
| -235-          | 70               | 3.400/(86.36) | 3.490/(88.65)  |
| -236-          | 72               | 3.500/(88.90) | 3.590/(91.19)  |
| -237-          | 74               | 3.600/(91.44) | 3.690/(93.73)  |
| -238-          | 76               | 3.700/(93.98) | 3.790/(96.27)  |
| -239-          | 78               | 3.800/(96.52) | 3.890/(98.81)  |
| 91XX-14-240-XX | 80               | 3.900/(99.06) | 3.990/(101.35) |



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#### Methode Electronics Far East, Pte. Ltd.

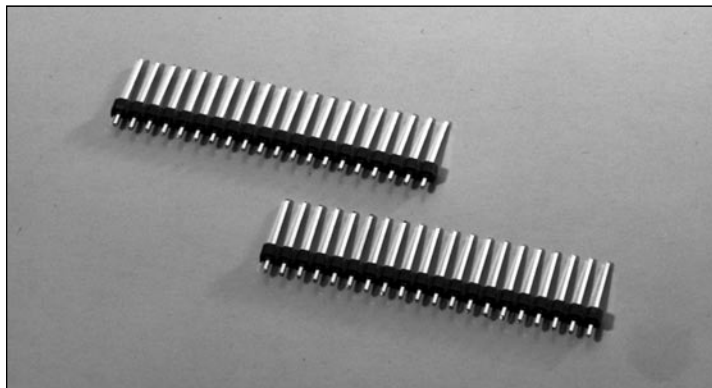
1 Tuas Lane, Jurong Town • Singapore 638610

65-68615444 • Fax: 65-68614777

Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Single Row, Through Hole Vertical Header with Special Standoffs



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-2-1XX-XX

PIN NUMBER  
(SEE TABLE II)

NUMBER OF POSITIONS  
(SEE TABLE I)

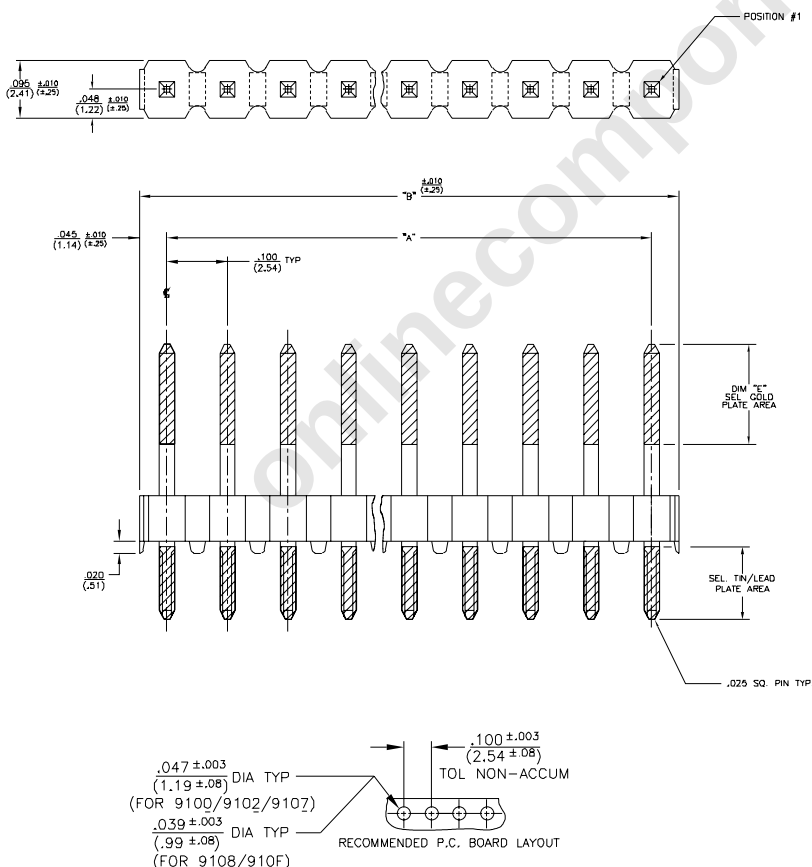
PIN PLATING  
(SEE NOTE 3)

INSULATOR MATERIAL  
(SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

### NOTES:

- INSULATOR MATERIAL:  
910X-2-1XX-XX - POLYESTER (PET), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK  
911X-2-1XX-XX - POLYESTER (PCT), 30% GLASS REINFORCED, UL 94V-0, COLOR: BLACK
- PIN MATERIAL: PHOSPHOR BRONZE
- PIN FINISH:  
91X0-2-1XX-XX - .000150/.0003 BRITTE TIN PLATE OVER .000050/.000100 NICKEL PLATE.  
91X2-2-1XX-XX - .000030 OVERALL GOLD PLATE OVER .000050/.000150 NICKEL PLATE.  
91XB-2-1XX-XX - .000030 SEL. GOLD PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001/.0002 SEL. 90/10 TIN/LEAD PLATE ON SOLDER TAIL AS INDICATED.  
91XE-2-1XX-XX - .000015 SEL. GOLD PLATE IN CONTACT AREA OVER .000050/.000150 NICKEL PLATE ALL OVER; .0001/.0002 SEL. 90/10 TIN/LEAD PLATE ON SOLDER TAIL AS INDICATED.
- ALL DIMS ARE IN IN./MM.



| TABLE I       |               |                |  |
|---------------|---------------|----------------|--|
| PART NUMBER   | DIM "A"       | DIM "B"        |  |
| 91XX-2-102-XX | 100 (2.54)    | 190 (4.82)     |  |
| 91XX-2-103-XX | 200 (5.08)    | 290 (7.36)     |  |
| 91XX-2-104-XX | 300 (7.62)    | 390 (9.91)     |  |
| 91XX-2-105-XX | 400 (10.16)   | 490 (12.45)    |  |
| 91XX-2-106-XX | 500 (12.70)   | 590 (14.98)    |  |
| 91XX-2-107-XX | 600 (15.24)   | 690 (17.53)    |  |
| 91XX-2-108-XX | 700 (17.78)   | 790 (20.06)    |  |
| 91XX-2-109-XX | 800 (20.32)   | 890 (22.61)    |  |
| 91XX-2-110-XX | 900 (22.86)   | 990 (25.15)    |  |
| 91XX-2-111-XX | 1,000 (25.40) | 1,090 (27.68)  |  |
| 91XX-2-112-XX | 1,100 (27.94) | 1,190 (30.23)  |  |
| 91XX-2-113-XX | 1,200 (30.48) | 1,290 (32.75)  |  |
| 91XX-2-114-XX | 1,300 (33.02) | 1,390 (35.31)  |  |
| 91XX-2-115-XX | 1,400 (35.56) | 1,490 (37.85)  |  |
| 91XX-2-116-XX | 1,500 (38.10) | 1,590 (40.39)  |  |
| 91XX-2-117-XX | 1,600 (40.64) | 1,690 (42.93)  |  |
| 91XX-2-118-XX | 1,700 (43.18) | 1,790 (45.47)  |  |
| 91XX-2-119-XX | 1,800 (45.72) | 1,890 (48.01)  |  |
| 91XX-2-120-XX | 1,900 (48.26) | 1,990 (50.55)  |  |
| 91XX-2-121-XX | 2,000 (50.80) | 2,090 (53.09)  |  |
| 91XX-2-122-XX | 2,100 (53.34) | 2,190 (55.63)  |  |
| 91XX-2-123-XX | 2,200 (55.88) | 2,290 (58.17)  |  |
| 91XX-2-124-XX | 2,300 (58.42) | 2,390 (60.71)  |  |
| 91XX-2-125-XX | 2,400 (60.96) | 2,490 (63.25)  |  |
| 91XX-2-126-XX | 2,500 (63.50) | 2,590 (65.79)  |  |
| 91XX-2-127-XX | 2,600 (66.04) | 2,690 (68.32)  |  |
| 91XX-2-128-XX | 2,700 (68.58) | 2,790 (70.87)  |  |
| 91XX-2-129-XX | 2,800 (71.12) | 2,890 (73.41)  |  |
| 91XX-2-130-XX | 2,900 (73.66) | 2,990 (75.95)  |  |
| 91XX-2-131-XX | 3,000 (76.20) | 3,090 (78.49)  |  |
| 91XX-2-132-XX | 3,100 (78.74) | 3,190 (81.03)  |  |
| 91XX-2-133-XX | 3,200 (81.28) | 3,290 (83.57)  |  |
| 91XX-2-134-XX | 3,300 (83.82) | 3,390 (86.11)  |  |
| 91XX-2-135-XX | 3,400 (86.36) | 3,490 (88.65)  |  |
| 91XX-2-136-XX | 3,500 (88.90) | 3,590 (91.19)  |  |
| 91XX-2-137-XX | 3,600 (91.44) | 3,690 (93.73)  |  |
| 91XX-2-138-XX | 3,700 (93.98) | 3,790 (96.27)  |  |
| 91XX-2-139-XX | 3,800 (96.52) | 3,890 (98.81)  |  |
| 91XX-2-140-XX | 3,900 (99.06) | 3,990 (101.35) |  |

| TABLE II      |            |             |            |
|---------------|------------|-------------|------------|
| PART NUMBER   | DIM "C"    | DIM "D"     | DIM "E"    |
| 91XX-2-1XX-01 | 230 (5.84) | 435 (11.43) | 165 (4.19) |
| 91XX-2-1XX-02 | 320 (8.13) | 526 (13.72) | 200 (5.08) |



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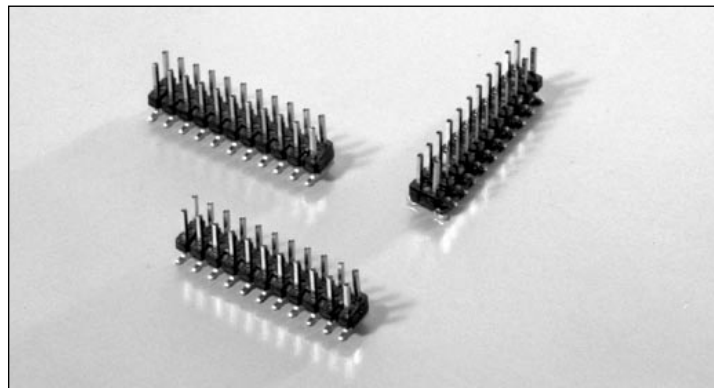
65-68615444 • Fax: 65-68614777

Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html





# .100" (2.54mm) Dual Row, Surface Mount, Vertical Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

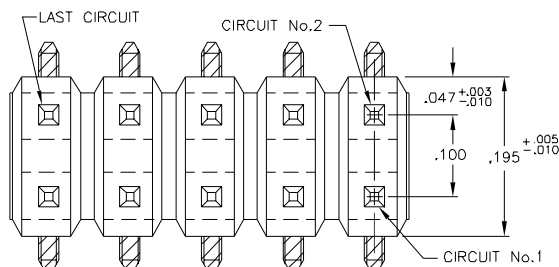
#### 910X-21-2XX-XX

PIN NUMBER  
(SEE TABLE 2)

NUMBER OF POSITIONS PER ROW  
(SEE TABLE 1)

PIN FINISH PLATING  
(SEE NOTE 2)

## MATING CONNECTORS: 9000 SERIES



### NOTES:

1. INSULATOR MATERIAL: POLYESTER (PET), 30% G/R, UL 94V-0.

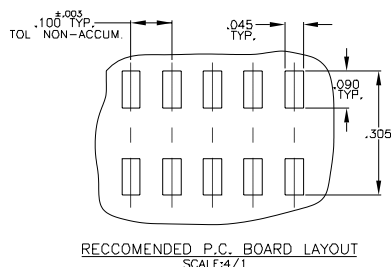
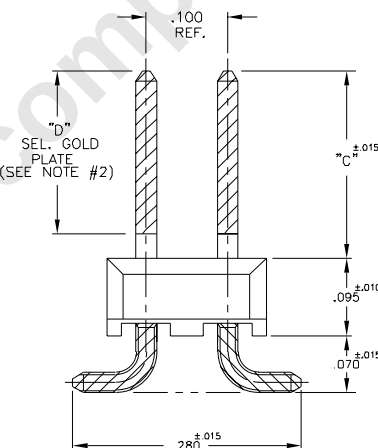
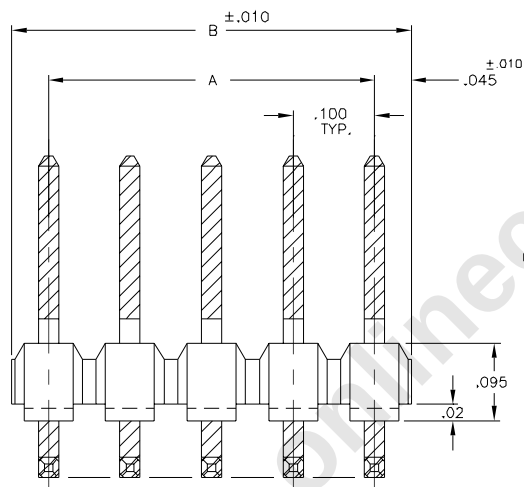
2. PIN MATERIAL: PHOSPHOR BRONZE.

3. PIN FINISH:

9100 - BRIGHT TIN OVER NICKEL PLATE.

9108 - .000050/.000150 NICKEL PLATE ALL OVER; .000030 SEL. GOLD PLATE AS INDICATED; .0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.

910E - .000050/.000150 NICKEL PLATE ALL OVER; .000015 SEL. GOLD PLATE AS INDICATED; .0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.



RECOMMENDED P.C. BOARD LAYOUT  
SCALE: 4/1

| TABLE 2        |           |           |  |
|----------------|-----------|-----------|--|
| PART NUMBER    | DIM.<br>C | DIM.<br>D |  |
| 910X-21-2XX-01 | .230      | .160      |  |
| -02            | .320      | .200      |  |
| -03            | .405      | .200      |  |

| TABLE 1        |                    |           |           |
|----------------|--------------------|-----------|-----------|
| PART NUMBER    | No. OF<br>CIRCUITS | DIM.<br>A | DIM.<br>B |
| 910X-21-202-XX | 4                  | .100      | .19       |
| ↑ -203- ↑      | 6                  | .200      | .29       |
| ↑ -204- ↑      | 8                  | .300      | .39       |
| ↑ -205- ↑      | 10                 | .400      | .49       |
| ↑ -206- ↑      | 12                 | .500      | .59       |
| ↑ -207- ↑      | 14                 | .600      | .69       |
| ↑ -208- ↑      | 16                 | .700      | .79       |
| ↑ -209- ↑      | 18                 | .800      | .89       |
| ↑ -210- ↑      | 20                 | .900      | .99       |
| ↑ -211- ↑      | 22                 | 1.000     | 1.09      |
| ↑ -212- ↑      | 24                 | 1.100     | 1.19      |
| ↑ -213- ↑      | 26                 | 1.200     | 1.29      |
| ↑ -214- ↑      | 28                 | 1.300     | 1.39      |
| ↑ -215- ↑      | 30                 | 1.400     | 1.49      |
| ↑ -216- ↑      | 32                 | 1.500     | 1.59      |
| ↑ -217- ↑      | 34                 | 1.600     | 1.69      |
| ↑ -218- ↑      | 36                 | 1.700     | 1.79      |
| ↑ -219- ↑      | 38                 | 1.800     | 1.89      |
| ↑ -220- ↑      | 40                 | 1.900     | 1.99      |
| ↑ -221- ↑      | 42                 | 2.000     | 2.09      |
| ↑ -222- ↑      | 44                 | 2.100     | 2.19      |
| ↑ -223- ↑      | 46                 | 2.200     | 2.29      |
| ↑ -224- ↑      | 48                 | 2.300     | 2.39      |
| ↑ -225- ↑      | 50                 | 2.400     | 2.49      |
| ↑ -226- ↑      | 52                 | 2.500     | 2.59      |
| ↑ -227- ↑      | 54                 | 2.600     | 2.69      |
| ↑ -228- ↑      | 56                 | 2.700     | 2.79      |
| ↑ -229- ↑      | 58                 | 2.800     | 2.89      |
| ↑ -230- ↑      | 60                 | 2.900     | 2.99      |
| ↑ -231- ↑      | 62                 | 3.000     | 3.09      |
| ↑ -232- ↑      | 64                 | 3.100     | 3.19      |
| ↑ -233- ↑      | 66                 | 3.200     | 3.29      |
| ↑ -234- ↑      | 68                 | 3.300     | 3.39      |
| ↑ -235- ↑      | 70                 | 3.400     | 3.49      |
| ↑ -236- ↑      | 72                 | 3.500     | 3.59      |
| ↑ -237- ↑      | 74                 | 3.600     | 3.69      |
| ↑ -238- ↑      | 76                 | 3.700     | 3.79      |
| ↑ -239- ↑      | 78                 | 3.800     | 3.89      |
| 910X-21-240-XX | 80                 | 3.900     | 3.99      |



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### Far East:

#### Methode Electronics Far East, Pte. Ltd.

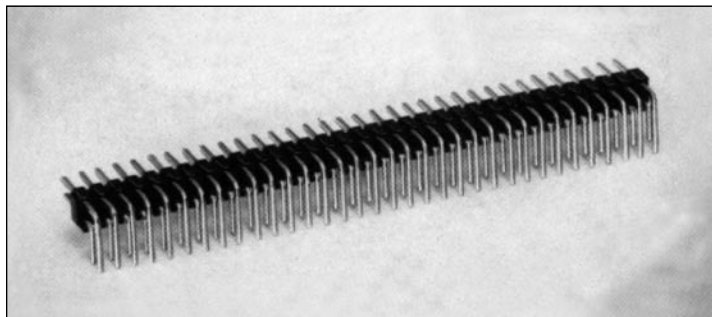
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65-68615444 • Fax: 65-68614777

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# .100" (2.54mm) Single Row, Through Hole, Right Angle Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-3-1XX-XX

- PIN NUMBER  
(SEE TABLE I)
- NUMBER OF POSITIONS  
(SEE TABLE II)
- PIN PLATING  
(SEE NOTE 2)
- INSULATOR MATERIAL  
(SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

### NOTES:

- 1) INSULATOR MAT'L:  
910X- POLYESTER (PET), 30% G/R, UL 94V-0  
COLOR: BLACK  
911X- POLYESTER (PCT), 30 % G/R, UL 94V-0  
COLOR: BLACK  
PIN MAT'L: PHOSPHOR BRONZE
- 2) PIN FINISH:  
91XQ- .000150/.0003 BRITE TIN PLATE OVER .000050/.000100  
NICKEL PLATE.  
91X2- .000015 MIN. GOLD PLATE OVER .000050/.000150  
NICKEL PLATE.  
91X8- .000030 SELECTIVE GOLD PLATE IN CONTACT AREA OVER  
.000050/.000150 NICKEL PLATE ALL OVER;  
.0001-.0002 SEL. 90/10 TIN LEAD ON SOLDER TAILS  
AS INDICATED.  
91XE- .000150/.000250 90/10 TIN/LEAD OVER .00005/.000150  
NICKEL PLATE.  
91XF- .000015 SELECTIVE GOLD PLATE IN CONTACT AREA OVER  
.000050/.000150 NICKEL PLATE ALL OVER;  
.0001-.0002 SEL. 90/10 TIN LEAD ON SOLDER TAILS  
AS INDICATED.
- 3) ALL DIMENSIONS ARE IN IN./ (MM)
- 4) PIN RETENTION: 2 LB. MINIMUM.

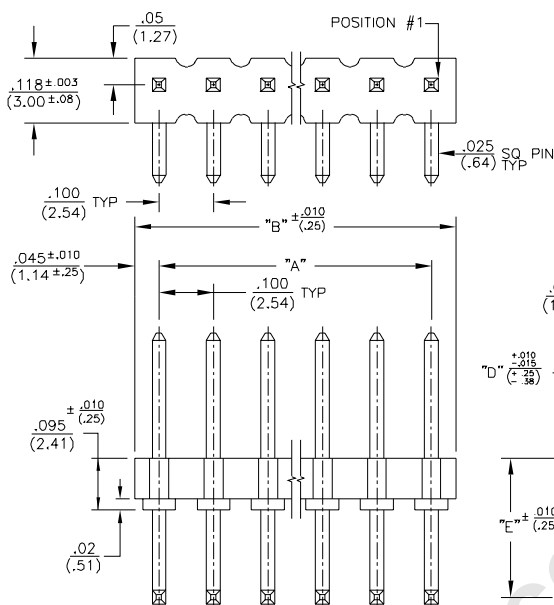


FIGURE I  
(FOR OVERALL PLATED PINS ONLY)  
P/N'S 91XQ AND 91X2-3-1XX-XX

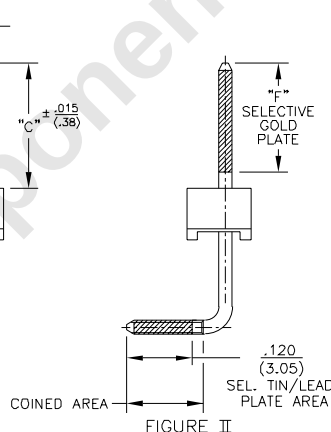
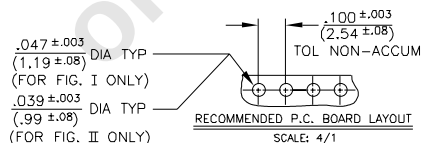


FIGURE II  
(FOR SEL PLATED PINS ONLY)  
P/N'S 91X8 AND 91XF-3-1XX-XX  
(OTHERWISE SAME AS FIGURE I)



| PART NUMBER   | NO. OF POSITIONS | DIM. "A"      | DIM. "B"       |
|---------------|------------------|---------------|----------------|
| 91XX-3-102-XX | 2                | .100/(2.54)   | .190/(4.83)    |
| 91XX-3-103-XX | 3                | .200/(5.08)   | .290/(7.37)    |
| 91XX-3-104-XX | 4                | .300/(7.62)   | .390/(9.91)    |
| 91XX-3-105-XX | 5                | .400/(10.16)  | .490/(12.45)   |
| 91XX-3-106-XX | 6                | .500/(12.70)  | .590/(14.99)   |
| 91XX-3-107-XX | 7                | .600/(15.24)  | .690/(17.53)   |
| 91XX-3-108-XX | 8                | .700/(17.78)  | .790/(20.07)   |
| 91XX-3-109-XX | 9                | .800/(20.32)  | .890/(22.61)   |
| 91XX-3-110-XX | 10               | .900/(22.86)  | .990/(25.15)   |
| 91XX-3-111-XX | 11               | 1.000/(25.40) | 1.090/(27.69)  |
| 91XX-3-112-XX | 12               | 1.100/(27.94) | 1.190/(30.23)  |
| 91XX-3-113-XX | 13               | 1.200/(30.48) | 1.290/(32.77)  |
| 91XX-3-114-XX | 14               | 1.300/(33.02) | 1.390/(35.31)  |
| 91XX-3-115-XX | 15               | 1.400/(35.56) | 1.490/(37.85)  |
| 91XX-3-116-XX | 16               | 1.500/(38.10) | 1.590/(40.39)  |
| 91XX-3-117-XX | 17               | 1.600/(40.64) | 1.690/(42.93)  |
| 91XX-3-118-XX | 18               | 1.700/(43.18) | 1.790/(45.47)  |
| 91XX-3-119-XX | 19               | 1.800/(45.72) | 1.890/(48.01)  |
| 91XX-3-120-XX | 20               | 1.900/(48.26) | 1.990/(50.55)  |
| 91XX-3-121-XX | 21               | 2.000/(50.80) | 2.090/(53.09)  |
| 91XX-3-122-XX | 22               | 2.100/(53.34) | 2.190/(55.63)  |
| 91XX-3-123-XX | 23               | 2.200/(55.88) | 2.290/(58.17)  |
| 91XX-3-124-XX | 24               | 2.300/(58.42) | 2.390/(60.71)  |
| 91XX-3-125-XX | 25               | 2.400/(60.96) | 2.490/(63.25)  |
| 91XX-3-126-XX | 26               | 2.500/(63.50) | 2.590/(65.79)  |
| 91XX-3-127-XX | 27               | 2.600/(66.04) | 2.690/(68.33)  |
| 91XX-3-128-XX | 28               | 2.700/(68.58) | 2.790/(70.87)  |
| 91XX-3-129-XX | 29               | 2.800/(71.12) | 2.890/(73.41)  |
| 91XX-3-130-XX | 30               | 2.900/(73.66) | 2.990/(75.95)  |
| 91XX-3-131-XX | 31               | 3.000/(76.20) | 3.090/(78.49)  |
| 91XX-3-132-XX | 32               | 3.100/(78.74) | 3.190/(81.03)  |
| 91XX-3-133-XX | 33               | 3.200/(81.28) | 3.290/(83.57)  |
| 91XX-3-134-XX | 34               | 3.300/(83.82) | 3.390/(86.11)  |
| 91XX-3-135-XX | 35               | 3.400/(86.36) | 3.490/(88.65)  |
| 91XX-3-136-XX | 36               | 3.500/(88.90) | 3.590/(91.19)  |
| 91XX-3-137-XX | 37               | 3.600/(91.44) | 3.690/(93.73)  |
| 91XX-3-138-XX | 38               | 3.700/(93.98) | 3.790/(96.27)  |
| 91XX-3-139-XX | 39               | 3.800/(96.52) | 3.890/(98.81)  |
| 91XX-3-140-XX | 40               | 3.900/(99.06) | 3.990/(101.35) |

| PART No.      | DIM "C"         | DIM "D"        | DIM "E"        | DIM "F"        |
|---------------|-----------------|----------------|----------------|----------------|
| 91XX-3-1XX-01 | .230<br>(5.84)  | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-02 | .300<br>(7.62)  | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-03 | .370<br>(9.14)  | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-04 | .440<br>(11.18) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-05 | .510<br>(12.95) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-06 | .580<br>(14.73) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-07 | .650<br>(16.51) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-08 | .720<br>(18.29) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-09 | .790<br>(20.07) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |
| 91XX-3-1XX-10 | .860<br>(21.85) | .110<br>(2.79) | .155<br>(3.94) | .200<br>(5.08) |



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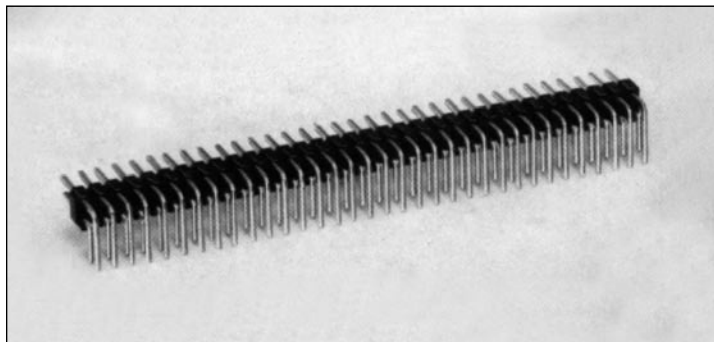
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# .100" (2.54mm) Dual Row, Through Hole, Right Angle Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-3-2XX-XX

- PIN NUMBER  
(SEE TABLE 2)
- NUMBER OF POSITIONS  
(SEE TABLE 1)
- PIN PLATING  
(SEE NOTE 3)
- INSULATOR MATERIAL  
(SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

### NOTES:

- INSULATOR MATERIAL:  
910X- POLYESTER (PET), 30% GLASS REINFORCED, UL 94V-0  
911X- POLYESTER (PCT), 30% GLASS REINFORCED, UL 94V-0
- PIN MATERIAL : PHOSPHOR BRONZE
- PIN FINISH :  
9100-3-2XX-XX - TIN OVER NICKEL PLATE.  
9102-3-2XX-XX - .000015 GOLD OVER .000050 NICKEL PLATE.  
9108-3-2XX-XX - .000050/.000150 NICKEL PLATE ALL OVER; .000030 SEL. GOLD PLATE AS INDICATED;  
.0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.  
910F-3-2XX-XX - .000050/.000150 NICKEL PLATE ALL OVER; .000015 SEL. GOLD PLATE AS INDICATED;  
.0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.
- PIN RETENTION: 2 LB. MINIMUM.

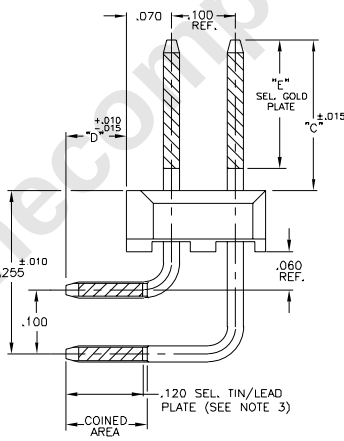
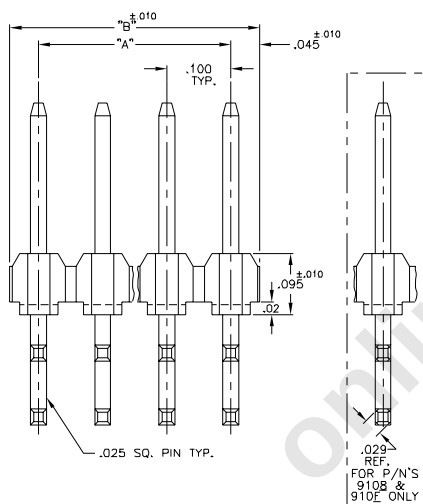
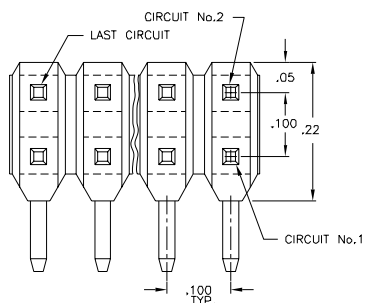


FIGURE 1  
(FOR SEL. PLATED PINS ONLY.)  
P/N's 9108 AND 910F

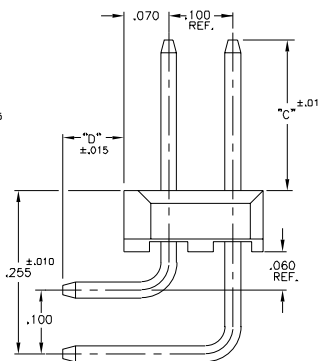
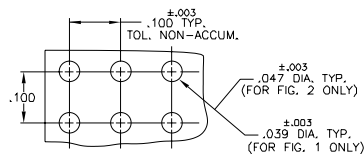


FIGURE 2  
(FOR OVERALL PLATED PINS ONLY)  
P/N's 9100 AND 9102



RECOMMENDED P.C. BOARD PATTERN

TABLE 1

| PART NUMBER   | No. OF CIRCUITS | DIM. "A" | DIM. "B" |
|---------------|-----------------|----------|----------|
| 910X-3-202-XX | 4               | .100     | .190     |
| -203-         | 6               | .200     | .290     |
| -204-         | 8               | .300     | .390     |
| -205-         | 10              | .400     | .490     |
| -206-         | 12              | .500     | .590     |
| -207-         | 14              | .600     | .690     |
| -208-         | 16              | .700     | .790     |
| -209-         | 18              | .800     | .890     |
| -210-         | 20              | .900     | .990     |
| -211-         | 22              | 1.000    | 1.090    |
| -212-         | 24              | 1.100    | 1.190    |
| -213-         | 26              | 1.200    | 1.290    |
| -214-         | 28              | 1.300    | 1.390    |
| -215-         | 30              | 1.400    | 1.490    |
| -216-         | 32              | 1.500    | 1.590    |
| -217-         | 34              | 1.600    | 1.690    |
| -218-         | 36              | 1.700    | 1.790    |
| -219-         | 38              | 1.800    | 1.890    |
| -220-         | 40              | 1.900    | 1.990    |
| -221-         | 42              | 2.000    | 2.090    |
| -222-         | 44              | 2.100    | 2.190    |
| -223-         | 46              | 2.200    | 2.290    |
| -224-         | 48              | 2.300    | 2.390    |
| -225-         | 50              | 2.400    | 2.490    |
| -226-         | 52              | 2.500    | 2.590    |
| -227-         | 54              | 2.600    | 2.690    |
| -228-         | 56              | 2.700    | 2.790    |
| -229-         | 58              | 2.800    | 2.890    |
| -230-         | 60              | 2.900    | 2.990    |
| -231-         | 62              | 3.000    | 3.090    |
| -232-         | 64              | 3.100    | 3.190    |
| -233-         | 66              | 3.200    | 3.290    |
| -234-         | 68              | 3.300    | 3.390    |
| -235-         | 70              | 3.400    | 3.490    |
| -236-         | 72              | 3.500    | 3.590    |
| -237-         | 74              | 3.600    | 3.690    |
| -238-         | 76              | 3.700    | 3.790    |
| -239-         | 78              | 3.800    | 3.890    |
| 910X-3-240-XX | 80              | 3.900    | 3.990    |

TABLE 2

| PART No.      | "C"       | "D"  | "E"  |
|---------------|-----------|------|------|
| 910X-3-2XX-01 | .230      | .110 | .200 |
| -02           | .320      | .110 | .200 |
| -03           | .500      | .110 | —    |
| -04           | .230±.010 | .290 | —    |
| -05           | .230      | .090 | .200 |
| -06           | .318      | .095 | .200 |
| -07           | .110      | .110 | —    |
| -08           | .280      | .110 | .200 |
| 910X-3-2XX-09 | .230      | .190 | .200 |



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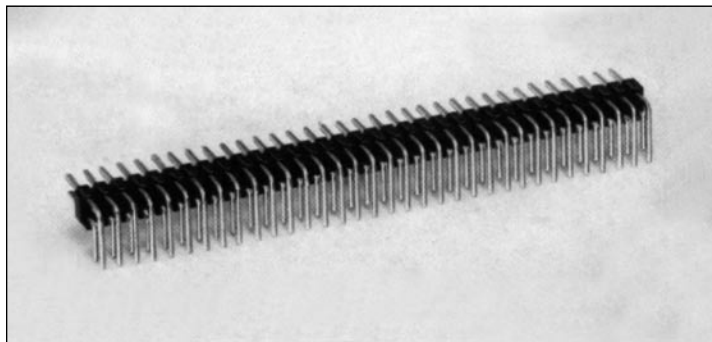
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# .100" (2.54mm) Single Row, Through Hole, Right Angle Header with Retention Tails



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

91XX-33-1XX-XX

PIN NUMBER  
(SEE TABLE II)

NUMBER OF POSITIONS  
(SEE TABLE I)

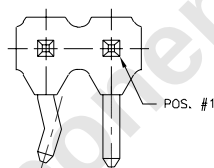
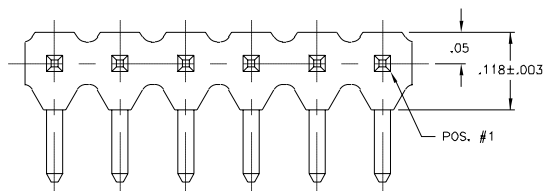
PIN PLATING  
(SEE NOTE 3)

INSULATOR MATERIAL  
(SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

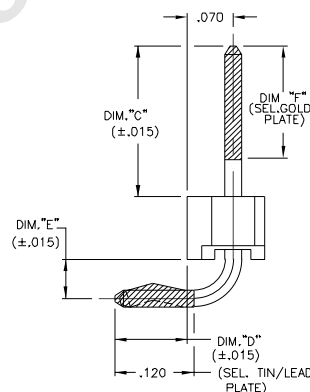
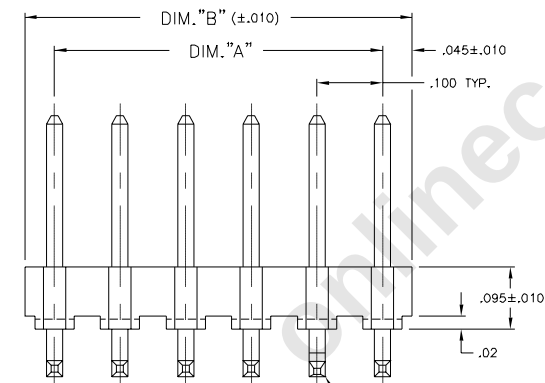
### NOTES:

- 1) INSULATOR MATERIAL: 910X - POLYESTER (PET), 30% G.R., U.L. 94V-0, COLOR IS BLACK;  
911X - POLYESTER (PCT), 30% G.R., U.L. 94V-0, COLOR IS BLACK.
- 2) PIN MATERIAL: PHOSPHOR BRONZE.
- 3) PIN FINISH: 91X0 - TIN/LEAD OVER NICKEL PLATE;  
91X2 - GOLD (.000015 THICK) OVER NICKEL PLATE (.000030 THICK);  
91X8 - SEL. GOLD (.000030 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK);  
91XE - SEL. GOLD (.000015 THICK) AND SEL. 90/10 TIN/LEAD (.0001/.0002 THICK) WITH NICKEL UNDERPLATE OVERALL (.000050 THICK).

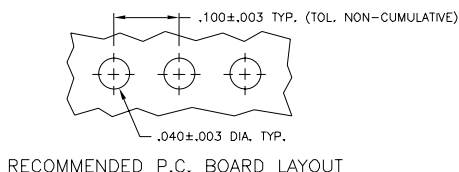


DETAIL "A"  
TAIL FORM CONFIGURATION  
FOR 2 POS. ASS'Y. ONLY

| TABLE II       |         |         |         |         |  |
|----------------|---------|---------|---------|---------|--|
| PART No.       | DIM "C" | DIM "D" | DIM "E" | DIM "F" |  |
| 91XX-33-1XX-01 | .230    | .110    | .060    | .160    |  |
| 91XX-33-1XX-02 | .320    | .110    | .060    | .200    |  |
| 91XX-33-1XX-03 | .400    | .110    | .060    | .200    |  |
| 91XX-33-1XX-04 | .465    | .110    | .155    | ---     |  |



1ST RETENTION TAIL TO BE FORMED AT POS. #2.  
TYPICAL FOR 3-THRU-40 POS. ASSEMBLIES; SEE TABLE I FOR 2ND & 3RD FORMED TAIL LOCATIONS; SEE DETAIL "A" FOR TAIL FORM CONFIGURATION FOR 2 POS. ASS'Y.



| TABLE I        |             |         |         |     | 2ND TAIL POS. | 3RD TAIL POS. |
|----------------|-------------|---------|---------|-----|---------------|---------------|
| PART No.       | No. OF POS. | DIM "A" | DIM "B" |     |               |               |
| 91XX-33-102-XX | 2           | .100    | .190    | --- | ---           | ---           |
| ↑ -103- ↓      | 3           | .200    | .290    | --- | ---           | ---           |
| ↑ -104- ↓      | 4           | .300    | .390    | --- | ---           | ---           |
| ↑ -105- ↓      | 5           | .400    | .490    | 4   | ---           | ---           |
| ↑ -106- ↓      | 6           | .500    | .590    | 5   | ---           | ---           |
| ↑ -107- ↓      | 7           | .600    | .690    | 6   | ---           | ---           |
| ↑ -108- ↓      | 8           | .700    | .790    | 7   | ---           | ---           |
| ↑ -109- ↓      | 9           | .800    | .890    | 8   | ---           | ---           |
| ↑ -110- ↓      | 10          | .900    | .990    | 9   | ---           | ---           |
| ↑ -111- ↓      | 11          | 1.000   | 1.090   | 10  | ---           | ---           |
| ↑ -112- ↓      | 12          | 1.100   | 1.190   | 11  | ---           | ---           |
| ↑ -113- ↓      | 13          | 1.200   | 1.290   | 12  | ---           | ---           |
| ↑ -114- ↓      | 14          | 1.300   | 1.390   | 13  | ---           | ---           |
| ↑ -115- ↓      | 15          | 1.400   | 1.490   | 14  | ---           | ---           |
| ↑ -116- ↓      | 16          | 1.500   | 1.590   | 15  | ---           | ---           |
| ↑ -117- ↓      | 17          | 1.600   | 1.690   | 16  | ---           | ---           |
| ↑ -118- ↓      | 18          | 1.700   | 1.790   | 17  | ---           | ---           |
| ↑ -119- ↓      | 19          | 1.800   | 1.890   | 18  | ---           | ---           |
| ↑ -120- ↓      | 20          | 1.900   | 1.990   | 19  | ---           | ---           |
| ↑ -121- ↓      | 21          | 2.000   | 2.090   | 20  | 11            | ---           |
| ↑ -122- ↓      | 22          | 2.100   | 2.190   | 21  | 11            | ---           |
| ↑ -123- ↓      | 23          | 2.200   | 2.290   | 22  | 12            | ---           |
| ↑ -124- ↓      | 24          | 2.300   | 2.390   | 23  | 12            | ---           |
| ↑ -125- ↓      | 25          | 2.400   | 2.490   | 24  | 13            | ---           |
| ↑ -126- ↓      | 26          | 2.500   | 2.590   | 25  | 13            | ---           |
| ↑ -127- ↓      | 27          | 2.600   | 2.690   | 26  | 14            | ---           |
| ↑ -128- ↓      | 28          | 2.700   | 2.790   | 27  | 14            | ---           |
| ↑ -129- ↓      | 29          | 2.800   | 2.890   | 28  | 15            | ---           |
| ↑ -130- ↓      | 30          | 2.900   | 2.990   | 29  | 15            | ---           |
| ↑ -131- ↓      | 31          | 3.000   | 3.090   | 30  | 16            | ---           |
| ↑ -132- ↓      | 32          | 3.100   | 3.190   | 31  | 16            | ---           |
| ↑ -133- ↓      | 33          | 3.200   | 3.290   | 32  | 17            | ---           |
| ↑ -134- ↓      | 34          | 3.300   | 3.390   | 33  | 17            | ---           |
| ↑ -135- ↓      | 35          | 3.400   | 3.490   | 34  | 18            | ---           |
| ↑ -136- ↓      | 36          | 3.500   | 3.590   | 35  | 18            | ---           |
| ↑ -137- ↓      | 37          | 3.600   | 3.690   | 36  | 19            | ---           |
| ↑ -138- ↓      | 38          | 3.700   | 3.790   | 37  | 19            | ---           |
| ↑ -139- ↓      | 39          | 3.800   | 3.890   | 38  | 20            | ---           |
| 91XX-33-140-XX | 40          | 3.900   | 3.990   | 39  | 20            | ---           |



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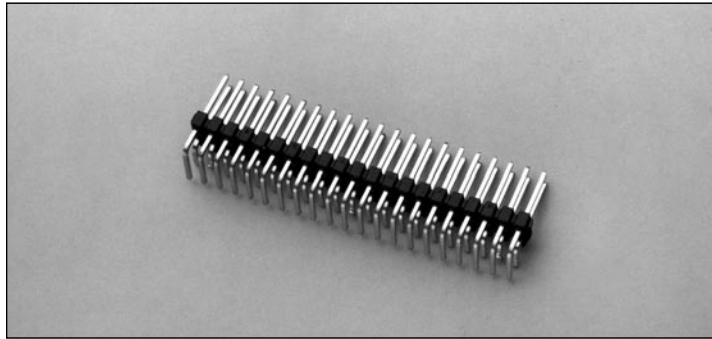
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# .100" (2.54mm) Dual Row, Through Hole, Right Angle Header with Retention Tails



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

91XX-33-2XX-XX

PIN NUMBER  
(SEE TABLE 2)

NUMBER OF POSITIONS PER ROW  
(SEE TABLE 1)

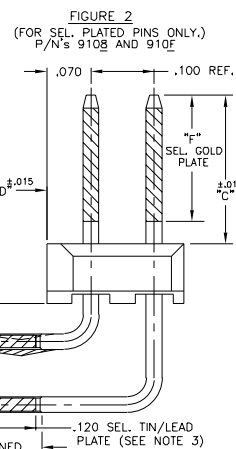
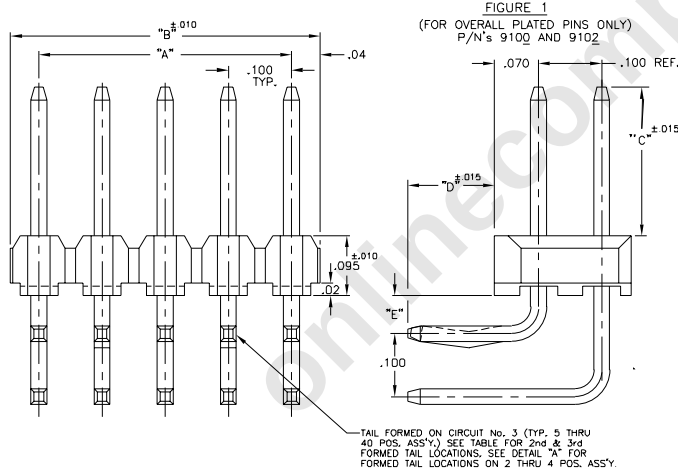
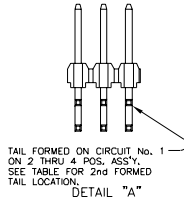
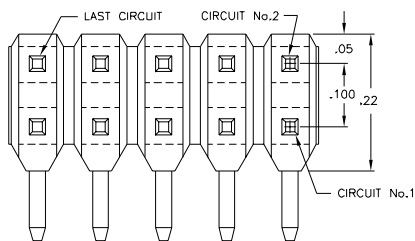
PIN PLATING (SEE NOTE 3)

INSULATOR MATERIAL (SEE NOTE 1)

## MATING CONNECTORS: 9000 SERIES

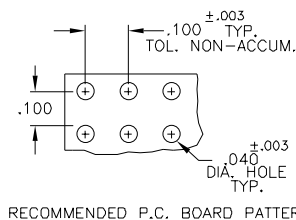
### NOTES:

- INSULATOR MATERIAL : 910X - GLASS FILLED POLYESTER (PET); UL 94V-0; COLOR: BLACK  
911X - GLASS FILLED POLYESTER (PCT); UL 94V-0; COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- PIN FINISH :  
910Q - BRITE TIN OVER NICKEL PLATE.  
910J - .000015 GOLD OVER NICKEL PLATE.  
910B - .000050/.000150 NICKEL PLATE ALL OVER; .000030 SEL. GOLD PLATE AS INDICATED; .0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.  
910E - .000050/.000150 NICKEL PLATE ALL OVER; .000015 SEL. GOLD PLATE AS INDICATED; .0001-.0002 SEL. 90/10 TIN/LEAD ON SOLDER TAIL AS INDICATED.



| PART No. | "C"         | "D"         | "E"  | "F"  |
|----------|-------------|-------------|------|------|
| -01      | .230        | .110        | .06  | .200 |
| -02      | .320        | .110        | .06  | .200 |
| -03      | .225 ± .008 | .085 ± .008 | .035 | .200 |
| -04      | .342 ± .008 | .102        | .06  | .200 |

| PART NUMBER    | NO. OF CIRCuits | DIM. A | DIM. B | 2nd FORMED TAIL LOCATION CIRCUIT No. | 3rd FORMED TAIL LOCATION CIRCUIT No. |
|----------------|-----------------|--------|--------|--------------------------------------|--------------------------------------|
| 910X-33-202-XX | 4               | 1.100  | 1.790  | 3                                    | -                                    |
| -203           | 6               | 2.200  | 2.290  | 5                                    | -                                    |
| -204           | 8               | 3.300  | 3.390  | 7                                    | -                                    |
| -205           | 10              | 4.400  | 4.490  | 9                                    | -                                    |
| -206           | 12              | 5.500  | 5.590  | 11                                   | -                                    |
| -207           | 14              | 6.600  | 6.690  | 13                                   | -                                    |
| -208           | 16              | 7.700  | 7.790  | 15                                   | -                                    |
| -209           | 18              | 8.800  | 8.890  | 17                                   | -                                    |
| -210           | 20              | 9.900  | 9.990  | 19                                   | -                                    |
| -211           | 22              | 11.000 | 11.090 | 21                                   | -                                    |
| -212           | 24              | 12.100 | 12.190 | 23                                   | -                                    |
| -213           | 26              | 13.200 | 13.290 | 25                                   | -                                    |
| -214           | 28              | 14.300 | 14.390 | 27                                   | -                                    |
| -215           | 30              | 15.400 | 15.490 | 29                                   | -                                    |
| -216           | 32              | 16.500 | 16.590 | 31                                   | -                                    |
| -217           | 34              | 17.600 | 17.690 | 33                                   | -                                    |
| -218           | 36              | 18.700 | 18.790 | 35                                   | -                                    |
| -219           | 38              | 19.800 | 19.890 | 37                                   | -                                    |
| -220           | 40              | 20.900 | 20.990 | 39                                   | 21                                   |
| -221           | 42              | 22.000 | 22.090 | 41                                   | 23                                   |
| -222           | 44              | 23.100 | 23.190 | 43                                   | 25                                   |
| -223           | 46              | 24.200 | 24.290 | 45                                   | 27                                   |
| -224           | 48              | 25.300 | 25.390 | 47                                   | 29                                   |
| -225           | 50              | 26.400 | 26.490 | 49                                   | 31                                   |
| -226           | 52              | 27.500 | 27.590 | 51                                   | 33                                   |
| -227           | 54              | 28.600 | 28.690 | 53                                   | 35                                   |
| -228           | 56              | 29.700 | 29.790 | 55                                   | 37                                   |
| -229           | 58              | 30.800 | 30.890 | 57                                   | 39                                   |
| -230           | 60              | 31.900 | 31.990 | 59                                   | 41                                   |
| -231           | 62              | 33.000 | 33.090 | 61                                   | 43                                   |
| -232           | 64              | 34.100 | 34.190 | 63                                   | 45                                   |
| -233           | 66              | 35.200 | 35.290 | 65                                   | 47                                   |
| -234           | 68              | 36.300 | 36.390 | 67                                   | 49                                   |
| -235           | 70              | 37.400 | 37.490 | 69                                   | 51                                   |
| -236           | 72              | 38.500 | 38.590 | 71                                   | 53                                   |
| -237           | 74              | 39.600 | 39.690 | 73                                   | 55                                   |
| -238           | 76              | 40.700 | 40.790 | 75                                   | 57                                   |
| -239           | 78              | 41.800 | 41.890 | 77                                   | 59                                   |
| 910X-33-240-XX | 80              | 42.900 | 42.990 | 79                                   | 61                                   |



North and South America:

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+353 (0) 61 401222 • Fax: +353 (0) 61 401942

Email: info@methode.ie • Web: ireland.methode.com/main.html

Far East:

Methode Electronics Far East, Pte. Ltd.

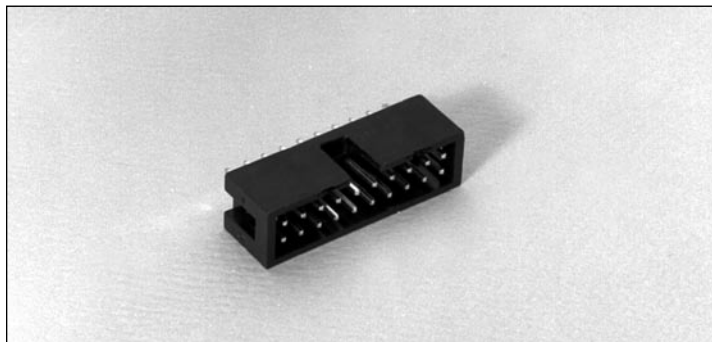
1 Tuas Lane, Jurong Town • Singapore 638610

65-68615444 • Fax: 65-68614777

Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Dual Row, Through Hole, Vertical Polarizing Shrouded Header



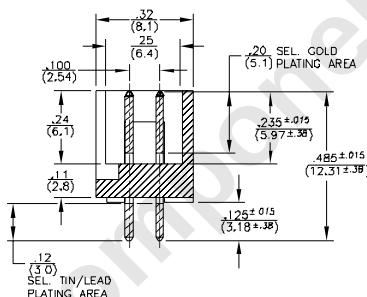
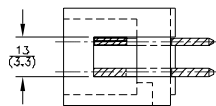
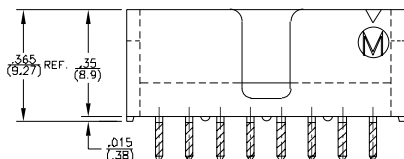
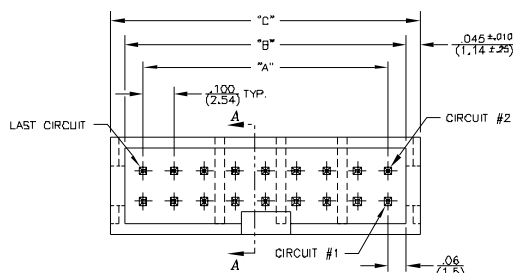
## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-40-2XX-01

- NUMBER OF POSITIONS  
(SEE TABLE)
- PIN PLATING  
(SEE NOTE 2)
- INSULATOR MATERIAL  
(SEE NOTE 1)

### MATING CONNECTORS: 9000 SERIES & 9300-6XX/7XX SERIES



SECTION A-A  
(ROTATED 90° C.W.)

### NOTES:

#### 1) MATERIALS

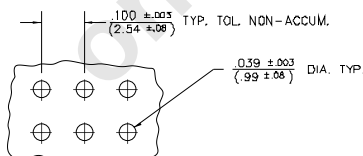
##### INSULATOR

9100-40-2XX-01: POLYESTER (PBT), 30% GLASS FILLED, UL94V-0  
9110-40-2XX-01: POLYESTER (PCT), 30% GLASS FILLED, UL94V-0

PINS: PHOSPHOR BRONZE

#### 2) PIN FINISH:

91XX-40-2XX-01: BRUTE TIN OVER NICKEL PLATE  
91XB-40-2XX-01: .000050 NICKEL PLATE ALL OVER;  
000030 SEL. GOLD IN MATING AREA;  
0001-0002 SEL. TIN/LEAD ON SOLDER TAIL.  
91XE-40-2XX-01: .000050 NICKEL PLATE ALL OVER;  
00015 SEL. GOLD IN MATING AREA;  
0001-0002 SEL. TIN/LEAD ON SOLDER TAIL.



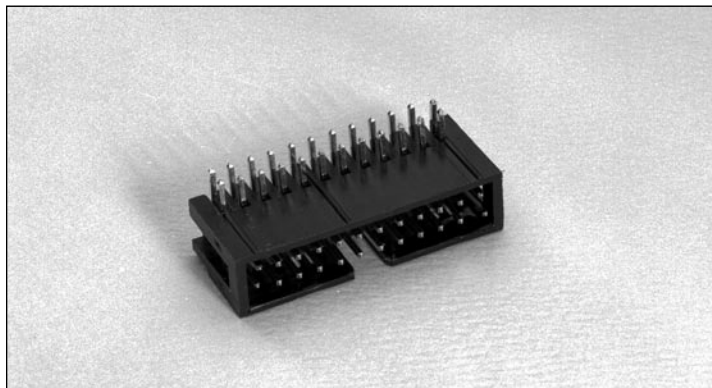
RECOMMENDED P.C. BOARD LAYOUT

| PART NUMBER    | NO. OF POSITIONS | DIM "A"      | DIM "B"      | DIM "B"      |
|----------------|------------------|--------------|--------------|--------------|
| 91XX-40-202-01 | 4                | 100 (2.54)   | 220 (5.58)   | 310 (7.87)   |
| ↑ -203         | 6                | 200 (5.08)   | 320 (8.13)   | 410 (10.41)  |
| ↑ -204         | 8                | 300 (7.62)   | 420 (10.67)  | 510 (12.95)  |
| ↑ -205         | 10               | 400 (10.16)  | 520 (13.21)  | 610 (15.49)  |
| ↑ -206         | 12               | 500 (12.70)  | 620 (15.75)  | 710 (18.03)  |
| ↑ -207         | 14               | 600 (15.24)  | 720 (18.29)  | 810 (20.57)  |
| ↑ -208         | 16               | 700 (17.78)  | 820 (20.83)  | 910 (23.11)  |
| ↑ -209         | 18               | 800 (20.32)  | 920 (23.37)  | 1010 (25.65) |
| ↑ -210         | 20               | 900 (22.86)  | 1020 (25.91) | 1110 (28.19) |
| ↑ -211         | 22               | 1000 (25.40) | 1120 (28.45) | 1210 (30.73) |
| ↑ -212         | 24               | 1100 (27.94) | 1220 (30.99) | 1310 (33.27) |
| ↑ -213         | 26               | 1200 (30.48) | 1320 (33.53) | 1410 (35.81) |
| ↑ -214         | 28               | 1300 (33.02) | 1420 (36.07) | 1510 (38.35) |
| ↑ -215         | 30               | 1400 (35.56) | 1520 (38.61) | 1610 (40.89) |
| ↑ -216         | 32               | 1500 (38.10) | 1620 (41.15) | 1710 (43.43) |
| ↑ -217         | 34               | 1600 (40.64) | 1720 (43.69) | 1810 (45.97) |
| ↑ -218         | 36               | 1700 (43.18) | 1820 (46.23) | 1910 (48.51) |
| ↑ -219         | 38               | 1800 (45.72) | 1920 (48.77) | 2010 (51.05) |
| ↑ -220         | 40               | 1900 (48.26) | 2020 (51.31) | 2110 (53.59) |
| 91XX-40-221-01 | 42               | 2000 (50.80) | 2120 (53.85) | 2210 (56.13) |

| PART NUMBER    | NO. OF POSITIONS | DIM "A"     | DIM "B"       | DIM "B"       |
|----------------|------------------|-------------|---------------|---------------|
| 91XX-40-222-01 | 44               | 100 (2.54)  | 220 (5.58)    | 310 (7.87)    |
| ↑ -223         | 46               | 220 (5.58)  | 230 (5.84)    | 2410 (61.21)  |
| ↑ -224         | 48               | 240 (6.10)  | 2420 (61.47)  | 2510 (63.75)  |
| ↑ -225         | 50               | 260 (6.60)  | 2620 (66.01)  | 2710 (68.59)  |
| ↑ -226         | 52               | 280 (7.12)  | 2820 (71.17)  | 2910 (73.91)  |
| ↑ -227         | 54               | 300 (7.62)  | 3020 (76.21)  | 3110 (78.95)  |
| ↑ -228         | 56               | 320 (8.13)  | 3220 (81.25)  | 3310 (83.99)  |
| ↑ -229         | 58               | 340 (8.63)  | 3420 (86.29)  | 3510 (88.93)  |
| ↑ -230         | 60               | 360 (9.14)  | 3620 (91.33)  | 3710 (93.87)  |
| ↑ -231         | 62               | 380 (9.65)  | 3820 (96.37)  | 3910 (98.91)  |
| ↑ -232         | 64               | 400 (10.16) | 4020 (101.41) | 4110 (103.95) |
| ↑ -233         | 66               | 420 (10.67) | 4220 (106.45) | 4310 (108.99) |
| ↑ -234         | 68               | 440 (11.18) | 4420 (111.49) | 4510 (114.03) |
| ↑ -235         | 70               | 460 (11.69) | 4620 (116.53) | 4710 (119.07) |
| ↑ -236         | 72               | 480 (12.20) | 4820 (121.57) | 4910 (124.11) |
| ↑ -237         | 74               | 500 (12.70) | 5020 (126.61) | 5110 (129.15) |
| ↑ -238         | 76               | 520 (13.21) | 5220 (131.65) | 5310 (134.19) |
| ↑ -239         | 78               | 540 (13.72) | 5420 (136.69) | 5510 (139.23) |
| 91XX-40-240-01 | 80               | 560 (14.23) | 5620 (141.73) | 5710 (144.27) |



# .100" (2.54mm) Dual Row, Through Hole, Right Angle, Polarizing Shrouded Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

91XX-41-2XX-01

NUMBER OF POSITIONS  
(SEE TABLE)

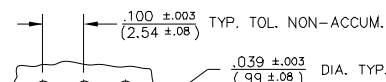
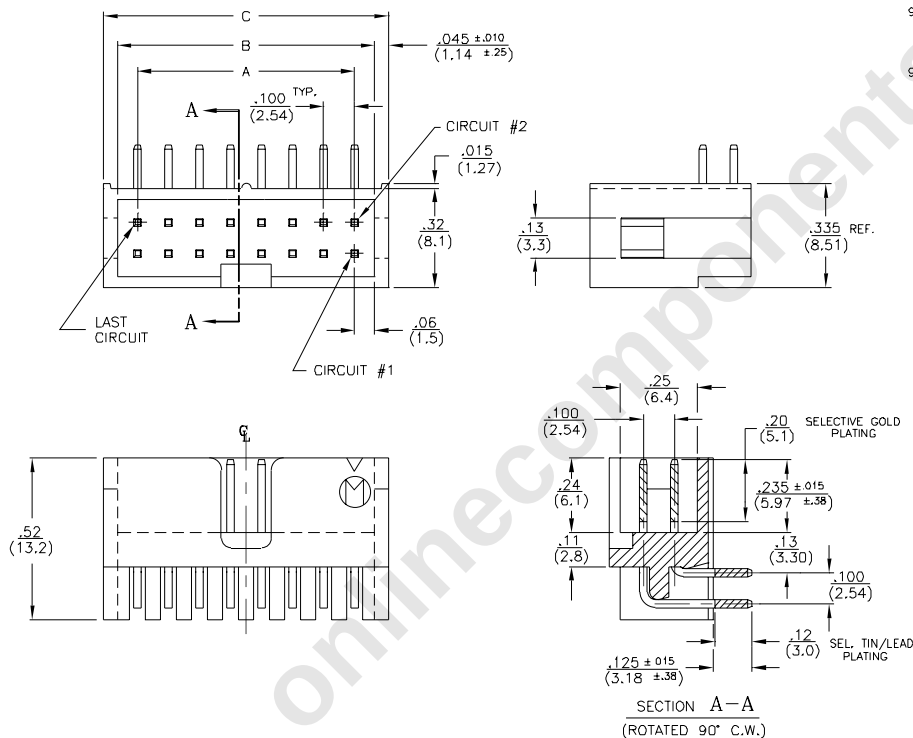
PIN PLATING  
(SEE NOTE 3)

INSULATOR MATERIAL  
(SEE NOTE 2)

MATING CONNECTORS: 9000 SERIES & 9300-6XX/7XX SERIES

### NOTES:

- ALL DIMENSIONS ARE IN IN./ (MM.)
- INSULATOR MATERIAL : 9100-40-2XX-01; POLYESTER (PBT), 30% GLASS FILLED, UL94V-0  
9110-40-2XX-01; POLYESTER (PCT), 30% GLASS FILLED, UL94V-0
- PIN MATERIAL : PHOSPHOR BRONZE.
- PIN FINISH :  
9100 - TIN/LEAD OVER NICKEL PLATE.  
9108 - .000050 NICKEL PLATE ALL OVER;  
.000030 SELECTIVE GOLD IN MATING AREA, .0001-.0002 SEL. TIN/LEAD ON SOLDER TAIL.  
910F - .000050 NICKEL PLATE ALL OVER;  
.000015 SELECTIVE GOLD IN MATING AREA, .0001-.0002 SEL. TIN/LEAD ON SOLDER TAIL.



RECOMMENDED P.C. BOARD LAYOUT

| PART NO.       | No. OF CIRCUITS | A ±.005 (±.13) | B ±.010 (±.25) | C ±.010 (±.25) |
|----------------|-----------------|----------------|----------------|----------------|
| 910X-41-202-01 | 4               | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -203- ↑      | 6               | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -204- ↑      | 8               | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -205- ↑      | 10              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -206- ↑      | 12              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -207- ↑      | 14              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -208- ↑      | 16              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -209- ↑      | 18              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -210- ↑      | 20              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -211- ↑      | 22              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -212- ↑      | 24              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -213- ↑      | 26              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -214- ↑      | 28              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -215- ↑      | 30              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -216- ↑      | 32              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -217- ↑      | 34              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -218- ↑      | 36              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -219- ↑      | 38              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -220- ↑      | 40              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -221- ↑      | 42              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -222- ↑      | 44              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -223- ↑      | 46              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -224- ↑      | 48              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -225- ↑      | 50              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -226- ↑      | 52              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -227- ↑      | 54              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -228- ↑      | 56              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -229- ↑      | 58              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -230- ↑      | 60              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -231- ↑      | 62              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -232- ↑      | 64              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -233- ↑      | 66              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -234- ↑      | 68              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -235- ↑      | 70              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -236- ↑      | 72              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -237- ↑      | 74              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -238- ↑      | 76              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| ↑ -239- ↑      | 78              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |
| 910X-41-240-01 | 80              | .100 (2.54)    | .220 (5.59)    | .210 (7.87)    |



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+353 (0) 61 401222 • Fax: +353 (0) 61 401942

Email: info@methode.ie • Web: ireland.methode.com/main.html

### Far East:

#### Methode Electronics Far East, Pte. Ltd.

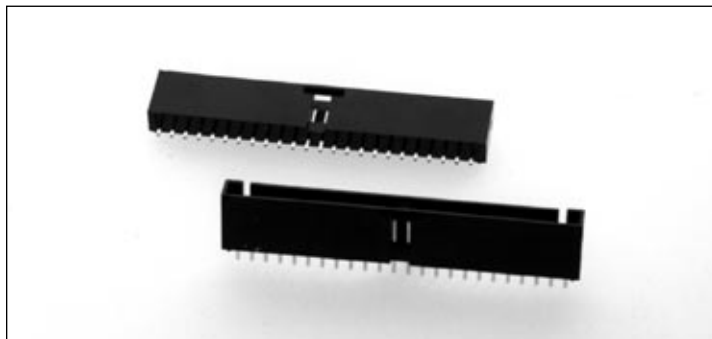
1 Tuas Lane, Jurong Town • Singapore 638610

65-68615444 • Fax: 65-68614777

Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Single Row, Through Hole, Vertical Shrouded Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

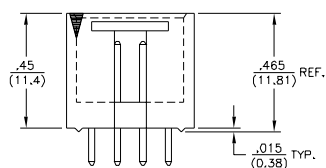
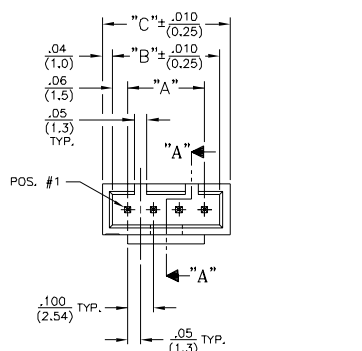
91XX-6-1XX-01

**NUMBER OF POSITIONS**  
(SEE TABLE)

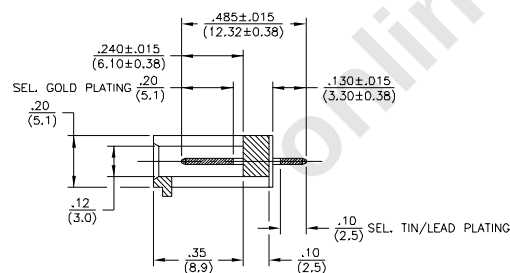
**PIN PLATING**  
(SEE NOTE 4)

**INSULATOR MATERIAL**  
(SEE NOTE 2)

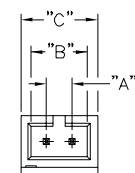
**MATING CONNECTORS: 9300 SERIES RECEPTACLES**



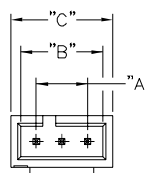
4 THRU 40 POSITION



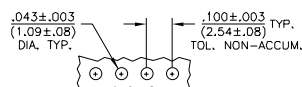
SECTION "A-A"



2 POSITION



3 POSITION



RECOMMENDED P.C. BOARD LAYOUT

### NOTES:

- ALL DIMENSIONS ARE SHOWN AS INCHES/(MM).
- INSULATOR MATERIAL = 910X - POLYESTER (PBT); 30% GLASS FILLED; UL 94V-0  
911X - POLYESTER (PCT); 30% GLASS FILLED; UL 94V-0;
- PIN MATERIAL = PHOSPHOR BRONZE.
- PIN FINISH =  
910Q - TIN OVER NICKEL PLATE;  
910R - SEL. GOLD PLATE (.000030) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE OVERALL;  
910E - SEL. GOLD PLATE (.000015) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE OVERALL;

| No. OF POS. | PART No.      | DIM "A"       | DIM "B"        | DIM "C"        |
|-------------|---------------|---------------|----------------|----------------|
| 2           | 910X-6-102-01 | .100/(2.54)   | .220/(5.59)    | .300/(7.62)    |
| 3           | 103           | .200/(5.08)   | .320/(8.13)    | .400/(10.16)   |
| 4           | 104           | .300/(7.62)   | .420/(10.67)   | .500/(12.70)   |
| 5           | 105           | .400/(10.16)  | .520/(13.21)   | .600/(15.24)   |
| 6           | 106           | .500/(12.70)  | .620/(15.75)   | .700/(17.78)   |
| 7           | 107           | .600/(15.24)  | .720/(18.29)   | .800/(20.32)   |
| 8           | 108           | .700/(17.78)  | .820/(20.83)   | .900/(22.86)   |
| 9           | 109           | .800/(20.32)  | .920/(23.37)   | 1.000/(25.40)  |
| 10          | 110           | .900/(22.86)  | 1.020/(25.91)  | 1.100/(27.94)  |
| 11          | 111           | 1.000/(25.40) | 1.120/(28.45)  | 1.200/(30.48)  |
| 12          | 112           | 1.100/(27.94) | 1.220/(30.99)  | 1.300/(33.02)  |
| 13          | 113           | 1.200/(30.48) | 1.320/(33.53)  | 1.400/(35.56)  |
| 14          | 114           | 1.300/(33.02) | 1.420/(36.07)  | 1.500/(38.10)  |
| 15          | 115           | 1.400/(35.56) | 1.520/(38.61)  | 1.600/(40.64)  |
| 16          | 116           | 1.500/(38.10) | 1.620/(41.15)  | 1.700/(43.18)  |
| 17          | 117           | 1.600/(40.64) | 1.720/(43.69)  | 1.800/(45.72)  |
| 18          | 118           | 1.700/(43.18) | 1.820/(46.23)  | 1.900/(48.26)  |
| 19          | 119           | 1.800/(45.72) | 1.920/(48.77)  | 2.000/(50.80)  |
| 20          | 120           | 1.900/(48.26) | 2.020/(51.31)  | 2.100/(53.34)  |
| 21          | 121           | 2.000/(50.80) | 2.120/(53.85)  | 2.200/(55.88)  |
| 22          | 122           | 2.100/(53.34) | 2.220/(56.39)  | 2.300/(58.42)  |
| 23          | 123           | 2.200/(55.88) | 2.320/(58.93)  | 2.400/(60.96)  |
| 24          | 124           | 2.300/(58.42) | 2.420/(61.47)  | 2.500/(63.50)  |
| 25          | 125           | 2.400/(60.96) | 2.520/(64.01)  | 2.600/(66.04)  |
| 26          | 126           | 2.500/(63.50) | 2.620/(66.55)  | 2.700/(68.58)  |
| 27          | 127           | 2.600/(66.04) | 2.720/(69.09)  | 2.800/(71.12)  |
| 28          | 128           | 2.700/(68.58) | 2.820/(71.63)  | 2.900/(73.66)  |
| 29          | 129           | 2.800/(71.12) | 2.920/(74.17)  | 3.000/(76.20)  |
| 30          | 130           | 2.900/(73.66) | 3.020/(76.71)  | 3.100/(78.74)  |
| 31          | 131           | 3.000/(76.20) | 3.120/(79.25)  | 3.200/(81.28)  |
| 32          | 132           | 3.100/(78.74) | 3.220/(81.79)  | 3.300/(83.82)  |
| 33          | 133           | 3.200/(81.28) | 3.320/(84.33)  | 3.400/(86.36)  |
| 34          | 134           | 3.300/(83.82) | 3.420/(86.87)  | 3.500/(88.90)  |
| 35          | 135           | 3.400/(86.36) | 3.520/(89.41)  | 3.600/(91.44)  |
| 36          | 136           | 3.500/(88.90) | 3.620/(91.95)  | 3.700/(93.98)  |
| 37          | 137           | 3.600/(91.44) | 3.720/(94.49)  | 3.800/(96.52)  |
| 38          | 138           | 3.700/(93.98) | 3.820/(97.03)  | 3.900/(99.06)  |
| 39          | 139           | 3.800/(96.52) | 3.920/(99.57)  | 4.000/(101.60) |
| 40          | 910X-6-140-01 | 3.900/(99.06) | 4.020/(102.11) | 4.100/(104.14) |



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Far East:

**Methode Electronics Far East, Pte. Ltd.**

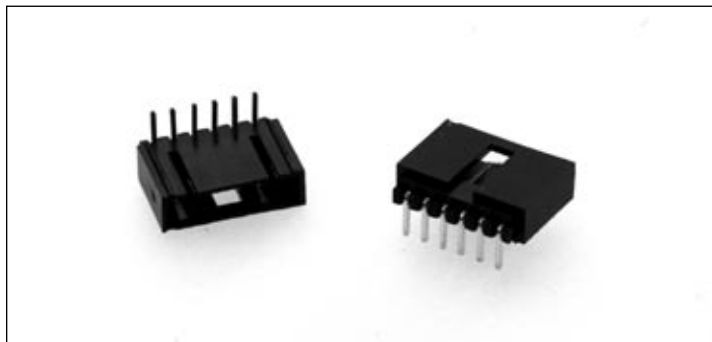
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# .100" (2.54mm) Single Row, Through Hole, Right Angle Shrouded Header



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

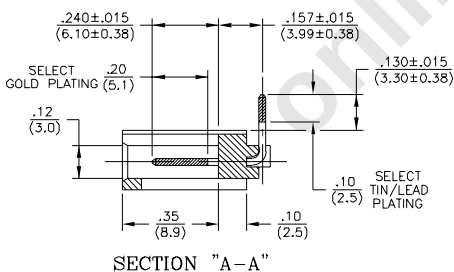
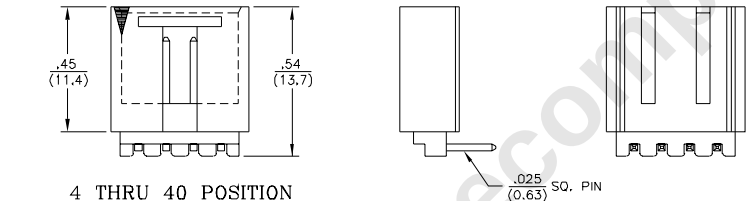
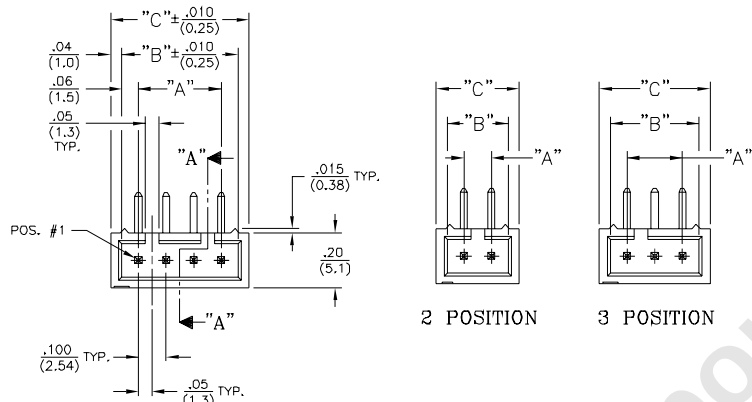
91XX-7-1XX-01

NUMBER OF POSITIONS  
(SEE TABLE )  
PIN PLATING  
(SEE NOTE 4)  
INSULATOR MATERIAL  
(SEE NOTE 2)

MATING CONNECTORS: 9300 SERIES RECEPTACLES

### NOTES:

- ALL DIMENSIONS ARE SHOWN AS INCHES/(MM).
- INSULATOR MATERIAL = 9100-7-2XX-01: POLYESTER (PBT), 30% GLASS FILLED, UL94V-0  
9110-7-2XX-01: POLYESTER (PCT), 30% GLASS FILLED, UL94V-0
- PIN MATERIAL = PHOSPHOR BRONZE.
- PIN FINISH =  
9100 - TIN OVER NICKEL PLATE;  
9108 - SEL. GOLD PLATE (.000030) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE OVERALL;  
910E - SEL. GOLD PLATE (.000015) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE OVERALL;



RECOMMENDED P.C. BOARD LAYOUT

| No. OF POS. | PART No.      | DIM "A"       | DIM "B"        | DIM "C"        |
|-------------|---------------|---------------|----------------|----------------|
| 2           | 910X-7-102-01 | .100/(2.54)   | .220/(5.59)    | .300/(7.62)    |
| 3           | 103           | .200/(5.08)   | .320/(8.13)    | .400/(10.16)   |
| 4           | 104           | .300/(7.62)   | .420/(10.67)   | .500/(12.70)   |
| 5           | 105           | .400/(10.16)  | .520/(13.21)   | .600/(15.24)   |
| 6           | 106           | .500/(12.70)  | .620/(15.75)   | .700/(17.78)   |
| 7           | 107           | .600/(15.24)  | .720/(18.29)   | .800/(20.32)   |
| 8           | 108           | .700/(17.78)  | .820/(20.83)   | .900/(22.86)   |
| 9           | 109           | .800/(20.32)  | .920/(23.37)   | 1.000/(25.40)  |
| 10          | 110           | .900/(22.86)  | 1.020/(25.91)  | 1.100/(27.94)  |
| 11          | 111           | 1.000/(25.40) | 1.120/(28.45)  | 1.200/(30.48)  |
| 12          | 112           | 1.100/(27.94) | 1.220/(30.99)  | 1.300/(33.02)  |
| 13          | 113           | 1.200/(30.48) | 1.320/(33.53)  | 1.400/(35.56)  |
| 14          | 114           | 1.300/(33.02) | 1.420/(36.07)  | 1.500/(38.10)  |
| 15          | 115           | 1.400/(35.56) | 1.520/(38.61)  | 1.600/(40.64)  |
| 16          | 116           | 1.500/(38.10) | 1.620/(41.15)  | 1.700/(43.18)  |
| 17          | 117           | 1.600/(40.64) | 1.720/(43.69)  | 1.800/(45.72)  |
| 18          | 118           | 1.700/(43.18) | 1.820/(46.23)  | 1.900/(48.26)  |
| 19          | 119           | 1.800/(45.72) | 1.920/(48.77)  | 2.000/(50.80)  |
| 20          | 120           | 1.900/(48.26) | 2.020/(51.31)  | 2.100/(53.34)  |
| 21          | 121           | 2.000/(50.80) | 2.120/(53.85)  | 2.200/(55.88)  |
| 22          | 122           | 2.100/(53.34) | 2.220/(56.39)  | 2.300/(58.42)  |
| 23          | 123           | 2.200/(55.88) | 2.320/(58.93)  | 2.400/(60.96)  |
| 24          | 124           | 2.300/(58.42) | 2.420/(61.47)  | 2.500/(63.50)  |
| 25          | 125           | 2.400/(60.96) | 2.520/(64.01)  | 2.600/(66.04)  |
| 26          | 126           | 2.500/(63.50) | 2.620/(66.55)  | 2.700/(68.58)  |
| 27          | 127           | 2.600/(66.04) | 2.720/(69.09)  | 2.800/(71.12)  |
| 28          | 128           | 2.700/(68.58) | 2.820/(71.63)  | 2.900/(73.66)  |
| 29          | 129           | 2.800/(71.12) | 2.920/(74.17)  | 3.000/(76.20)  |
| 30          | 130           | 2.900/(73.66) | 3.020/(76.71)  | 3.100/(78.74)  |
| 31          | 131           | 3.000/(76.20) | 3.120/(79.25)  | 3.200/(81.28)  |
| 32          | 132           | 3.100/(78.74) | 3.220/(81.79)  | 3.300/(83.82)  |
| 33          | 133           | 3.200/(81.28) | 3.320/(84.33)  | 3.400/(86.36)  |
| 34          | 134           | 3.300/(83.82) | 3.420/(86.87)  | 3.500/(88.90)  |
| 35          | 135           | 3.400/(86.36) | 3.520/(89.41)  | 3.600/(91.44)  |
| 36          | 136           | 3.500/(88.90) | 3.620/(91.95)  | 3.700/(93.98)  |
| 37          | 137           | 3.600/(91.44) | 3.720/(94.49)  | 3.800/(96.52)  |
| 38          | 138           | 3.700/(93.98) | 3.820/(97.03)  | 3.900/(99.06)  |
| 39          | 139           | 3.800/(96.52) | 3.920/(99.57)  | 4.000/(101.60) |
| 40          | 910X-7-140-01 | 3.900/(99.06) | 4.020/(102.11) | 4.100/(104.14) |



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Email: info@methode.ie • Web: ireland.methode.com/main.html

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Methode Electronics Far East, Pte. Ltd.

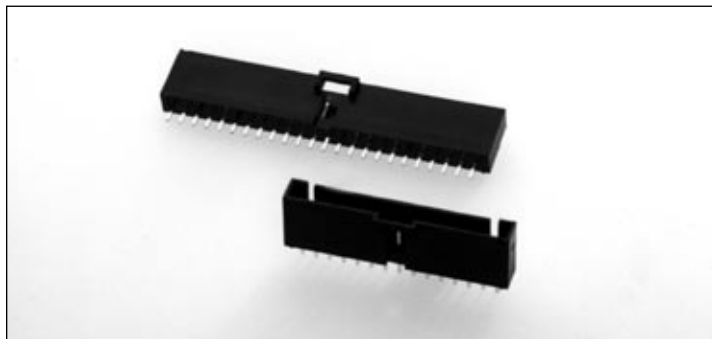
1 Tuas Lane, Jurong Town • Singapore 638610

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Email: sales@methode.com.sg • Web: www.methode.com/mefe/index.html



# .100" (2.54mm) Single Row, Through Hole, Vertical Shrouded Header with Latch



## 9100 SERIES ("POST/BOXE")

### PART NUMBER LEGEND

#### 91XX-8-1XX-0X

**PIN NUMBER**  
(SEE TABLE II)

**NUMBER OF POSITIONS**  
(SEE TABLE I)

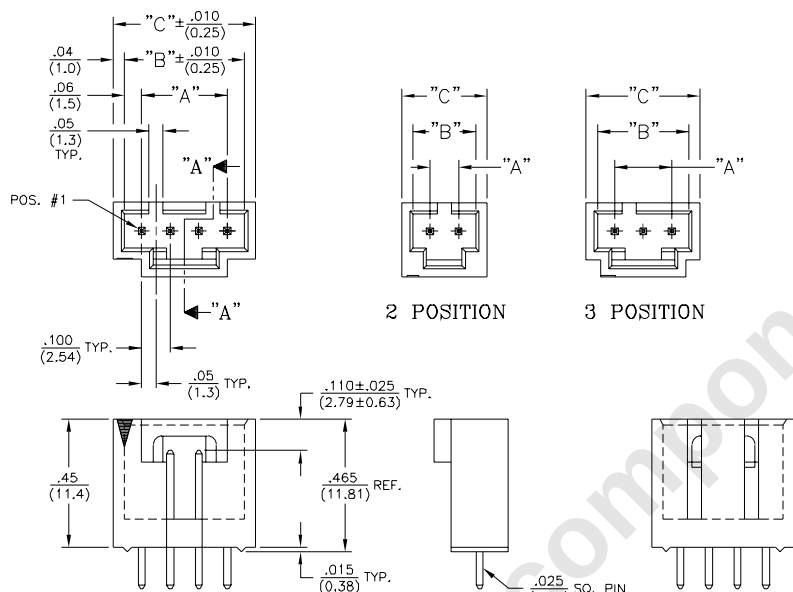
**PIN PLATING**  
(SEE NOTE 4)

**INSULATOR MATERIAL**  
(SEE NOTE 2)

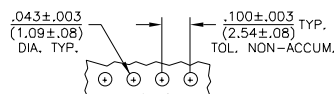
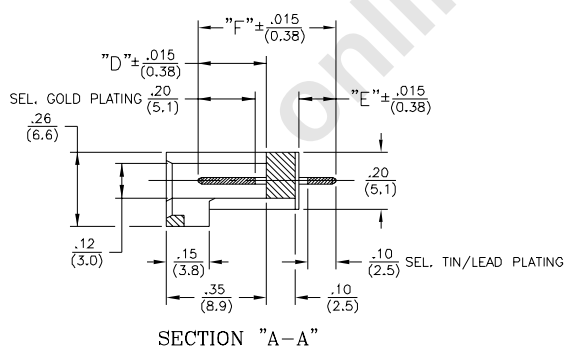
## MATING CONNECTORS: 9300 SERIES RECEPTACLES

### NOTES:

- ALL DIMENSIONS ARE SHOWN AS INCHES/(MM).
- INSULATOR MATERIAL = 9100-8-2XX-01; POLYESTER (PBT), 30% GLASS FILLED, UL94V-0  
9110-8-2XX-01; POLYESTER (PCT), 30% GLASS FILLED, UL94V-0
- PIN MATERIAL = PHOSPHOR BRONZE.
- PIN FINISH =  
9100 - TIN OVER NICKEL PLATE;  
9108 - SEL. GOLD PLATE (.000030) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE OVERALL;  
910F - SEL. GOLD PLATE (.000015) AND SEL. TIN/LEAD (.0001/.0002) WITH NICKEL UNDERPLATE OVERALL;



4 THRU 40 POSITION



RECOMMENDED P.C. BOARD LAYOUT

| TABLE II      |             |             |              |
|---------------|-------------|-------------|--------------|
| PART No.      | DIM "D"     | DIM "E"     | DIM "F"      |
| 910X-8-1XX-01 | .240/(6.10) | .130/(3.30) | .485/(12.32) |
| 910X-8-1XX-02 | .240/(6.10) | .205/(5.21) | .560/(14.22) |

| TABLE I     |               |               |                |                |
|-------------|---------------|---------------|----------------|----------------|
| No. OF POS. | PART No.      | DIM "A"       | DIM "B"        | DIM "C"        |
| 2           | 910X-8-102-XX | .100/(2.54)   | .220/(5.59)    | .300/(7.62)    |
| 3           | 103           | .200/(5.08)   | .320/(8.13)    | .400/(10.16)   |
| 4           | 104           | .300/(7.62)   | .420/(10.67)   | .500/(12.70)   |
| 5           | 105           | .400/(10.16)  | .520/(13.21)   | .600/(15.24)   |
| 6           | 106           | .500/(12.70)  | .620/(15.75)   | .700/(17.78)   |
| 7           | 107           | .600/(15.24)  | .720/(18.29)   | .800/(20.32)   |
| 8           | 108           | .700/(17.78)  | .820/(20.83)   | .900/(22.86)   |
| 9           | 109           | .800/(20.32)  | .920/(23.37)   | 1.000/(25.40)  |
| 10          | 110           | .900/(22.86)  | 1.020/(25.91)  | 1.100/(27.94)  |
| 11          | 111           | 1.000/(25.40) | 1.120/(28.45)  | 1.200/(30.48)  |
| 12          | 112           | 1.100/(27.94) | 1.220/(30.99)  | 1.300/(33.02)  |
| 13          | 113           | 1.200/(30.48) | 1.320/(33.53)  | 1.400/(35.56)  |
| 14          | 114           | 1.300/(33.02) | 1.420/(36.07)  | 1.500/(38.10)  |
| 15          | 115           | 1.400/(35.56) | 1.520/(38.61)  | 1.600/(40.64)  |
| 16          | 116           | 1.500/(38.10) | 1.620/(41.15)  | 1.700/(43.18)  |
| 17          | 117           | 1.600/(40.64) | 1.720/(43.69)  | 1.800/(45.72)  |
| 18          | 118           | 1.700/(43.18) | 1.820/(46.23)  | 1.900/(48.26)  |
| 19          | 119           | 1.800/(45.72) | 1.920/(48.77)  | 2.000/(50.80)  |
| 20          | 120           | 1.900/(48.26) | 2.020/(51.31)  | 2.100/(53.34)  |
| 21          | 121           | 2.000/(50.80) | 2.120/(53.85)  | 2.200/(55.88)  |
| 22          | 122           | 2.100/(53.34) | 2.220/(56.39)  | 2.300/(58.42)  |
| 23          | 123           | 2.200/(55.88) | 2.320/(58.93)  | 2.400/(60.96)  |
| 24          | 124           | 2.300/(58.42) | 2.420/(61.47)  | 2.500/(63.50)  |
| 25          | 125           | 2.400/(60.96) | 2.520/(64.01)  | 2.600/(66.04)  |
| 26          | 126           | 2.500/(63.50) | 2.620/(66.55)  | 2.700/(68.58)  |
| 27          | 127           | 2.600/(66.04) | 2.720/(69.09)  | 2.800/(71.12)  |
| 28          | 128           | 2.700/(68.58) | 2.820/(71.63)  | 2.900/(73.66)  |
| 29          | 129           | 2.800/(71.12) | 2.920/(74.17)  | 3.000/(76.20)  |
| 30          | 130           | 2.900/(73.66) | 3.020/(76.71)  | 3.100/(78.74)  |
| 31          | 131           | 3.000/(76.20) | 3.120/(79.25)  | 3.200/(81.28)  |
| 32          | 132           | 3.100/(78.74) | 3.220/(81.79)  | 3.300/(83.82)  |
| 33          | 133           | 3.200/(81.28) | 3.320/(84.33)  | 3.400/(86.36)  |
| 34          | 134           | 3.300/(83.82) | 3.420/(86.87)  | 3.500/(88.90)  |
| 35          | 135           | 3.400/(86.36) | 3.520/(89.41)  | 3.600/(91.44)  |
| 36          | 136           | 3.500/(88.90) | 3.620/(91.95)  | 3.700/(93.98)  |
| 37          | 137           | 3.600/(91.44) | 3.720/(94.49)  | 3.800/(96.52)  |
| 38          | 138           | 3.700/(93.98) | 3.820/(97.03)  | 3.900/(99.06)  |
| 39          | 139           | 3.800/(96.52) | 3.920/(99.57)  | 4.000/(101.60) |
| 40          | 910X-8-140-XX | 3.900/(99.06) | 4.020/(102.11) | 4.100/(104.14) |



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- **PIN NUMBER**  
(SEE TABLE II)
- **NUMBER OF POSITIONS**  
(SEE TABLE I)
- **PIN PLATING**  
(SEE NOTE 4)
- **INSULATOR MATERIAL**  
(SEE NOTE 2)

SECTION "A-A"

## SECTION "A-A"

## RECOMMENDED P.C. BOARD LAYOUT

| PART No.      | DIM "D"     |
|---------------|-------------|
| 910X-9-1XX-01 | .130/(3.30) |
| 910X-9-1XX-02 | .079/(2.00) |
| 910X-9-1XX-03 | .200/(5.08) |

| No. OF<br>POS. | PART No.      | DIM<br>"A"    | DIM<br>"B"     | DIM<br>"C"     |
|----------------|---------------|---------------|----------------|----------------|
| 2              | 910X-9-102-0X | .100/(2.54)   | .220/(5.59)    | .300/(7.62)    |
| 3              | 103           | .200/(5.08)   | .320/(8.13)    | .400/(10.16)   |
| 4              | 104           | .300/(7.62)   | .420/(10.67)   | .500/(12.70)   |
| 5              | 105           | .400/(10.16)  | .520/(13.21)   | .600/(15.24)   |
| 6              | 106           | .500/(12.70)  | .620/(15.75)   | .700/(17.78)   |
| 7              | 107           | .600/(15.24)  | .720/(18.29)   | .800/(20.32)   |
| 8              | 108           | .700/(17.78)  | .820/(20.83)   | .900/(22.86)   |
| 9              | 109           | .800/(20.32)  | .920/(23.37)   | 1.000/(25.40)  |
| 10             | 110           | .900/(22.86)  | 1.020/(25.91)  | 1.100/(27.94)  |
| 11             | 111           | 1.000/(25.40) | 1.120/(28.45)  | 1.200/(30.48)  |
| 12             | 112           | 1.100/(27.94) | 1.220/(30.99)  | 1.300/(33.02)  |
| 13             | 113           | 1.200/(30.48) | 1.320/(33.53)  | 1.400/(35.56)  |
| 14             | 114           | 1.300/(33.02) | 1.420/(36.07)  | 1.500/(38.10)  |
| 15             | 115           | 1.400/(35.56) | 1.520/(38.61)  | 1.600/(40.64)  |
| 16             | 116           | 1.500/(38.10) | 1.620/(41.15)  | 1.700/(43.18)  |
| 17             | 117           | 1.600/(40.64) | 1.720/(43.69)  | 1.800/(45.72)  |
| 18             | 118           | 1.700/(43.18) | 1.820/(46.23)  | 1.900/(48.26)  |
| 19             | 119           | 1.800/(45.72) | 1.920/(48.77)  | 2.000/(50.80)  |
| 20             | 120           | 1.900/(48.26) | 2.020/(51.31)  | 2.100/(53.34)  |
| 21             | 121           | 2.000/(50.80) | 2.120/(53.85)  | 2.200/(55.88)  |
| 22             | 122           | 2.100/(53.34) | 2.220/(56.39)  | 2.300/(58.42)  |
| 23             | 123           | 2.200/(55.88) | 2.320/(58.93)  | 2.400/(60.96)  |
| 24             | 124           | 2.300/(58.42) | 2.420/(61.47)  | 2.500/(63.50)  |
| 25             | 125           | 2.400/(60.96) | 2.520/(64.01)  | 2.600/(66.04)  |
| 26             | 126           | 2.500/(63.50) | 2.620/(66.55)  | 2.700/(68.58)  |
| 27             | 127           | 2.600/(66.04) | 2.720/(69.09)  | 2.800/(71.12)  |
| 28             | 128           | 2.700/(68.58) | 2.820/(71.63)  | 2.900/(73.66)  |
| 29             | 129           | 2.800/(71.12) | 2.920/(74.17)  | 3.000/(76.20)  |
| 30             | 130           | 2.900/(73.66) | 3.020/(76.71)  | 3.100/(78.74)  |
| 31             | 131           | 3.000/(76.20) | 3.120/(79.25)  | 3.200/(81.28)  |
| 32             | 132           | 3.100/(78.74) | 3.220/(81.79)  | 3.300/(83.82)  |
| 33             | 133           | 3.200/(81.28) | 3.320/(84.33)  | 3.400/(86.36)  |
| 34             | 134           | 3.300/(83.82) | 3.420/(86.87)  | 3.500/(88.90)  |
| 35             | 135           | 3.400/(86.36) | 3.520/(89.41)  | 3.600/(91.44)  |
| 36             | 136           | 3.500/(88.90) | 3.620/(91.95)  | 3.700/(93.98)  |
| 37             | 137           | 3.600/(91.44) | 3.720/(94.49)  | 3.800/(96.52)  |
| 38             | 138           | 3.700/(93.98) | 3.820/(97.03)  | 3.900/(99.06)  |
| 39             | 139           | 3.800/(96.52) | 3.920/(99.57)  | 4.000/(101.60) |
| 40             | 910X-9-140-0X | 3.900/(99.06) | 4.020/(102.11) | 4.100/(104.14) |

