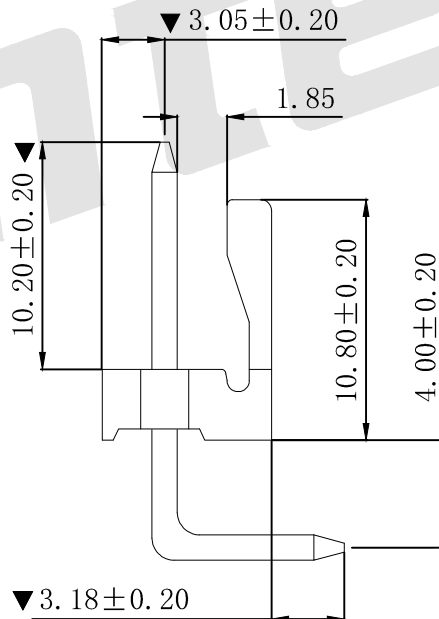


P. C. B LAYOUT



SPECIFICATIONS

- Voltage rating: 250V AC/DC
- Current rating: 5A, AC, DC
- Withstanding Voltage: 1500V AC/minute
- Insulation resistance: 1000MΩ min
- Temperature range: -25°C~+85°C
- Contact resistance: 20mΩ max

WAFER

- Part NO: AW3963R-NP-FW
- Poles: 02-20P
- Housing Material: Nylon66 UL94V-0
- Pin Material: Brass
- Contact Area Plating: Tin-plated
- The Dimension Marked “▼” Must Be Recorded

| Poles | Part No.       | Dimensions (mm) |       |
|-------|----------------|-----------------|-------|
|       |                | A               | B     |
| 2     | AW3963R-02P-FW | 3.96            | 7.92  |
| 3     | AW3963R-03P-FW | 7.92            | 11.88 |
| 4     | AW3963R-04P-FW | 11.88           | 15.84 |
| 5     | AW3963R-05P-FW | 15.84           | 19.80 |
| 6     | AW3963R-06P-FW | 19.80           | 23.76 |
| 7     | AW3963R-07P-FW | 23.76           | 27.72 |
| 8     | AW3963R-08P-FW | 27.72           | 31.68 |
| 9     | AW3963R-09P-FW | 31.68           | 35.64 |
| 10    | AW3963R-10P-FW | 35.64           | 39.60 |
| 11    | AW3963R-11P-FW | 39.60           | 43.56 |
| 12    | AW3963R-12P-FW | 43.56           | 47.52 |
| 13    | AW3963R-13P-FW | 47.52           | 51.48 |
| 14    | AW3963R-14P-FW | 51.48           | 55.44 |
| 15    | AW3963R-15P-FW | 55.44           | 59.40 |
| 16    | AW3963R-16P-FW | 59.40           | 63.36 |
| 17    | AW3963R-17P-FW | 63.36           | 67.32 |
| 18    | AW3963R-18P-FW | 67.32           | 71.28 |
| 19    | AW3963R-19P-FW | 71.28           | 75.24 |
| 20    | AW3963R-20P-FW | 75.24           | 79.20 |

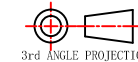
Unless otherwise specified tolerance  
 X. ±0.35 X.XX: ±0.20  
 X.X: ±0.25 X.XXX: ±0.15



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[Http://www.antenk.com](http://www.antenk.com)  
 E-mail: sales@antenk.com

|                    |                    |
|--------------------|--------------------|
| SCALE:<br>As Shown | UNIT:<br>mm        |
| DRAW<br>Jack Bao   | DATE<br>08/10/2017 |
| CHECK<br>Bob Yang  | DATE<br>08/10/2017 |

TITLE: 3.96mm I D C 90° Wafer  
 Connector Series



DRAWING NO: AW3963R-NP-FW  
 PRODUCT NO: AW3963R-NP-FW

| REV | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |