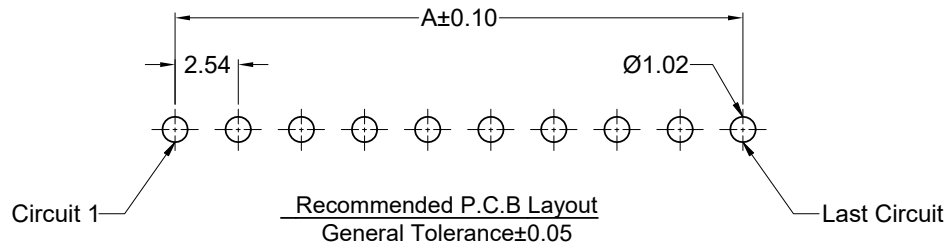
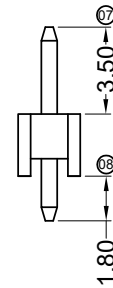
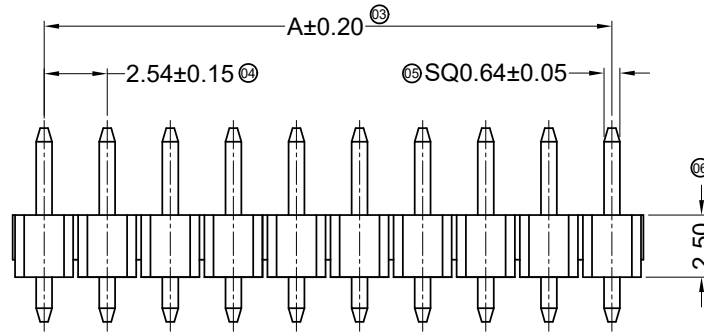
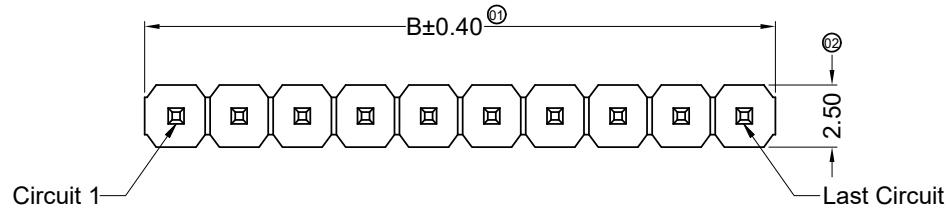


RoHS



### Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:  $\geq 1000M\Omega$
- Contact resistance:  $\leq 20m\Omega$
- After environmental testing:  $\leq 30m\Omega$
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X - XX X - 6T V01 XX- 02

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mouting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: XX-02P~40P  
⑥ Special No.: Blank-ordinary  
⑦ Material: 6T-PA6T 94V-0  
⑧ Plating Code: V01-Gold Flash  
⑨ Color: Blank-Black Color  
⑩ 02-3.50/2.50/1.80

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B      |
| 02    | 2.54           | 5.08  | 22    | 53.34          | 55.88  |
| 03    | 5.08           | 7.62  | 23    | 55.88          | 58.42  |
| 04    | 7.62           | 10.16 | 24    | 58.42          | 60.96  |
| 05    | 10.16          | 12.70 | 25    | 60.96          | 63.50  |
| 06    | 12.70          | 15.24 | 26    | 63.50          | 66.04  |
| 07    | 15.24          | 17.78 | 27    | 66.04          | 68.58  |
| 08    | 17.78          | 20.32 | 28    | 68.58          | 71.12  |
| 09    | 20.32          | 22.86 | 29    | 71.12          | 73.66  |
| 10    | 22.86          | 25.40 | 30    | 73.66          | 76.20  |
| 11    | 25.40          | 27.94 | 31    | 76.20          | 78.74  |
| 12    | 27.94          | 30.48 | 32    | 78.74          | 81.28  |
| 13    | 30.48          | 33.02 | 33    | 81.28          | 83.82  |
| 14    | 33.02          | 35.56 | 34    | 83.82          | 86.36  |
| 15    | 35.56          | 38.10 | 35    | 86.36          | 88.90  |
| 16    | 38.10          | 40.64 | 36    | 88.90          | 91.44  |
| 17    | 40.64          | 43.18 | 37    | 91.44          | 93.98  |
| 18    | 43.18          | 45.72 | 38    | 93.98          | 96.52  |
| 19    | 45.72          | 48.26 | 39    | 96.52          | 99.06  |
| 20    | 48.26          | 50.80 | 40    | 99.06          | 101.60 |
| 21    | 50.80          | 53.34 |       |                |        |

GENERAL TOLERANCE

.X  $\pm 0.30$  mm

.XX  $\pm 0.20$

.XXX  $\pm 0.10$

X.°  $\pm 2^\circ$

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

YANG

TIAN

TIAN

2019/09/04

PART NO.

6501WV-XX-6TV01-02

TITLE

2.54mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

1 : 1

1/1

A0

A-268

A

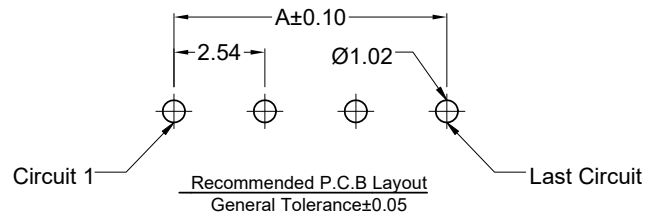
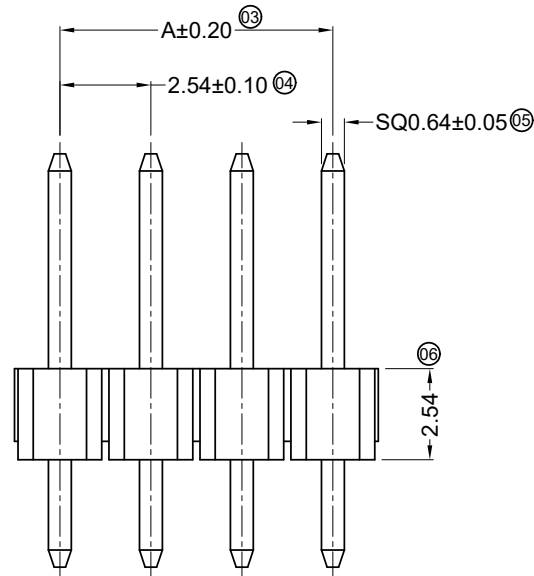
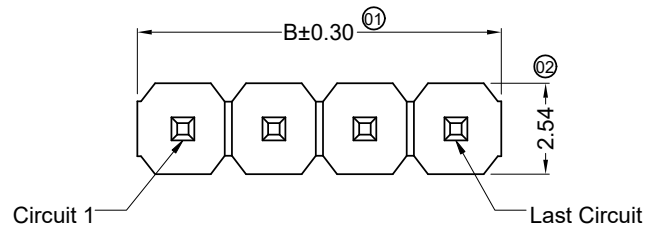


| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B     |       | A               | B      |
| 01    | --              | 2.54  | 15    | 35.56           | 38.10 | 29    | 71.12           | 73.66  |
| 02    | 2.54            | 5.08  | 16    | 38.10           | 40.64 | 30    | 73.66           | 76.20  |
| 03    | 5.08            | 7.62  | 17    | 40.64           | 43.18 | 31    | 76.20           | 78.74  |
| 04    | 7.62            | 10.16 | 18    | 43.18           | 45.72 | 32    | 78.74           | 81.28  |
| 05    | 10.16           | 12.70 | 19    | 45.72           | 48.26 | 33    | 81.28           | 83.82  |
| 06    | 12.70           | 15.24 | 20    | 48.26           | 50.80 | 34    | 83.82           | 86.36  |
| 07    | 15.24           | 17.78 | 21    | 50.80           | 53.34 | 35    | 86.36           | 88.90  |
| 08    | 17.78           | 20.32 | 22    | 53.34           | 55.88 | 36    | 88.90           | 91.44  |
| 09    | 20.32           | 22.86 | 23    | 55.88           | 58.42 | 37    | 91.44           | 93.98  |
| 10    | 22.86           | 25.40 | 24    | 58.42           | 60.96 | 38    | 93.98           | 96.52  |
| 11    | 25.40           | 27.94 | 25    | 60.96           | 63.50 | 39    | 96.52           | 99.06  |
| 12    | 27.94           | 30.48 | 26    | 63.50           | 66.04 | 40    | 99.06           | 101.60 |
| 13    | 30.48           | 33.02 | 27    | 66.04           | 68.58 |       |                 |        |
| 14    | 33.02           | 35.56 | 28    | 68.58           | 71.12 |       |                 |        |

A horizontal number line with tick marks at every integer from 1 to 8. The segment between 2 and 3 is shaded gray.

A

RoHS



### ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X -XX X - 6T V01 XX - Q  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: XX-02P~40P  
⑥ Special No.: Blank-Ordinary  
⑦ Material: 6T-PA6T 94V-0  
⑧ Plating Code: V01-Gold Flash  
⑨ Color: Blank-Black Color  
⑩ Q-6.00/2.54/3.00

| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B      |
| 01    | --              | 2.54  | 21    | 50.80           | 53.34  |
| 02    | 2.54            | 5.08  | 22    | 53.34           | 55.88  |
| 03    | 5.08            | 7.62  | 23    | 55.88           | 58.42  |
| 04    | 7.62            | 10.16 | 24    | 58.42           | 60.96  |
| 05    | 10.16           | 12.70 | 25    | 60.96           | 63.50  |
| 06    | 12.70           | 15.24 | 26    | 63.50           | 66.04  |
| 07    | 15.24           | 17.78 | 27    | 66.04           | 68.58  |
| 08    | 17.78           | 20.32 | 28    | 68.58           | 71.12  |
| 09    | 20.32           | 22.86 | 29    | 71.12           | 73.66  |
| 10    | 22.86           | 25.40 | 30    | 73.66           | 76.20  |
| 11    | 25.40           | 27.94 | 31    | 76.20           | 78.74  |
| 12    | 27.94           | 30.48 | 32    | 78.74           | 81.28  |
| 13    | 30.48           | 33.02 | 33    | 81.28           | 83.82  |
| 14    | 33.02           | 35.56 | 34    | 83.82           | 86.36  |
| 15    | 35.56           | 38.10 | 35    | 86.36           | 88.90  |
| 16    | 38.10           | 40.64 | 36    | 88.90           | 91.44  |
| 17    | 40.64           | 43.18 | 37    | 91.44           | 93.98  |
| 18    | 43.18           | 45.72 | 38    | 93.98           | 96.52  |
| 19    | 45.72           | 48.26 | 39    | 96.52           | 99.06  |
| 20    | 48.26           | 50.80 | 40    | 99.06           | 101.60 |

#### GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

PROJECT



YANG

TIAN

TIAN

2011/09/08

PART NO.

6501WV-XX-6TV01-Q

TITLE

2.54 mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

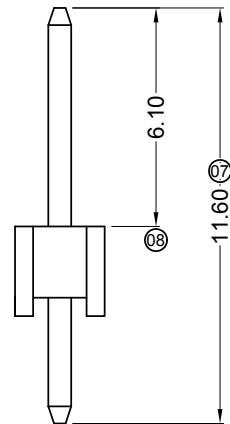
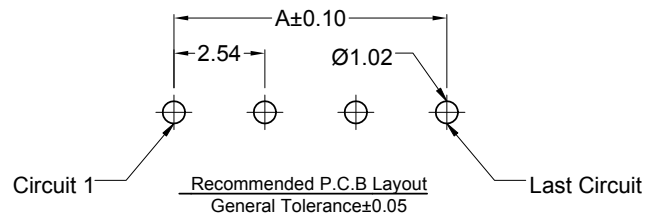
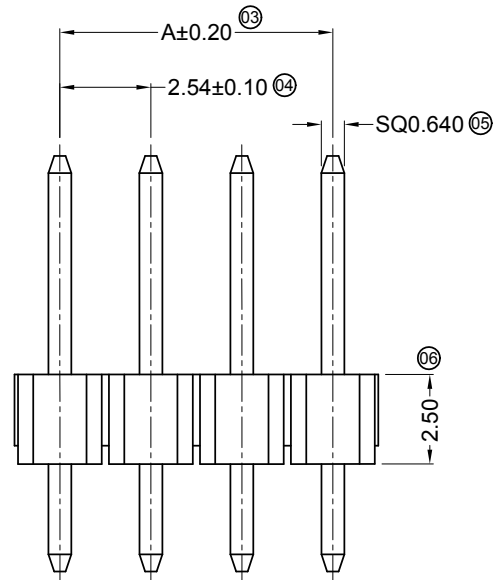
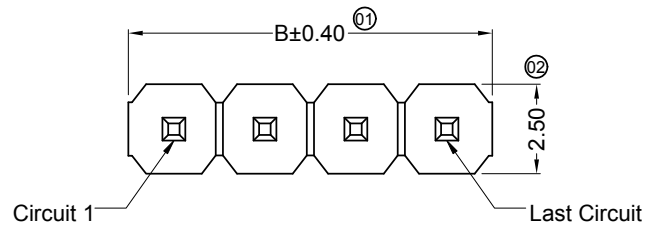
1 : 1

1/1

A0

A-268

RoHS



### Specifications:

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:  $\geq 1000M\Omega$
- Contact resistance:  $\leq 20m\Omega$
- After environmental testing:  $\leq 30m\Omega$
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

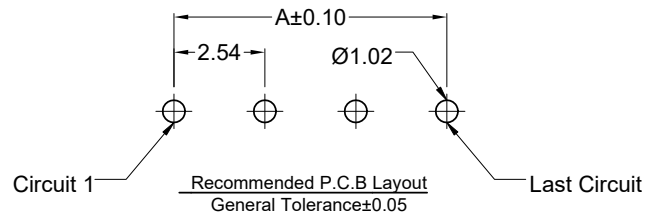
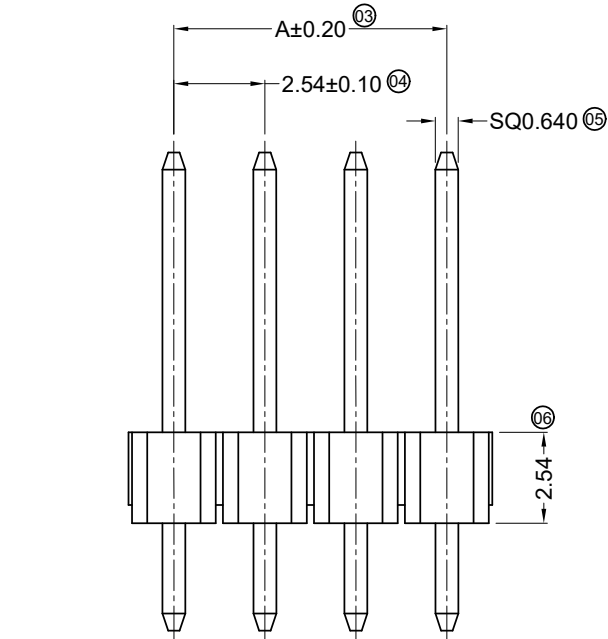
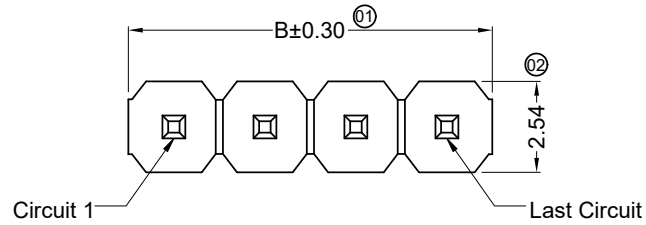
6501 W V X -XX X - 6T V01 XX - W  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: XX-02P~40P  
⑥ Special No.: Blank-Ordinary  
⑦ Material: 6T-PA6T 94V-0  
⑧ Plating Code: V01-Gold Flash  
⑨ Color: Blank-Black Color  
⑩ W-6.10/2.50/3.00

| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B      |
| 01    | --              | 2.54  | 21    | 50.80           | 53.34  |
| 02    | 2.54            | 5.08  | 22    | 53.34           | 55.88  |
| 03    | 5.08            | 7.62  | 23    | 55.88           | 58.42  |
| 04    | 7.62            | 10.16 | 24    | 58.42           | 60.96  |
| 05    | 10.16           | 12.70 | 25    | 60.96           | 63.50  |
| 06    | 12.70           | 15.24 | 26    | 63.50           | 66.04  |
| 07    | 15.24           | 17.78 | 27    | 66.04           | 68.58  |
| 08    | 17.78           | 20.32 | 28    | 68.58           | 71.12  |
| 09    | 20.32           | 22.86 | 29    | 71.12           | 73.66  |
| 10    | 22.86           | 25.40 | 30    | 73.66           | 76.20  |
| 11    | 25.40           | 27.94 | 31    | 76.20           | 78.74  |
| 12    | 27.94           | 30.48 | 32    | 78.74           | 81.28  |
| 13    | 30.48           | 33.02 | 33    | 81.28           | 83.82  |
| 14    | 33.02           | 35.56 | 34    | 83.82           | 86.36  |
| 15    | 35.56           | 38.10 | 35    | 86.36           | 88.90  |
| 16    | 38.10           | 40.64 | 36    | 88.90           | 91.44  |
| 17    | 40.64           | 43.18 | 37    | 91.44           | 93.98  |
| 18    | 43.18           | 45.72 | 38    | 93.98           | 96.52  |
| 19    | 45.72           | 48.26 | 39    | 96.52           | 99.06  |
| 20    | 48.26           | 50.80 | 40    | 99.06           | 101.60 |

|      |     |         |             |        |          |                   |                                                                                                                             |       |       |            |                                        |       |       |     |        |
|------|-----|---------|-------------|--------|----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------|------------|----------------------------------------|-------|-------|-----|--------|
|      |     |         |             |        |          | GENERAL TOLERANCE | <div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司</div><div>DONGGUO GUOYA ELECTRONICS CO.,LTD</div></div> |       |       |            | PART NO.<br>6501WV-XX-6TV01-W          |       |       |     |        |
|      |     |         |             |        |          | .X ±0.30          |                                                                                                                             |       |       |            | TITLE<br>2.54 mm Pin Header connectors |       |       |     |        |
|      |     |         |             |        |          | .XX ±0.20         | APPROVAL                                                                                                                    | CHECK | DRAWN | DATE       | UNIT                                   | SCALE | SHEET | REV | NUMBER |
|      |     |         |             |        |          | .XXX ±0.10        |                                                                                                                             |       |       |            | mm                                     | 1 : 1 | 1/1   | A0  | A-268  |
|      |     |         |             |        |          | X.° ±2°           |                                                                                                                             |       |       |            |                                        |       |       |     |        |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL | PROJECT<br>       | YANG                                                                                                                        | TIAN  | TIAN  | 2011/09/08 |                                        |       |       |     |        |

RoHS



### Specifications:

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X -XX X - 9T V01 XX - N  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: XX-02P~40P  
⑥ Special No.: Blank-Ordinary  
⑦ Material: 9T-PA9T 94V-0  
⑧ Plating Code: V01-Gold Flash  
⑨ Color: Blank-Black Color  
⑩ N-7.81/2.54/3.00

| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B      |
| 01    | --              | 2.54  | 21    | 50.80           | 53.34  |
| 02    | 2.54            | 5.08  | 22    | 53.34           | 55.88  |
| 03    | 5.08            | 7.62  | 23    | 55.88           | 58.42  |
| 04    | 7.62            | 10.16 | 24    | 58.42           | 60.96  |
| 05    | 10.16           | 12.70 | 25    | 60.96           | 63.50  |
| 06    | 12.70           | 15.24 | 26    | 63.50           | 66.04  |
| 07    | 15.24           | 17.78 | 27    | 66.04           | 68.58  |
| 08    | 17.78           | 20.32 | 28    | 68.58           | 71.12  |
| 09    | 20.32           | 22.86 | 29    | 71.12           | 73.66  |
| 10    | 22.86           | 25.40 | 30    | 73.66           | 76.20  |
| 11    | 25.40           | 27.94 | 31    | 76.20           | 78.74  |
| 12    | 27.94           | 30.48 | 32    | 78.74           | 81.28  |
| 13    | 30.48           | 33.02 | 33    | 81.28           | 83.82  |
| 14    | 33.02           | 35.56 | 34    | 83.82           | 86.36  |
| 15    | 35.56           | 38.10 | 35    | 86.36           | 88.90  |
| 16    | 38.10           | 40.64 | 36    | 88.90           | 91.44  |
| 17    | 40.64           | 43.18 | 37    | 91.44           | 93.98  |
| 18    | 43.18           | 45.72 | 38    | 93.98           | 96.52  |
| 19    | 45.72           | 48.26 | 39    | 96.52           | 99.06  |
| 20    | 48.26           | 50.80 | 40    | 99.06           | 101.60 |

#### GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

#### PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

YANG

TIAN

TIAN

2017/04/21

PART NO.  
6501WV-XX-9TV01-N

TITLE  
2.54 mm Pin Header connectors

| UNIT | SCALE | SHEET | REV | NUMBER |
|------|-------|-------|-----|--------|
| mm   | 1 : 1 | 1/1   | A0  | A-268  |

DATE

REV

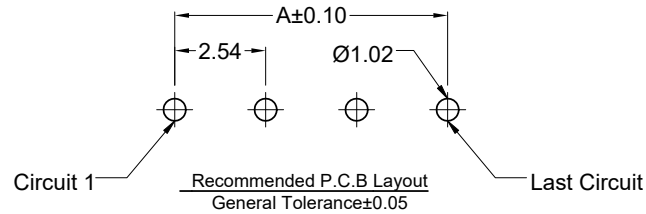
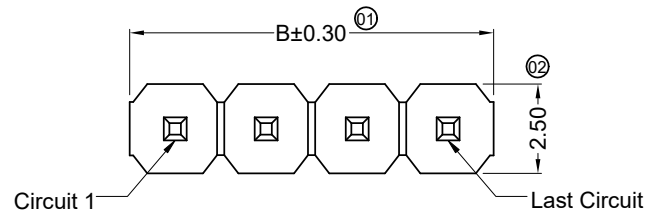
ECN NO.

DESCRIPTION

MODIFY

APPROVAL

RoHS

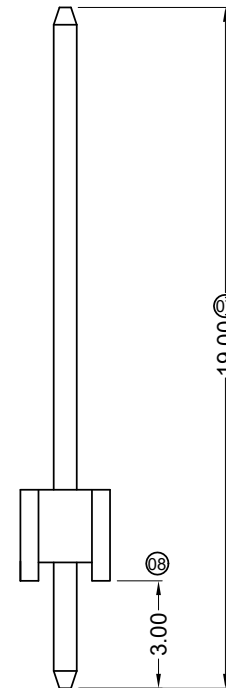
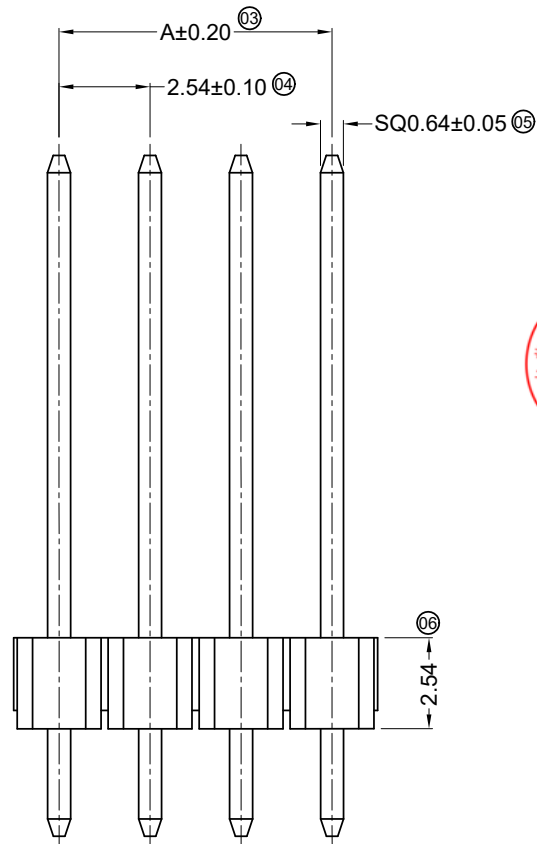


## ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X-XX X - 9T V01 XX - 04  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: XX-02P~40P  
⑥ Special No.: Blank-Ordinary  
⑦ Material: 9T-PA9T 94V-0  
⑧ Plating Code: V01-Gold Flash  
⑨ Color: Blank-Black color  
⑩ 04-13.46/2.54/3.00



| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B      |
| 01    | —               | 2.54  | 21    | 50.80           | 53.34  |
| 02    | 2.54            | 5.08  | 22    | 53.34           | 55.88  |
| 03    | 5.08            | 7.62  | 23    | 55.88           | 58.42  |
| 04    | 7.62            | 10.16 | 24    | 58.42           | 60.96  |
| 05    | 10.16           | 12.70 | 25    | 60.96           | 63.50  |
| 06    | 12.70           | 15.24 | 26    | 63.50           | 66.04  |
| 07    | 15.24           | 17.78 | 27    | 66.04           | 68.58  |
| 08    | 17.78           | 20.32 | 28    | 68.58           | 71.12  |
| 09    | 20.32           | 22.86 | 29    | 71.12           | 73.66  |
| 10    | 22.86           | 25.40 | 30    | 73.66           | 76.20  |
| 11    | 25.40           | 27.94 | 31    | 76.20           | 78.74  |
| 12    | 27.94           | 30.48 | 32    | 78.74           | 81.28  |
| 13    | 30.48           | 33.02 | 33    | 81.28           | 83.82  |
| 14    | 33.02           | 35.56 | 34    | 83.82           | 86.36  |
| 15    | 35.56           | 38.10 | 35    | 86.36           | 88.90  |
| 16    | 38.10           | 40.64 | 36    | 88.90           | 91.44  |
| 17    | 40.64           | 43.18 | 37    | 91.44           | 93.98  |
| 18    | 43.18           | 45.72 | 38    | 93.98           | 96.52  |
| 19    | 45.72           | 48.26 | 39    | 96.52           | 99.06  |
| 20    | 48.26           | 50.80 | 40    | 99.06           | 101.60 |



|      |     |         |             |        |          |                                                                                                  |                                                                                                                             |       |       |            |                                        |       |       |     |        |
|------|-----|---------|-------------|--------|----------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------|------------|----------------------------------------|-------|-------|-----|--------|
|      |     |         |             |        |          | GENERAL TOLERANCE                                                                                | <div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司</div><div>DONGGUO GUOYA ELECTRONICS CO.,LTD</div></div> |       |       |            | PART NO.<br>6501WV-XX-9TV01-04         |       |       |     |        |
|      |     |         |             |        |          | .X ±0.30                                                                                         |                                                                                                                             |       |       |            |                                        |       |       |     |        |
|      |     |         |             |        |          | .XX ±0.20                                                                                        |                                                                                                                             |       |       |            |                                        |       |       |     |        |
|      |     |         |             |        |          | .XXX ±0.10                                                                                       |                                                                                                                             |       |       |            |                                        |       |       |     |        |
|      |     |         |             |        |          | X.° ±2°                                                                                          | APPROVAL                                                                                                                    | CHECK | DRAWN | DATE       | TITLE<br>2.54 mm Pin Header connectors |       |       |     |        |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL | PROJECT<br> | YANG                                                                                                                        | TIAN  | TIAN  | 2019/11/25 | UNIT                                   | SCALE | SHEET | REV | NUMBER |
|      |     |         |             |        |          |                                                                                                  |                                                                                                                             |       |       |            | mm                                     | 1 : 1 | 1/1   | A0  | A-268  |

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

PROJECT



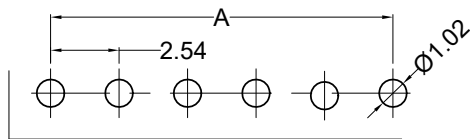
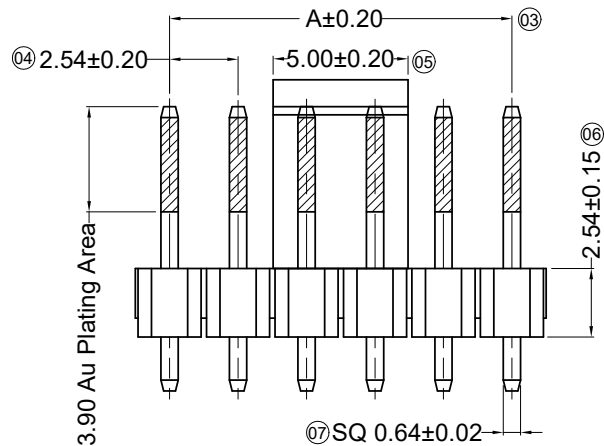
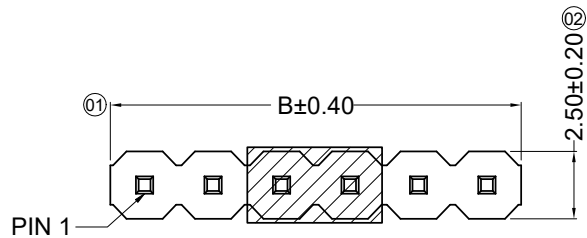
YANG

TIAN

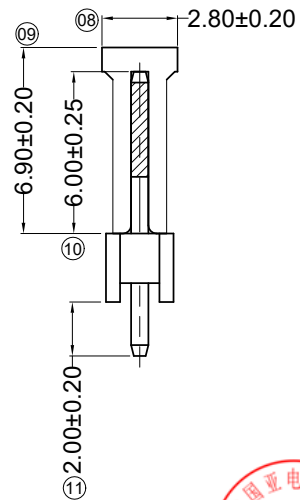
TIAN

2019/11/25

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05



## ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass Material(CAP): LCP UL94V-0 Halogen free
- Mates With GYA Wafer: 6501FX

6501 W V -XX FC - LP XXX -H

①②③④⑤⑥⑦⑧

① Series No.

② Category: W-wafer

③ Connector Type: V-180°

④ Row No.-Pin No Per Row.: XX-Single row

⑤ Special NO.: FC-Halogen free With CAP

⑥ Material: LP-LCP UL94V-0

⑦ Plating Code:

V01-Gold Flash Ni 50u"Min. Overall

V30-Contact Area Gold 30u"Min. Other Area Gold Flash Ni 50u"Min. Overall

SW-Matte Tin 100u"Min. Ni 50u"Min. Overall

⑧ H-L=6.00/2.54/2.00



| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B     |       | A               | B     |       | A               | B      |
| 01    | --              | 2.54  | 11    | 25.40           | 27.94 | 21    | 50.80           | 53.34 | 31    | 76.20           | 78.74  |
| 02    | 2.54            | 5.08  | 12    | 27.94           | 30.48 | 22    | 53.34           | 55.88 | 32    | 78.74           | 81.28  |
| 03    | 5.08            | 7.62  | 13    | 30.48           | 33.02 | 23    | 55.88           | 58.42 | 33    | 81.28           | 83.82  |
| 04    | 7.62            | 10.16 | 14    | 33.02           | 35.56 | 24    | 58.42           | 60.96 | 34    | 83.82           | 86.36  |
| 05    | 10.16           | 12.70 | 15    | 35.56           | 38.10 | 25    | 60.96           | 63.50 | 35    | 86.36           | 88.90  |
| 06    | 12.70           | 15.24 | 16    | 38.10           | 40.64 | 26    | 63.50           | 66.04 | 36    | 88.90           | 91.44  |
| 07    | 15.24           | 17.78 | 17    | 40.64           | 43.18 | 27    | 66.04           | 68.58 | 37    | 91.44           | 93.98  |
| 08    | 17.78           | 20.32 | 18    | 43.18           | 45.72 | 28    | 68.58           | 71.12 | 38    | 93.98           | 96.52  |
| 09    | 20.32           | 22.86 | 19    | 45.72           | 48.26 | 29    | 71.12           | 73.66 | 39    | 96.52           | 99.06  |
| 10    | 22.86           | 25.40 | 20    | 48.26           | 50.80 | 30    | 73.66           | 76.20 | 40    | 99.06           | 101.60 |

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX ±0.15

X.° ±2°

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

PART NO.

6501WV-XXFC-LPXXX-H

TITLE

2.54mm Pin Header connectors

UNIT

mm

SCALE

1:1

SHEET

1/1

REV

A0

NUMBER

A-213

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

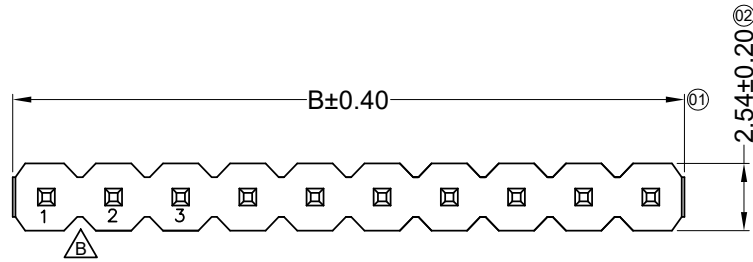
YANG

TIAN

TIAN

2017/04/20

RoHS



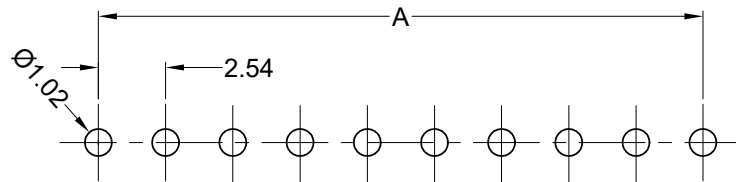
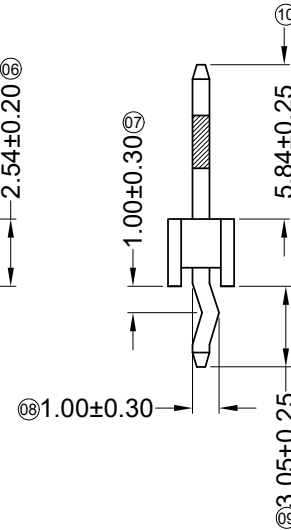
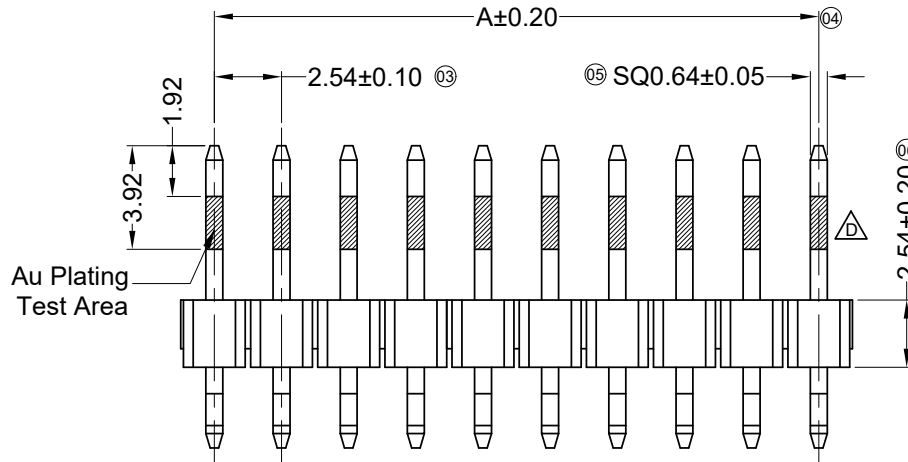
■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V -XX HF -4T XXX- T7

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.  
② Category: W-wafer  
③ Connector Type: V-180°  
④ Row No.-Pin No Per Row: XX-Single row  
⑤ Special NO.: HF-Halogen Free  
⑥ Material: 4T-PA4T 94V-0  
⑦ Plating Code: V01-Gold Flash, Ni 50u"Min.  
V15-Contact Area Au15u"Min. Other Area G/F Ni:50u"Min.  
⑧ T7-L=5.84/2.54/3.05

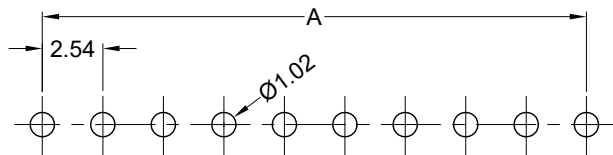
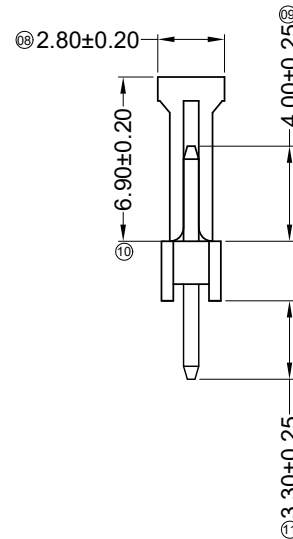
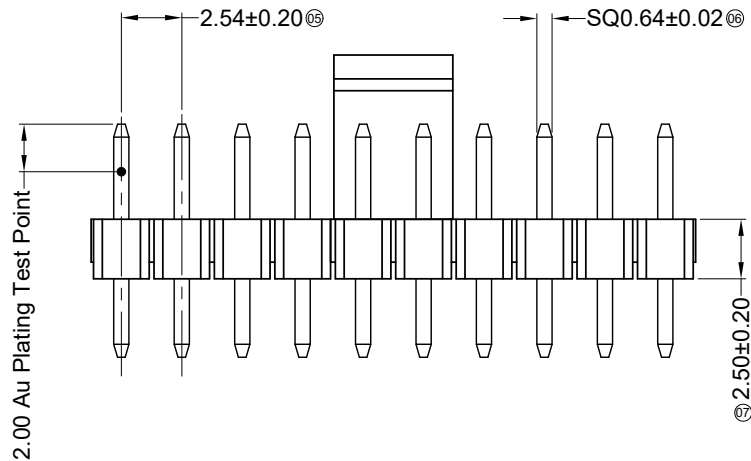
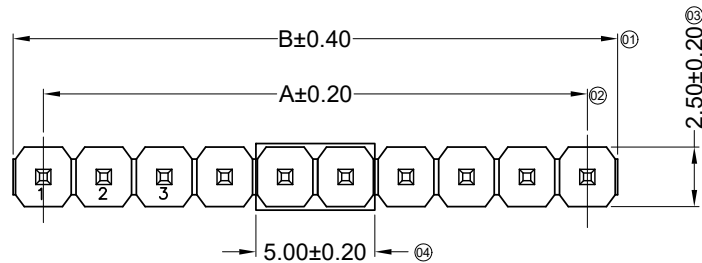


Recommended P.C.B Layout  
General Tolerance±0.05

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B      |
| 01    | ---            | 2.54  | 21    | 50.80          | 53.34  |
| 02    | 2.54           | 5.08  | 22    | 53.34          | 55.88  |
| 03    | 5.08           | 7.62  | 23    | 55.88          | 58.42  |
| 04    | 7.62           | 10.16 | 24    | 58.42          | 60.96  |
| 05    | 10.16          | 12.70 | 25    | 60.96          | 63.50  |
| 06    | 12.70          | 15.24 | 26    | 63.50          | 66.04  |
| 07    | 15.24          | 17.78 | 27    | 66.04          | 68.58  |
| 08    | 17.78          | 20.32 | 28    | 68.58          | 71.12  |
| 09    | 20.32          | 22.86 | 29    | 71.12          | 73.66  |
| 10    | 22.86          | 25.40 | 30    | 73.66          | 76.20  |
| 11    | 25.40          | 27.94 | 31    | 76.20          | 78.74  |
| 12    | 27.94          | 30.48 | 32    | 78.74          | 81.28  |
| 13    | 30.48          | 33.02 | 33    | 81.28          | 83.82  |
| 14    | 33.02          | 35.56 | 34    | 83.82          | 86.36  |
| 15    | 35.56          | 38.10 | 35    | 86.36          | 88.90  |
| 16    | 38.10          | 40.64 | 36    | 88.90          | 91.44  |
| 17    | 40.64          | 43.18 | 37    | 91.44          | 93.98  |
| 18    | 43.18          | 45.72 | 38    | 93.98          | 96.52  |
| 19    | 45.72          | 48.26 | 39    | 96.52          | 99.06  |
| 20    | 48.26          | 50.80 | 40    | 99.06          | 101.60 |

|      |     |         |             |        |          |                   |       |                                                                                                                             |      |                         |            |                                       |     |     |    |       |
|------|-----|---------|-------------|--------|----------|-------------------|-------|-----------------------------------------------------------------------------------------------------------------------------|------|-------------------------|------------|---------------------------------------|-----|-----|----|-------|
|      |     |         |             |        |          | GENERAL TOLERANCE |       | <div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司</div><div>DONGGUO GUOYA ELECTRONICS CO.,LTD</div></div> |      |                         |            | PART NO.<br>6501WV-XXHF-4TV15-T7      |     |     |    |       |
|      |     |         |             |        |          | .X                | ±0.35 |                                                                                                                             |      |                         |            | TITLE<br>2.54mm Pin Header connectors |     |     |    |       |
|      |     |         |             |        |          | .XX               | ±0.25 |                                                                                                                             |      |                         |            | APPROVALCHECKDRAWNDATE                |     |     |    |       |
|      |     |         |             |        |          | .XXX              | ±0.15 |                                                                                                                             |      |                         |            |                                       |     |     |    |       |
|      |     |         |             |        |          | X.°               | ±2°   | PROJECT                                                                                                                     |      | UNITSCALESHEETREVNUMBER |            |                                       |     |     |    |       |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL |                   |       | YANG                                                                                                                        | TIAN | TIAN                    | 2017/03/02 | mm                                    | 1:1 | 1/1 | A0 | A-213 |
| 1    |     | 2       |             | 3      |          | 4                 |       | 5                                                                                                                           |      | 6                       |            | 7                                     |     | 8   |    |       |

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05

■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Material( CAP): LCP 94V-0 Black Halogen Free
- Mates With GYA Female Header: 6501FX

6501 W V -XX L -LP XX

01 02 03 04 05 06 07

- ① Series No.  
② Category: W-wafer  
③ Connector Type: V-180°  
④ Row No.-Pin No Per Row.: XX-Single row  
⑤ Special NO.: L-4.00\*2.50\*3.30  
⑥ Material: LP-LCP UL94V-0  
⑦ Plating Code:  
V30-Contact Area 30u" Min. Solder Area Gold Flash Under Ni 50u"Min.

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B      |
| 02    | 2.54           | 5.08  | 22    | 53.34          | 55.88  |
| 03    | 5.08           | 7.62  | 23    | 55.88          | 58.42  |
| 04    | 7.62           | 10.16 | 24    | 58.42          | 60.96  |
| 05    | 10.16          | 12.70 | 25    | 60.96          | 63.50  |
| 06    | 12.70          | 15.24 | 26    | 63.50          | 66.04  |
| 07    | 15.24          | 17.78 | 27    | 66.04          | 68.58  |
| 08    | 17.78          | 20.32 | 28    | 68.58          | 71.12  |
| 09    | 20.32          | 22.86 | 29    | 71.12          | 73.66  |
| 10    | 22.86          | 25.40 | 30    | 73.66          | 76.20  |
| 11    | 25.40          | 27.94 | 31    | 76.20          | 78.74  |
| 12    | 27.94          | 30.48 | 32    | 78.74          | 81.28  |
| 13    | 30.48          | 33.02 | 33    | 81.28          | 83.82  |
| 14    | 33.02          | 35.56 | 34    | 83.82          | 86.36  |
| 15    | 35.56          | 38.10 | 35    | 86.36          | 88.90  |
| 16    | 38.10          | 40.64 | 36    | 88.90          | 91.44  |
| 17    | 40.64          | 43.18 | 37    | 91.44          | 93.98  |
| 18    | 43.18          | 45.72 | 38    | 93.98          | 96.52  |
| 19    | 45.72          | 48.26 | 39    | 96.52          | 99.06  |
| 20    | 48.26          | 50.80 | 40    | 99.06          | 101.60 |
| 21    | 50.80          | 53.34 |       |                |        |

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX ±0.15

X.° ±2°

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

YANG

TIAN

TIAN

2018/08/08

PART NO.

6501WV-XXL-LPV30

TITLE

2.54mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/1

A0

A-213

DATE

REV

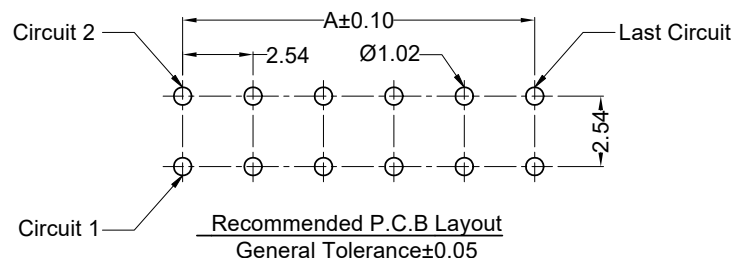
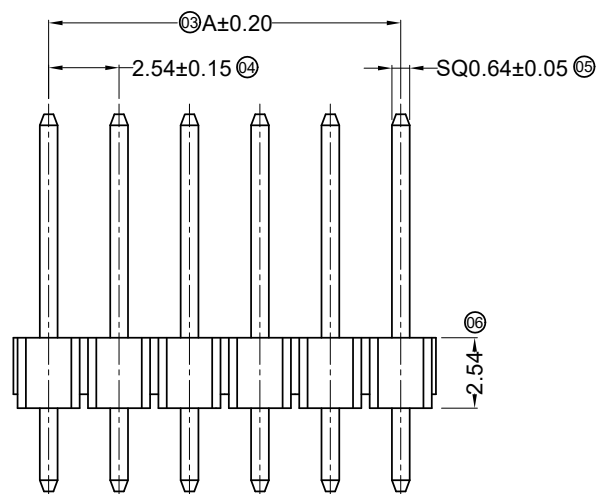
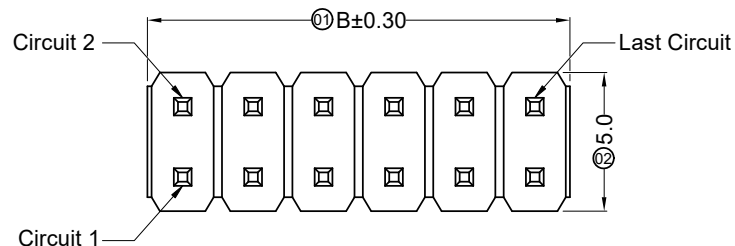
ECN NO.

DESCRIPTION

MODIFY

APPROVAL

RoHS



### ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header:6501FX

6501 W V X-2\*XX X-6T V01 XX-01

① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P  
⑥ Special No.: Blank-Ordinary  
⑦ Material: 6T-PA6T 94V-0;  
⑧ Plating Code: V01- Gold Flash  
⑨ Color: Blank-Black color  
⑩ 01-8.06/2.54/3.00

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

#### GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

#### PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

YANG

TIAN

TIAN

2007/05/03

#### PART NO.

6501WV-2\*XX-6TV01-01

#### TITLE

2.54 mm Pin Header connectors

| UNIT | SCALE | SHEET | REV | NUMBER |
|------|-------|-------|-----|--------|
| mm   | 1 : 1 | 1/1   | A0  | A-268  |

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

1

2

3

4

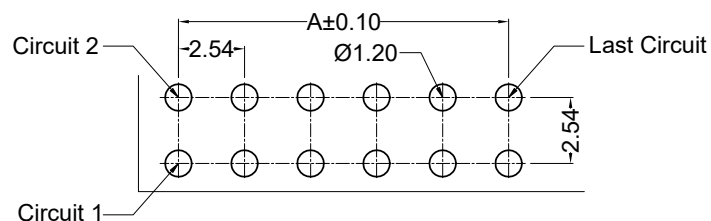
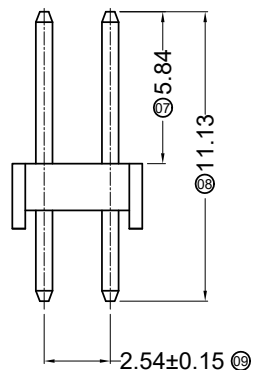
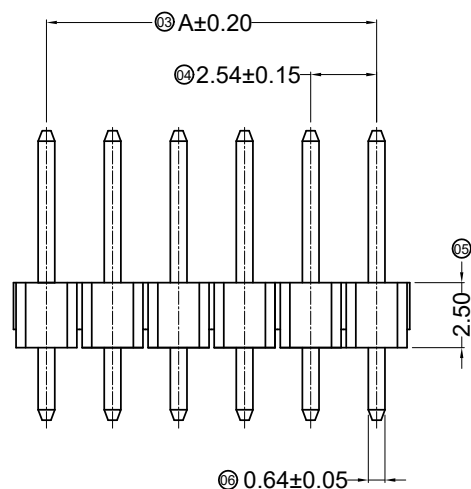
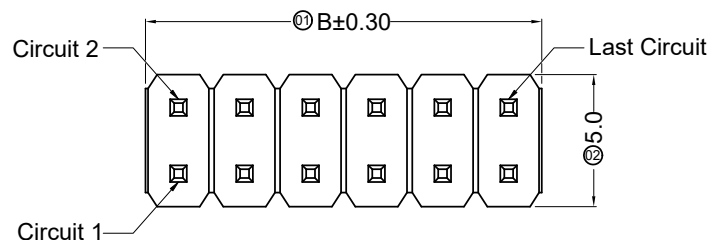
5

6

7

8

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05

## Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin):Brass
- Mates With GYA Female Header:6501FX

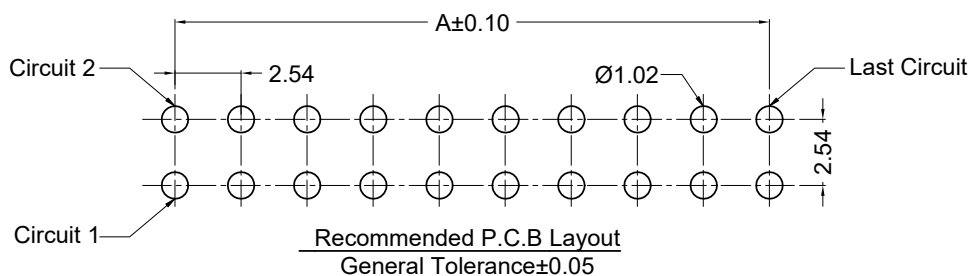
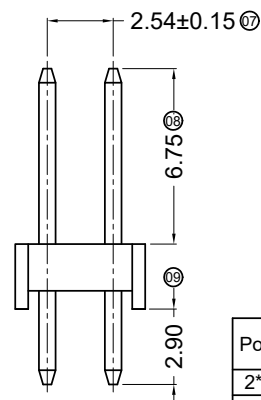
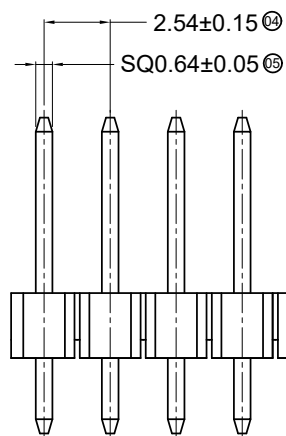
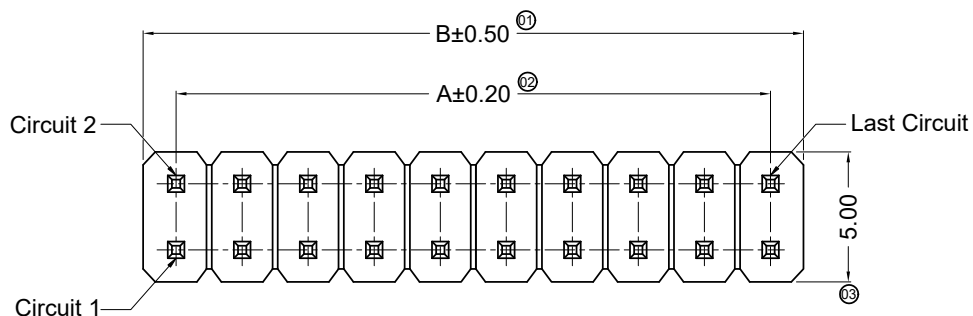
6501 W V X-2\*XX X-6T V01 XX-02  
① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P  
⑥ Special No.: Blank-ordinary  
⑦ Material: 6T-PA6T 94V-0;  
⑧ Plating Code: V01- Gold Flash  
⑨ Color: Blank-Black color  
⑩ 02-11.13/5.84/2.50

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

|      |     |         |             |        |          |                                          |  |                                                                                                                             |       |       |            |                               |       |       |     |        |
|------|-----|---------|-------------|--------|----------|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|-------|-------|------------|-------------------------------|-------|-------|-----|--------|
|      |     |         |             |        |          | GENERAL TOLERANCE                        |  | <div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司</div><div>DONGGUO GUOYA ELECTRONICS CO.,LTD</div></div> |       |       |            | PART NO.                      |       |       |     |        |
|      |     |         |             |        |          | .X ±0.30                                 |  |                                                                                                                             |       |       |            | 6501WV-2*XX-6TV01-02          |       |       |     |        |
|      |     |         |             |        |          | .XX ±0.20                                |  |                                                                                                                             |       |       |            | TITLE                         |       |       |     |        |
|      |     |         |             |        |          | .XXX ±0.10                               |  |                                                                                                                             |       |       |            | 2.54 mm Pin Header connectors |       |       |     |        |
|      |     |         |             |        |          | X.° ±2°                                  |  | APPROVAL                                                                                                                    | CHECK | DRAWN | DATE       | UNIT                          | SCALE | SHEET | REV | NUMBER |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL | <div><div>PROJECT</div><div></div></div> |  | YANG                                                                                                                        | TIAN  | TIAN  | 2018/04/09 | mm                            | 1 : 1 | 1/1   | A0  | A-268  |

RoHS

**Specifications :**

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X-2\*XX X-6T V01 XX-07

① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-Wafer  
③ Connector Type: V- 180°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P  
⑥ Special No.: Blank-Ordinary  
⑦ Material: 6T-PA6T 94V-0;  
⑧ Plating Code: V01- Gold Flash  
⑨ Color: Blank-Black Color  
⑩ 07-6.75/2.50/2.90

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

## GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

## PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

PROJECT



YANG

TIAN

TIAN

2020/03/16

## PART NO.

6501WV-2\*XX-6TV01-07

## TITLE

2.54 mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

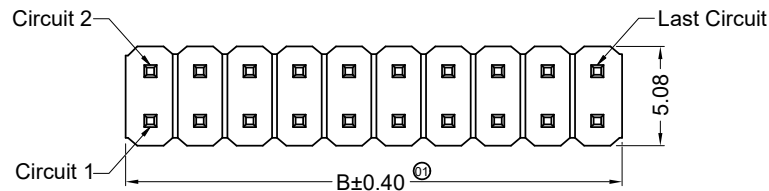
1 : 1

1/1

A0

A-268

## RoHS

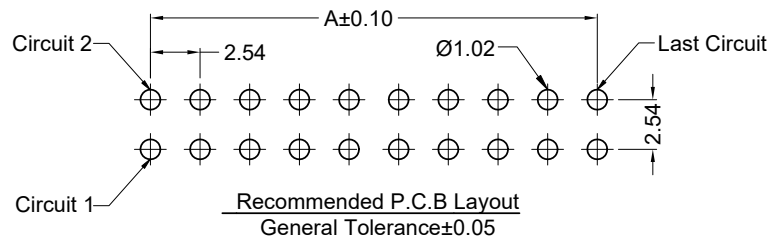
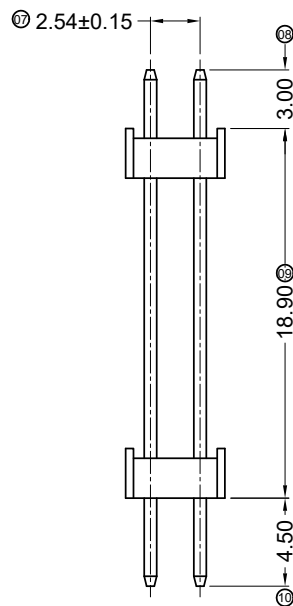
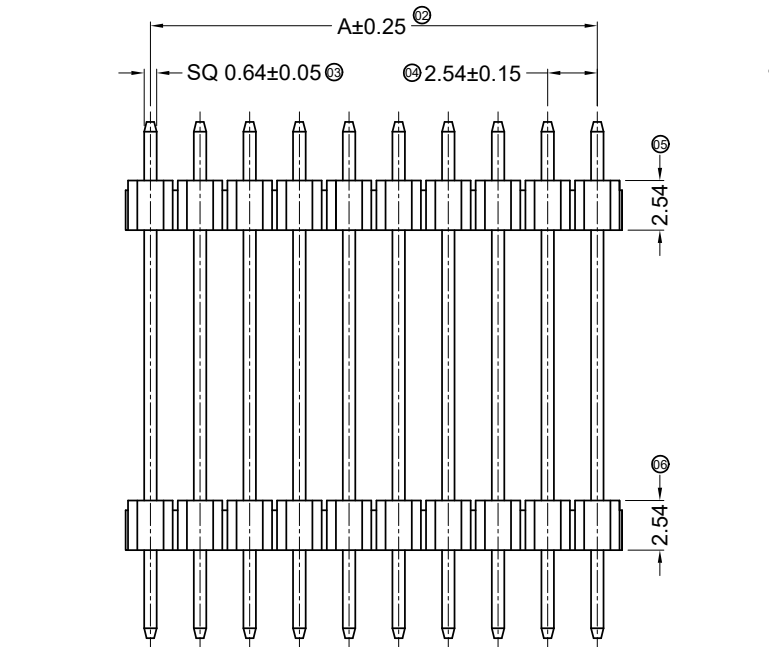


- Specifications:
- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:  $\geq 1000\text{M}\Omega$
- Contact resistance:  $\leq 20\text{m}\Omega$
- After environmental testing:  $\leq 30\text{m}\Omega$
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X - 2\*XX H2 - 6T V01XX -01

①      ②   ③   ④      ⑤      ⑥      ⑦      ⑧   ⑨   ⑩

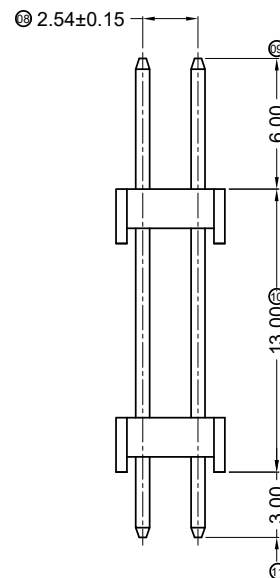
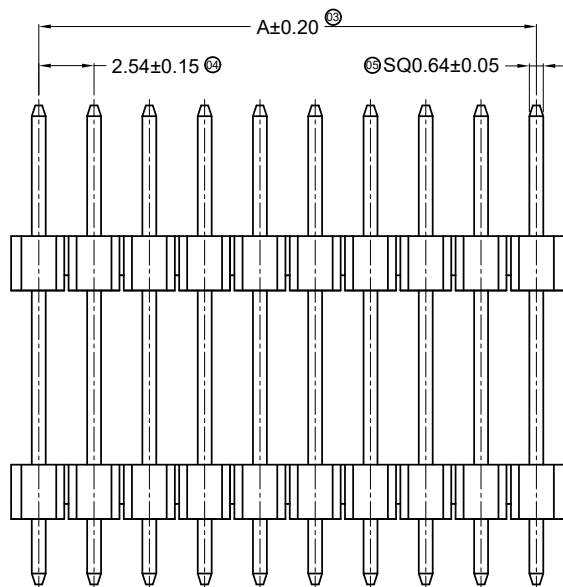
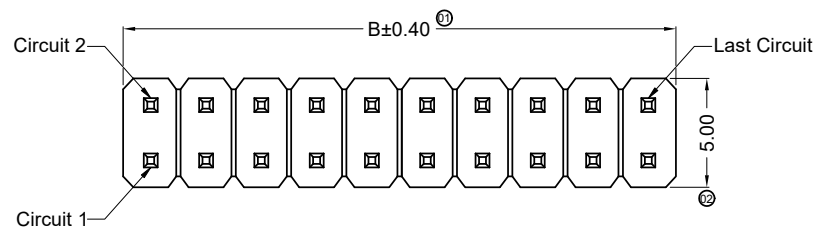
- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- 180°
- ④ Mounting Type: Blank-DIP
- ⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P
- ⑥ Special No.: H2-Double plastic
- ⑦ Material: 6T-PA6T 94V-0
- ⑧ Plating Code: V01-Gold Flash
- ⑨ Color: Blank-Black
- ⑩ 01-3.00/18.90/4.50



| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

|      |     |         |             |   |        |                   |                                                                                                  |                                                                                                                             |      |      |      |                                                                                                     |  |                                       |     |      |       |       |     |        |
|------|-----|---------|-------------|---|--------|-------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------|------|------|-----------------------------------------------------------------------------------------------------|--|---------------------------------------|-----|------|-------|-------|-----|--------|
|      |     |         |             |   |        | GENERAL TOLERANCE |                                                                                                  | <div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司</div><div>DONGGUO GUOYA ELECTRONICS CO.,LTD</div></div> |      |      |      | PART NO.<br>6501WV-2*XXH2-6TV01-01                                                                  |  |                                       |     |      |       |       |     |        |
|      |     |         |             |   |        | .X ±0.30          |                                                                                                  |                                                                                                                             |      |      |      | <div><div>APPROVAL</div><div>CHECK</div><div>DRAWN</div><div>DATE</div></div> <div>2019/09/18</div> |  |                                       |     |      |       |       |     |        |
|      |     |         |             |   |        | .XX ±0.20         |                                                                                                  |                                                                                                                             |      |      |      |                                                                                                     |  |                                       |     |      |       |       |     |        |
|      |     |         |             |   |        | .XXX ±0.10        |                                                                                                  |                                                                                                                             |      |      |      |                                                                                                     |  |                                       |     |      |       |       |     |        |
|      |     |         |             |   |        | X.° ±2°           |                                                                                                  |                                                                                                                             |      |      |      |                                                                                                     |  |                                       |     |      |       |       |     |        |
| DATE | REV | ECN NO. | DESCRIPTION |   | MODIFY | APPROVAL          | PROJECT<br> |                                                                                                                             | YANG | TIAN | TIAN | 2019/09/18                                                                                          |  | TITLE<br>2.54mm Pin Header connectors |     | UNIT | SCALE | SHEET | REV | NUMBER |
|      | 1   |         | 2           | 3 |        | 4                 | 5                                                                                                | 6                                                                                                                           |      | 7    |      | 8                                                                                                   |  | mm                                    | 1:1 | 1/1  | A0    | A-268 |     |        |

## RoHS



- Specifications:

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:  $\geq 1000\text{M}\Omega$
- Contact resistance:  $\leq 20\text{m}\Omega$
- After environmental testing:  $\leq 30\text{m}\Omega$
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V X-2\*XX H2-6T V01 XX-02

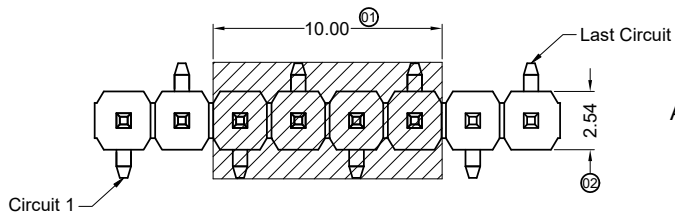
①      ②③④      ⑤      ⑥⑦      ⑧      ⑨⑩

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- 180°
- ④ Mouting Type: Blank-DIP
- ⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P
- ⑥ Special No.: H2-Double plastic
- ⑦ Material: 6T-PA6T 94V-0
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 02-6.00/13.00/3.00

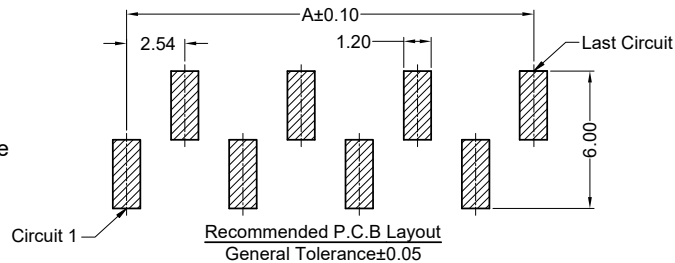
| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

|      |     |         |             |        |          |                                                                                                  |                                                                                                                       |      |      |            |                                    |       |     |    |                                        |  |  |  |  |
|------|-----|---------|-------------|--------|----------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|------|------------|------------------------------------|-------|-----|----|----------------------------------------|--|--|--|--|
|      |     |         |             |        |          | GENERAL TOLERANCE                                                                                | <div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司<br/>DONGGUO GUOYA ELECTRONICS CO.,LTD</div></div> |      |      |            | PART NO.<br>6501WV-2*XXH2-6TV01-02 |       |     |    |                                        |  |  |  |  |
|      |     |         |             |        |          | .X ±0.30                                                                                         |                                                                                                                       |      |      |            | APPROVALCHECKDRAWNDATE             |       |     |    | TITLE<br>2.54 mm Pin Header connector: |  |  |  |  |
|      |     |         |             |        |          | .XX ±0.20                                                                                        |                                                                                                                       |      |      |            |                                    |       |     |    | UNITSCALESHEETREVNUMBER                |  |  |  |  |
|      |     |         |             |        |          | .XXX ±0.10                                                                                       |                                                                                                                       |      |      |            |                                    |       |     |    |                                        |  |  |  |  |
|      |     |         |             |        |          | X.° ±2°                                                                                          |                                                                                                                       |      |      |            |                                    |       |     |    |                                        |  |  |  |  |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL | PROJECT<br> | YANG                                                                                                                  | TIAN | TIAN | 2019/10/11 | mm                                 | 1 : 1 | 1/1 | A0 | A-268                                  |  |  |  |  |

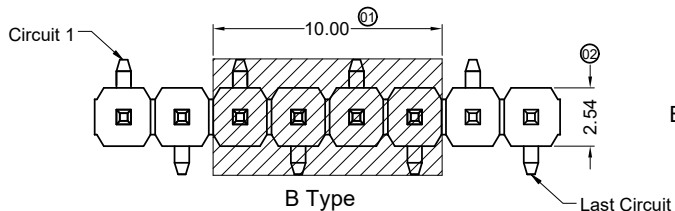
RoHS



A Type

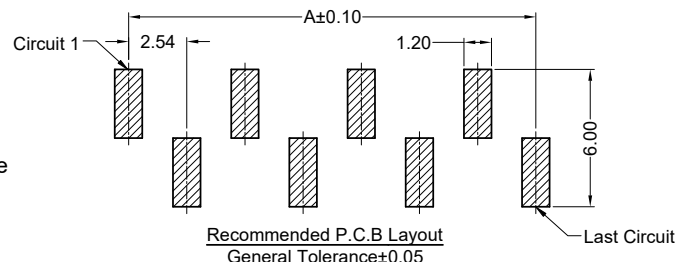


Recommended P.C.B Layout  
General Tolerance±0.05

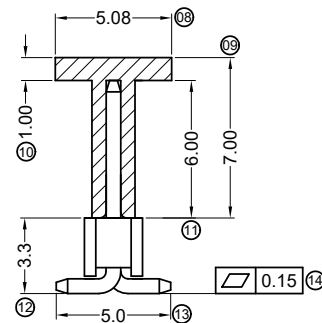
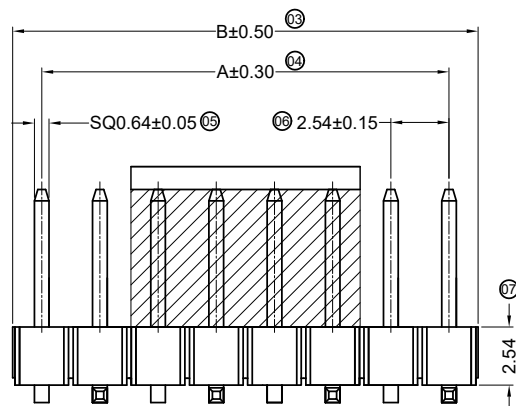


B Type

B Type



Recommended P.C.B Layout  
General Tolerance±0.05



■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V S - XX XX - 6T V01 XX -02X  
① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- Straight 180°
- ④ Mounting Type: S-SMT
- ⑤ Row No.-Pin No Per Row: XX-02P~40P
- ⑥ Special No.: Blank-Ordinary
- ⑦ Material: 6T-PA6T 94V-0
- ⑧ Plating Code: V01-Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 02A-6.00/2.54/5.00mm ,A type  
02B-6.00/2.54/5.00mm ,B type

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B      |
| 02    | 2.54           | 5.08  | 22    | 53.34          | 55.08  |
| 03    | 5.08           | 7.62  | 23    | 55.88          | 58.42  |
| 04    | 7.62           | 10.16 | 24    | 58.42          | 60.96  |
| 05    | 10.16          | 12.70 | 25    | 60.96          | 63.50  |
| 06    | 12.70          | 15.24 | 26    | 63.50          | 66.04  |
| 07    | 15.24          | 17.78 | 27    | 66.04          | 68.58  |
| 08    | 17.78          | 20.32 | 28    | 68.58          | 71.12  |
| 09    | 20.32          | 22.86 | 29    | 71.12          | 73.66  |
| 10    | 22.86          | 25.40 | 30    | 73.66          | 76.20  |
| 11    | 25.40          | 27.94 | 31    | 76.20          | 78.74  |
| 12    | 27.94          | 30.48 | 32    | 78.74          | 81.28  |
| 13    | 30.48          | 33.02 | 33    | 81.28          | 83.82  |
| 14    | 33.02          | 35.56 | 34    | 83.82          | 86.36  |
| 15    | 35.56          | 38.10 | 35    | 86.36          | 88.90  |
| 16    | 38.10          | 40.64 | 36    | 88.90          | 91.44  |
| 17    | 40.64          | 43.18 | 37    | 91.44          | 93.98  |
| 18    | 43.18          | 45.72 | 38    | 93.98          | 96.52  |
| 19    | 45.72          | 48.26 | 39    | 96.52          | 99.06  |
| 20    | 48.26          | 50.80 | 40    | 99.06          | 101.60 |
| 21    | 50.80          | 53.34 |       |                |        |

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

YANG

TIAN

TIAN

2019/09/18

PART NO.

6501WVS-XX-6TV01-02X

TITLE

2.54 mm Pin Header connectors

UNIT

SCALE

1:1

SHEET

1/1

REV

A0

NUMBER

A-195

DATE

REV

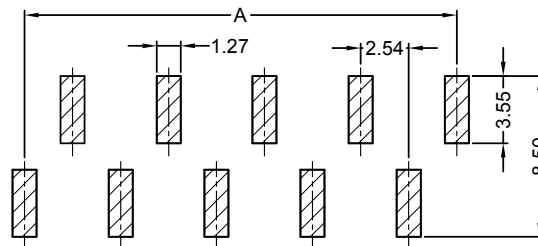
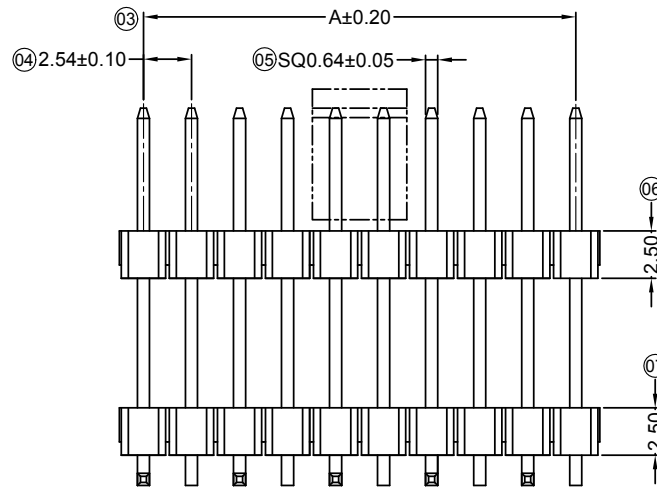
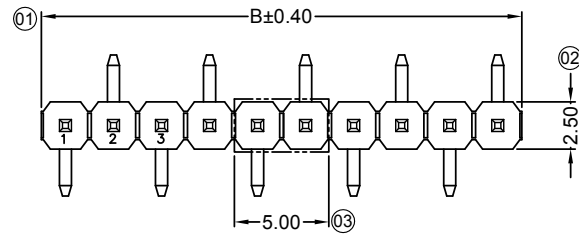
ECN NO.

DESCRIPTION

MODIFY

APPROVAL

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05



## ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Material(CAP): PA6T Black Halogen Free
- Mates With GYA Wafer: 6501FX

6501 W V S - XX H2 HF- 6T XX X XX -03

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

- ① Series No.  
② Category: W- Wafer  
③ Connector Type: V-180°  
④ Mounting Type: S-SMT  
⑤ Row No.-Pin No.: XX-Single row  
⑥ Special No.: H2-Double Plastic  
⑦ HF-Halogen Free  
⑧ Material: 6T-PA6T UL94V-0  
⑨ Plating Category:  
V01-All Area Gold Flash ; Ni: 50u" Min.  
SW-Matte Tin100u" Min.; Ni: 50u" Min.  
⑩ C-With CAP  
⑪ Color: Balnk-Black  
⑫ 03-6.50/11.85/7.46

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       |
|-------|----------------|-------|-------|----------------|-------|
|       | A              | B     |       | A              | B     |
| 02    | 2.54           | 5.08  | 15    | 35.56          | 38.10 |
| 03    | 5.08           | 7.62  | 16    | 38.10          | 40.64 |
| 04    | 7.62           | 10.16 | 17    | 40.64          | 43.18 |
| 05    | 10.16          | 12.70 | 18    | 43.18          | 45.72 |
| 06    | 12.70          | 15.24 | 19    | 45.72          | 48.26 |
| 07    | 15.24          | 17.78 | 20    | 48.26          | 50.80 |
| 08    | 17.78          | 20.32 | 21    | 50.80          | 53.34 |
| 09    | 20.32          | 22.86 | 22    | 53.34          | 55.88 |
| 10    | 22.86          | 25.40 | 23    | 55.88          | 58.42 |
| 11    | 25.40          | 27.94 | 24    | 58.42          | 60.96 |
| 12    | 27.94          | 30.48 | 25    | 60.96          | 63.50 |
| 13    | 30.48          | 33.02 |       |                |       |
| 14    | 33.02          | 35.56 |       |                |       |

## GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

## PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

PROJECT



YANG

TIAN

TIAN

2020/04/30

## PART NO.

6501WVS-XXH2HF-6TXXXXX-03

## TITLE

2.54mm PIN Header Connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

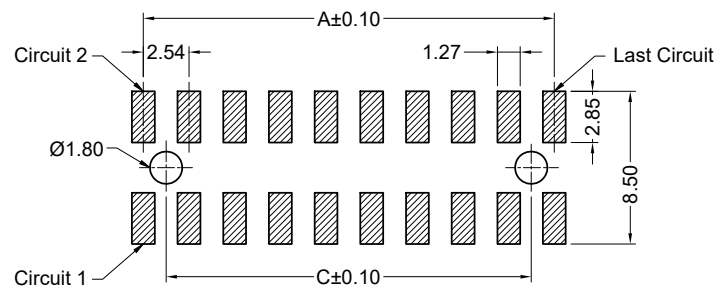
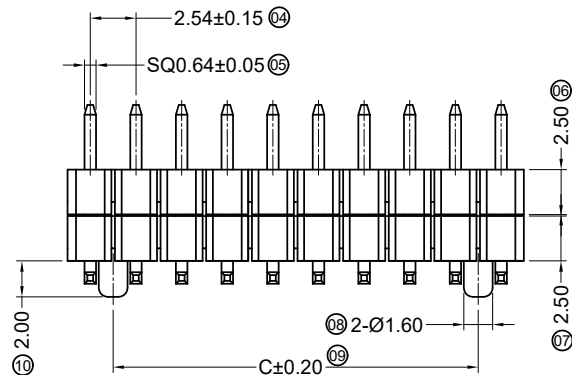
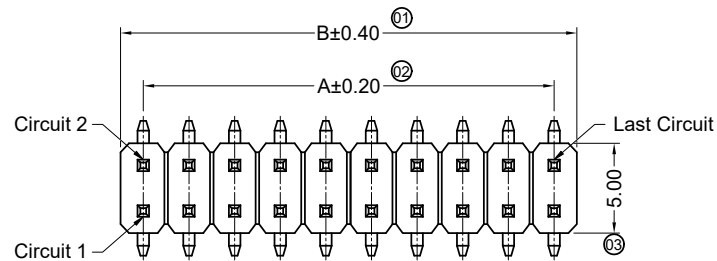
1:1

1/1

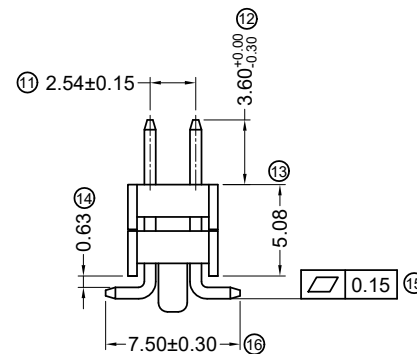
A0

A-213

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05



#### Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header: 6501FX

6501 W V S - 2\*XX H2 P - XX V01 XX - 01

① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
- ② Category: W-wafer
- ③ Connector Type: V- Straight 180°
- ④ Mounting Type: S-SMT
- ⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P
- ⑥ Special No.: H2-Double plastic,P-Wiht Peg
- ⑦ Material: 6T-PA6T 94V-0 ; 9T-PA9T 94V-0
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 01-3.60/2.50/7.50

| Poles | Dimensions(mm) |       |       | Poles | Dimensions(mm) |        |       |
|-------|----------------|-------|-------|-------|----------------|--------|-------|
|       | A              | B     | C     |       | A              | B      | C     |
| 2*02  | 2.54           | 5.08  |       | 2*22  | 53.34          | 55.88  | 50.80 |
| 2*03  | 5.08           | 7.62  | 2.54  | 2*23  | 55.88          | 58.42  | 53.34 |
| 2*04  | 7.62           | 10.16 | 5.08  | 2*24  | 58.42          | 60.96  | 55.88 |
| 2*05  | 10.16          | 12.70 | 7.62  | 2*25  | 60.96          | 63.50  | 58.42 |
| 2*06  | 12.70          | 15.24 | 10.16 | 2*26  | 63.50          | 66.04  | 60.96 |
| 2*07  | 15.24          | 17.78 | 12.70 | 2*27  | 66.04          | 68.58  | 63.50 |
| 2*08  | 17.78          | 20.32 | 15.24 | 2*28  | 68.58          | 71.12  | 66.04 |
| 2*09  | 20.32          | 22.86 | 17.78 | 2*29  | 71.12          | 73.66  | 68.58 |
| 2*10  | 22.86          | 25.40 | 20.32 | 2*30  | 73.66          | 76.20  | 71.12 |
| 2*11  | 25.40          | 27.94 | 22.86 | 2*31  | 76.20          | 78.74  | 73.66 |
| 2*12  | 27.94          | 30.48 | 25.40 | 2*32  | 78.74          | 81.28  | 76.20 |
| 2*13  | 30.48          | 33.02 | 27.94 | 2*33  | 81.28          | 83.82  | 78.74 |
| 2*14  | 33.02          | 35.56 | 30.48 | 2*34  | 83.82          | 86.36  | 81.28 |
| 2*15  | 35.56          | 38.10 | 33.02 | 2*35  | 86.36          | 88.90  | 83.82 |
| 2*16  | 38.10          | 40.64 | 35.56 | 2*36  | 88.90          | 91.44  | 86.36 |
| 2*17  | 40.64          | 43.18 | 38.10 | 2*37  | 91.44          | 93.98  | 88.90 |
| 2*18  | 43.18          | 45.72 | 40.64 | 2*38  | 93.98          | 96.52  | 91.44 |
| 2*19  | 45.72          | 48.26 | 43.18 | 2*39  | 96.52          | 99.06  | 93.98 |
| 2*20  | 48.26          | 50.80 | 45.72 | 2*40  | 99.06          | 101.60 | 96.52 |
| 2*21  | 50.80          | 53.34 | 48.26 |       |                |        |       |

#### GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

/

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

PROJECT

YANG

TIAN

TIAN

2020/03/16

PART NO.

6501WVS-2\*XXH2P-XXV01-01

TITLE

2.54mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

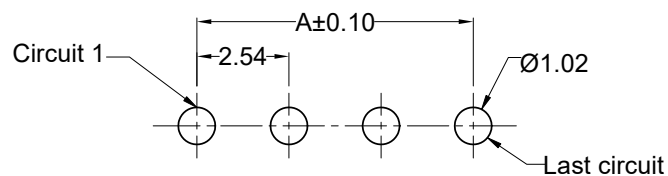
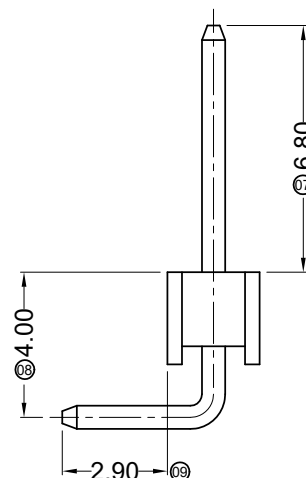
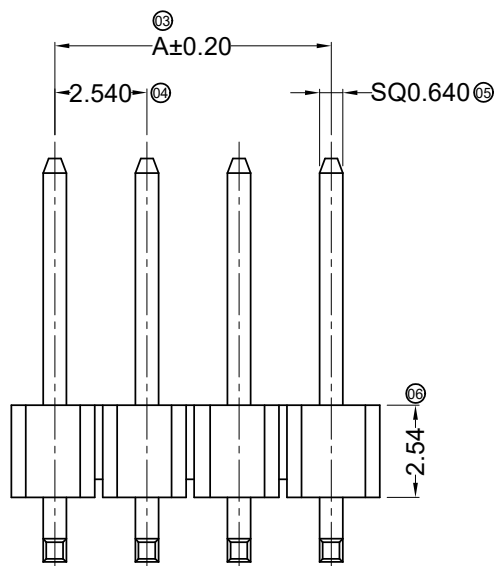
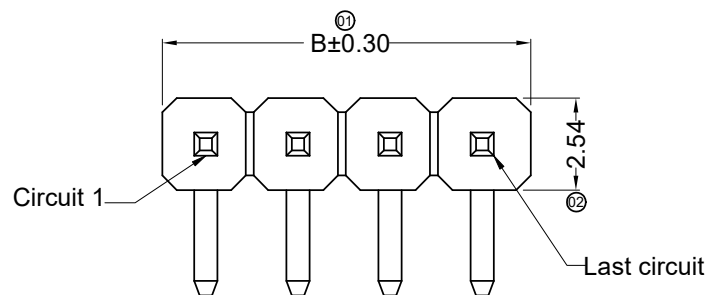
1:1

1/1

A0

A-268

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05

### Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With GYA Female Header:6501FX

6501 W R - XX X - 6T V01 XX - B

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-wafer  
③ Connector Type:R-90°  
④ Row No.-Pin No Per Row: XX-Single row  
⑤ Special No.: Blank-ordinary  
⑥ Material: 6T-PA6T 94V-0  
⑦ Plating Code: V01- Gold Flash  
⑧ Color: Blank-Black Color  
⑩ B-6.80/2.54/2.90

| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |        |
|-------|-----------------|-------|-------|-----------------|--------|
|       | A               | B     |       | A               | B      |
| 01    | --              | 2.54  | 21    | 50.80           | 53.34  |
| 02    | 2.54            | 5.08  | 22    | 53.34           | 55.88  |
| 03    | 5.08            | 7.62  | 23    | 55.88           | 58.42  |
| 04    | 7.62            | 10.16 | 24    | 58.42           | 60.96  |
| 05    | 10.16           | 12.70 | 25    | 60.96           | 63.50  |
| 06    | 12.70           | 15.24 | 26    | 63.50           | 66.04  |
| 07    | 15.24           | 17.78 | 27    | 66.04           | 68.58  |
| 08    | 17.78           | 20.32 | 28    | 68.58           | 71.12  |
| 09    | 20.32           | 22.86 | 29    | 71.12           | 73.66  |
| 10    | 22.86           | 25.40 | 30    | 73.66           | 76.20  |
| 11    | 25.40           | 27.94 | 31    | 76.20           | 78.74  |
| 12    | 27.94           | 30.48 | 32    | 78.74           | 81.28  |
| 13    | 30.48           | 33.02 | 33    | 81.28           | 83.82  |
| 14    | 33.02           | 35.56 | 34    | 83.82           | 86.36  |
| 15    | 35.56           | 38.10 | 35    | 86.36           | 88.90  |
| 16    | 38.10           | 40.64 | 36    | 88.90           | 91.44  |
| 17    | 40.64           | 43.18 | 37    | 91.44           | 93.98  |
| 18    | 43.18           | 45.72 | 38    | 93.98           | 96.52  |
| 19    | 45.72           | 48.26 | 39    | 96.52           | 99.06  |
| 20    | 48.26           | 50.80 | 40    | 99.06           | 101.60 |

#### GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

#### PROJECT

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

YANG

TIAN

TIAN

2013/08/16

PART NO.

6501WR-XX-6TV01-B

TITLE

2.54 mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/1

A0

A-268

DATE

REV

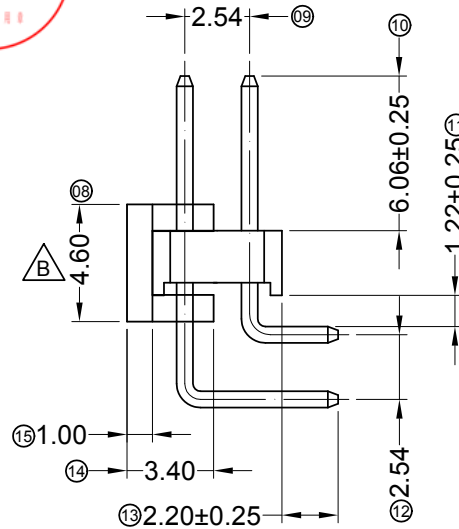
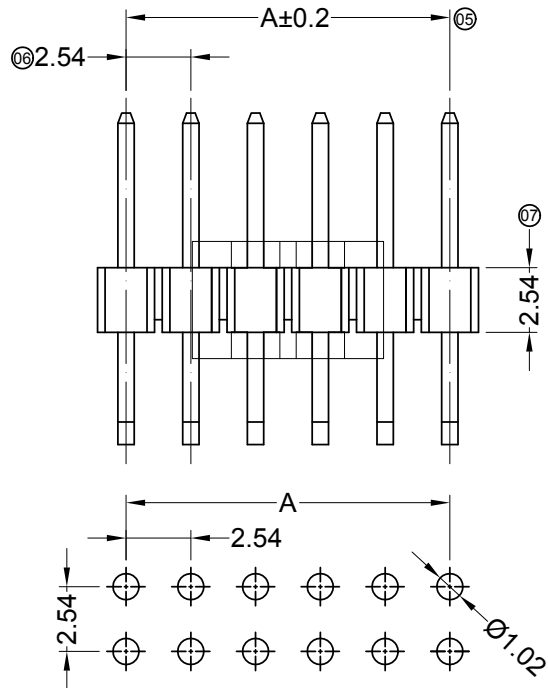
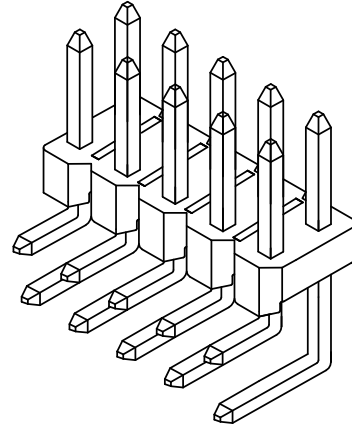
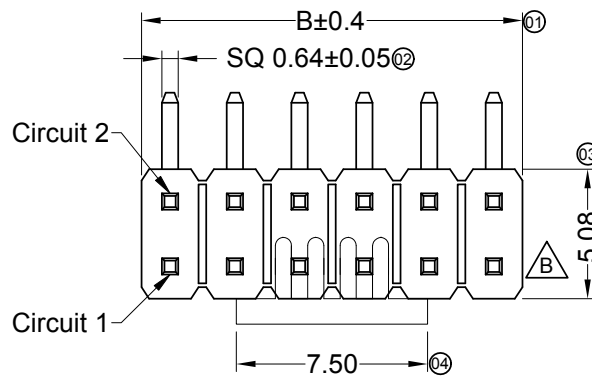
ECN NO.

DESCRIPTION

MODIFY

APPROVAL

RoHS



■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Material(CAP): LCP 94V-0 Black Halogen Free
- Mates With GYA 6501FX

6501 W R X-2\*XX -LP XX XX -V  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: R- 90°
- ④ Mounting Type: Blank-DIP
- ⑤ Row No.-Pin No.: 2\*XX-Double Row
- ⑥ Material: LP-LCP 94V-0 Halogen Free
- ⑦ Plating Category:  
SW-Matte Tin 100u" Min. ; Ni 50u" Min.  
V01-Contact Area Gold G/F ; Solder Area G/F ; Ni 50u" Min.
- ⑧ Color: Blank-Black color
- ⑨ V-6.06/2.54/2.20

| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

PART NO.

6501WR-2\*XX-LPXXXX-V

TITLE

2.54 mm Pin Header connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/1

A0

A-213

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

PROJECT

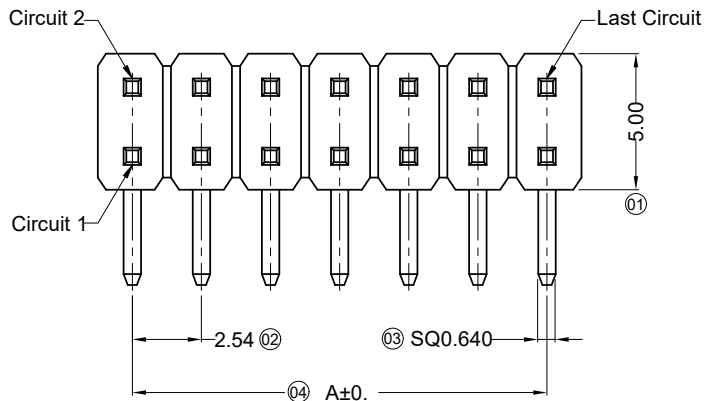
YANG

TIAN

TIAN

2018/08/13

RoHS



### Specifications :

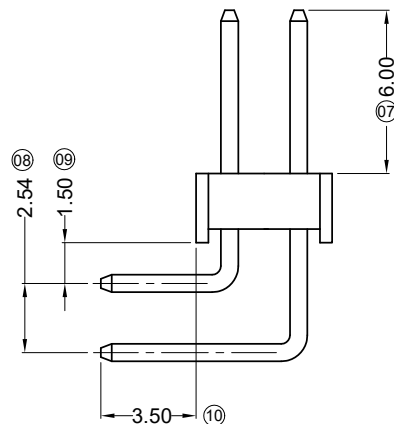
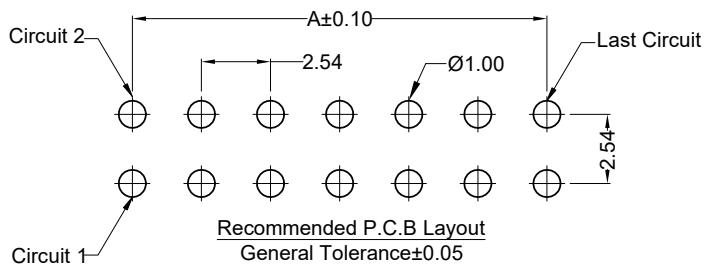
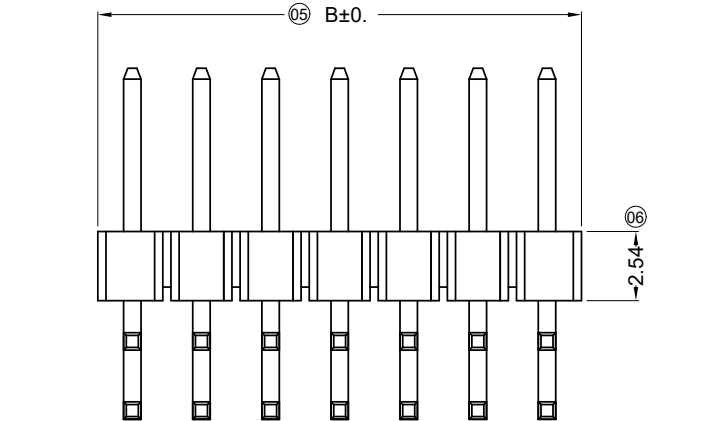
- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:  $\geq 1000M\Omega$
- Contact resistance:  $\leq 20m\Omega$
- After environmental testing:  $\leq 30m\Omega$

- Material(Pin):Brass
- Mates with GYA Female Header: 6501FX

6501 W R X-2\*XX X-XX V01 XX-B

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.  
② Category: W-wafer  
③ Connector Type: R- Right Angle 90°  
④ Mounting Type: Blank-DIP  
⑤ Row No.-Pin No Per Row: 2\*XX-2\*02P~2\*40P  
⑥ Special No.: Blank-ordinary  
⑦ Material: 6T-PA6T 94V-0 ;9T-PA9T 94V-0  
⑧ Plating Code: V01- Gold Flash  
⑨ Color: Blank-Black color  
⑩ B-6.00/3.50



| Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |       | Poles | Dimensions(mm) |        |
|-------|----------------|-------|-------|----------------|-------|-------|----------------|--------|
|       | A              | B     |       | A              | B     |       | A              | B      |
| 2*02  | 2.54           | 5.08  | 2*15  | 35.56          | 38.10 | 2*28  | 68.58          | 71.12  |
| 2*03  | 5.08           | 7.62  | 2*16  | 38.10          | 40.64 | 2*29  | 71.12          | 73.66  |
| 2*04  | 7.62           | 10.16 | 2*17  | 40.64          | 43.18 | 2*30  | 73.66          | 76.20  |
| 2*05  | 10.16          | 12.70 | 2*18  | 43.18          | 45.72 | 2*31  | 76.20          | 78.74  |
| 2*06  | 12.70          | 15.24 | 2*19  | 45.72          | 48.26 | 2*32  | 78.74          | 81.28  |
| 2*07  | 15.24          | 17.78 | 2*20  | 48.26          | 50.80 | 2*33  | 81.28          | 83.82  |
| 2*08  | 17.78          | 20.32 | 2*21  | 50.80          | 53.34 | 2*34  | 83.82          | 86.36  |
| 2*09  | 20.32          | 22.86 | 2*22  | 53.34          | 55.88 | 2*35  | 86.36          | 88.90  |
| 2*10  | 22.86          | 25.40 | 2*23  | 55.88          | 58.42 | 2*36  | 88.90          | 91.44  |
| 2*11  | 25.40          | 27.94 | 2*24  | 58.42          | 60.96 | 2*37  | 91.44          | 93.98  |
| 2*12  | 27.94          | 30.48 | 2*25  | 60.96          | 63.50 | 2*38  | 93.98          | 96.52  |
| 2*13  | 30.48          | 33.02 | 2*26  | 63.50          | 66.04 | 2*39  | 96.52          | 99.06  |
| 2*14  | 33.02          | 35.56 | 2*27  | 66.04          | 68.58 | 2*40  | 99.06          | 101.60 |

GENERAL TOLERANCE

.X  $\pm 0.30$

.XX  $\pm 0.20$

.XXX  $\pm 0.10$

X.°  $\pm 2^\circ$

PROJECT



东莞市国亚电子有限公司  
DONGGUO GUOYA ELECTRONICS CO.,LTD

APPROVAL

CHECK

DRAWN

DATE

YANG

TIAN

TIAN

2015/06/22

PART NO.

6501WR-2\*XX-XXV01-B

TITLE

2.54 mm Pin Header connectors

UNIT

mm

SCALE

1 : 1

SHEET

1/1

REV

A0

NUMBER

A-268

DATE

REV

ECN NO.

DESCRIPTION

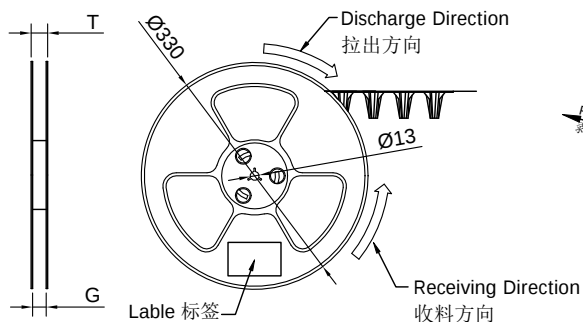
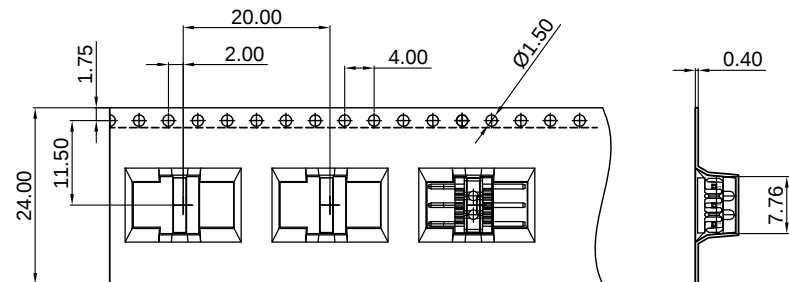
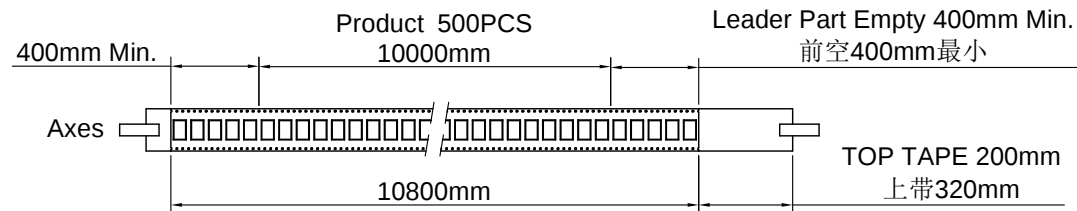
MODIFY

APPROVAL

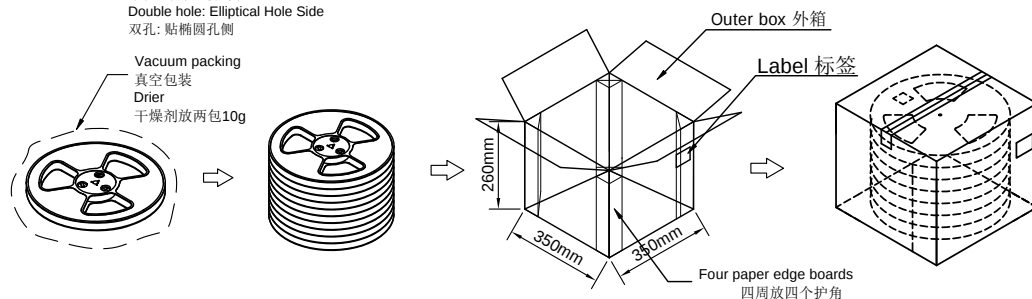
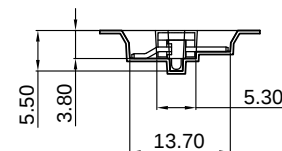
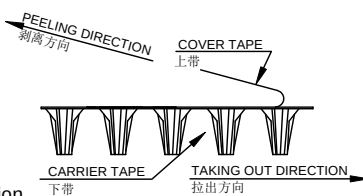
A

RoHS

包装图



COVER TAPE PEEL STRENGTH: 20~120g  
上带剥离力量: 20~120g  
速度 PEEL SPEED: 300mm/minute



Note:

1. Carrier Camber Is Within 1mm In 100mm ; 带长100mm内容许弯曲度1mm
2. 10 Sprocket Hole Pitch Cumulative Tolerance $\pm 0.2$ MM ; 圆孔十个孔距离累计允许公差为 $\pm 0.2$ mm
3. Material for PS ; 材质为PS材质; Color颜色:透明色
4. bracer保护带: Color颜色:Nature透明;厚度0.40mm最小
5. Thickness=0.40 $\pm 0.05$  ; 材料厚度为0.40 $\pm 0.05$ mm
6. Cover Tape上带: 冷封
7. Carton material纸箱材质:K=K; Carton Thickness纸箱厚度: 6~7mm

| ZD6501WRS-XXPHF<br>6501WRS-XXP-9TV01C-01 | Part No.        | W  | S | F     | T (MAX) | G (MAX) | REEL<br>/PCS | CARTON<br>/R | CARTON<br>/PCS |
|------------------------------------------|-----------------|----|---|-------|---------|---------|--------------|--------------|----------------|
|                                          | ZD6501WRS-03PHF | 24 | / | 11.50 | 28.50   | 24.40   | 500          | 8R           | 4000           |

|    |    |      |        |     |     |                            |                                                                                                                    |                                                       |      |            |     |       |     |    |       |    |
|----|----|------|--------|-----|-----|----------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------|------------|-----|-------|-----|----|-------|----|
|    |    |      |        |     |     | 一般公差                       | <div><div>GYA</div><div>Connectors</div></div> <div>东莞市国亚电子有限公司</div> <div>DONGGUO GUOYA ELECTRONICS CO.,LTD</div> | 料号: PPN:6501WRS-XXP-9TV01C-01<br>CTN: ZD6501WRS-XXPHF |      |            |     |       |     |    |       |    |
|    |    |      |        |     |     | .X ±0.35                   |                                                                                                                    | 名称:                                                   |      |            |     |       |     |    |       |    |
|    |    |      |        |     |     | .XX ±0.25                  |                                                                                                                    | 2.54mm Header 90° Package                             |      |            |     |       |     |    |       |    |
|    |    |      |        |     |     | .XXX ±0.15                 |                                                                                                                    | 核 准                                                   | 审 查  | 制 作        | 日 期 | 单位    | 比例  | 页次 | 版本    | 编号 |
|    |    |      |        |     |     | X ° ±0.2°                  |                                                                                                                    |                                                       |      |            |     |       |     |    |       |    |
| 日期 | 版次 | 变更编号 | 变更内容说明 | 变更人 | 核 准 | <div>视 角</div> <div></div> | YANG                                                                                                               | TIAN                                                  | TIAN | 2020/04/28 | MM  | 1 : 1 | 1/1 | A0 | A-013 |    |