

# NOTE:

## 1.Material:

Insulator:Nylon 66,UL94V-0,GWT 750°C(Ivory)

Terminal:Brass(Tab is 6.30x0.80)

## 2.Contact:

Tin Plated 80~120u" over Ni 30~50u"min

Silver Plated 80~120u" over Ni 30~50u" min

## Ordering Information:

HDGC7921WRA - RH - XP - \* - \*\* - \*\*\* - \*\*\* - \*\*\*  
1 2 3 4 5 6 7 8

### 1.Part No.

### 2.Reverse Type

### 3.Circuit number.

### 4.Terminal Finish:

(blank):Tin over Nickel

S:Silver over Nickel

### 5.See the table of next page.

### 6.Void position:

A:Void position(Odd numbers)

N\*:Void position(Arbitrarily numbers)

### 7.Terminal Style:

(blank):TYPE 1

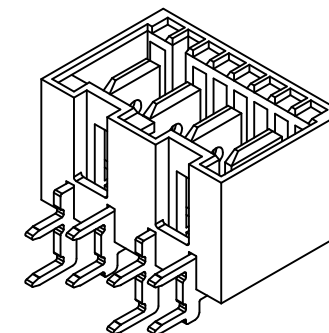
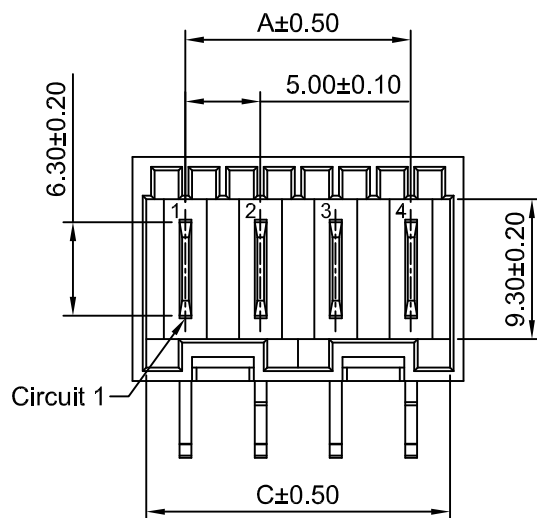
TH1~TH12:TYPE 2(pre-mating protective contact,  
protruding 1.5mm, possible at any position)

### 8.Material:

(blank):Nylon 66,UL94V-0,GWT 750°C(Ivory)

GWT:Nylon 66,UL94V-0,GWT 850°C(Ivory)

| 修订<br>REV | 标记<br>MARK | 修改摘要<br>REVISION DESCRIPTION | 签名<br>SIGNATURE | 日期<br>DATE |
|-----------|------------|------------------------------|-----------------|------------|
| A0        |            | NEW RELEASE                  | WANG            | 2014-04-27 |



## SPECIFICATIONS:

Current Rating: 16A AC,DC

Voltage Rating: 380V AC,DC

Temperature Range: -25°C ~ +85°C

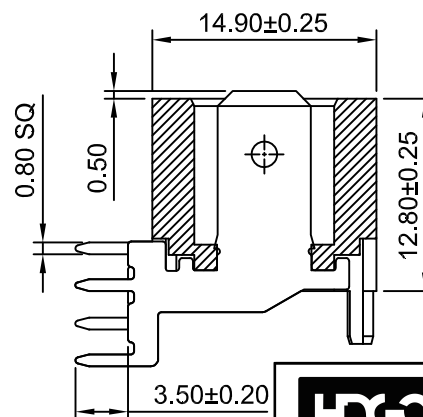
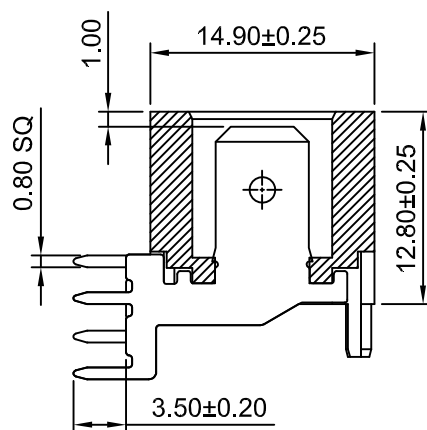
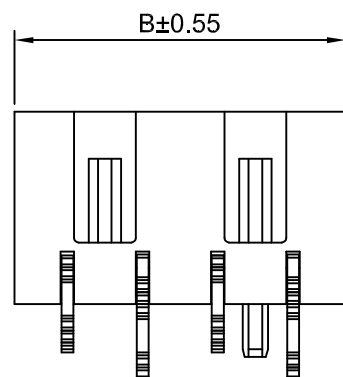
Contact Resistance: 20mΩ Max

Insulation Resistance: 1000MΩ Min

Withstanding Voltage: 1800V AC/minute

## Ordering Information & Dimensions

| Circuits | Dimensions(mm) |       |       | Circuits | Dimensions(mm) |       |       |
|----------|----------------|-------|-------|----------|----------------|-------|-------|
|          | A              | B     | C     |          | A              | B     | C     |
| 2P       | 5.00           | 12.00 | 10.20 | 8P       | 35.00          | 42.00 | 40.20 |
| 3P       | 10.00          | 17.00 | 15.20 | 9P       | 40.00          | 47.00 | 45.20 |
| 4P       | 15.00          | 22.00 | 20.20 | 10P      | 45.00          | 52.00 | 50.20 |
| 5P       | 20.00          | 27.00 | 25.20 | 11P      | 50.00          | 57.00 | 55.20 |
| 6P       | 25.00          | 32.00 | 30.20 | 12P      | 55.00          | 62.00 | 60.20 |
| 7P       | 30.00          | 37.00 | 35.20 |          |                |       |       |



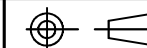
深圳市华德共创科技有限公司

SHENZHEN HUADE CO-CREATE TECHNOLOGY CO.,LTD

TEL : 0755-27129737

FAX : 0755-29940187

-TOLERANCES-  
UNLESS OTHERWISE SPECIFIED  
公差参数表



TITLE: 5.00mm Pitch  
产品名称: 90° Wafer

X.X ±0.30 X.X° ±3°

APPD: 核准: XIE

PART NO: 产品编号: HDGC7921WRA-RH-XP

X.XX ±0.30 X.XX° ±2°

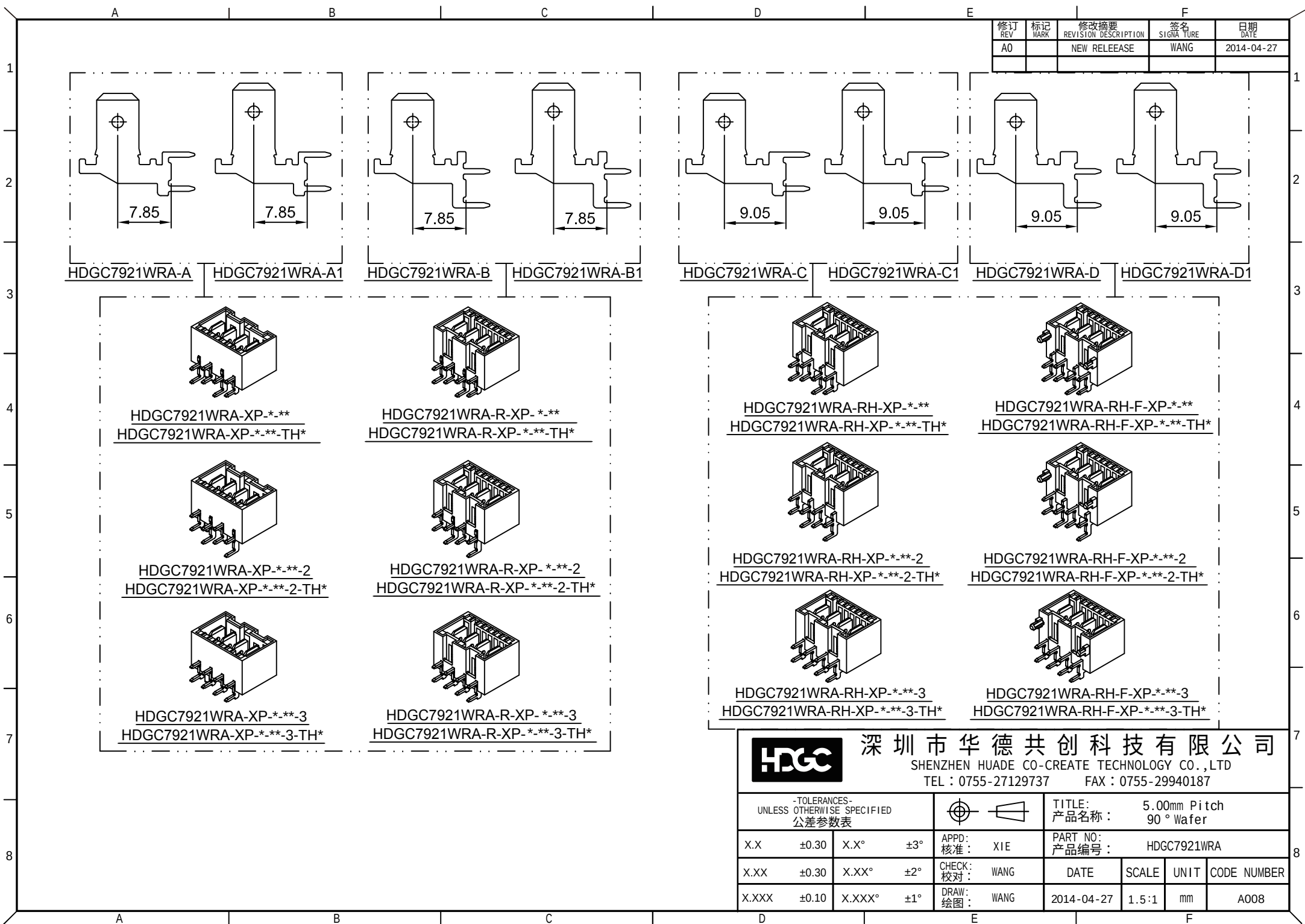
CHECK: 校对: WANG

DATE SCALE UNIT CODE NUMBER

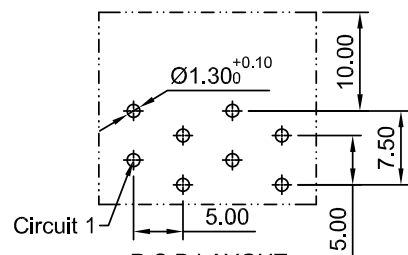
X.XXX ±0.10 X.XXX° ±1°

DRAW: 绘图: WANG

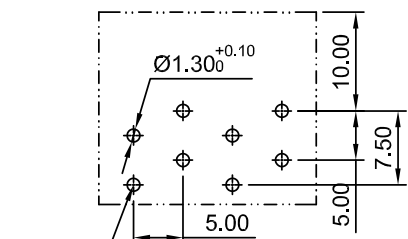
2014-04-27 1.5:1 mm A008



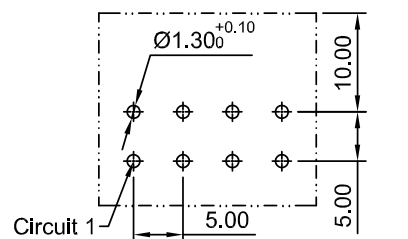
| 修订<br>REV | 标记<br>MARK | 修改摘要<br>REVISION DESCRIPTION | 签名<br>SIGNATURE | 日期<br>DATE |
|-----------|------------|------------------------------|-----------------|------------|
| A0        |            | NEW RELEASE                  | WANG            | 2014-04-27 |



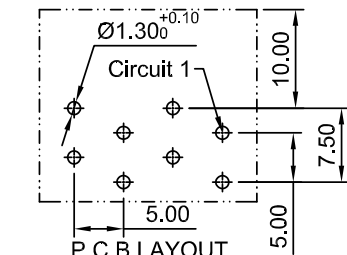
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-XP-\*\*-(-TH\*)



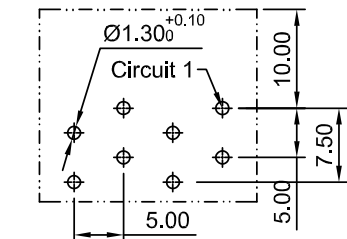
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-COMPONENT SIDE  
HDGC7921WRA-XP-\*\*-2(-TH\*)



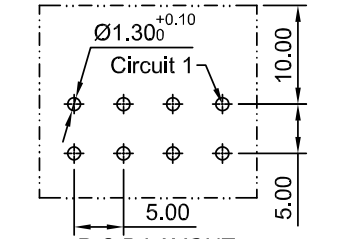
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HDGC7921WRA-XP-\*\*-3(-TH\*)



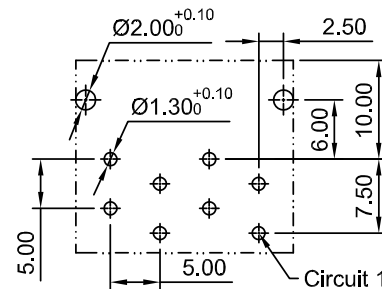
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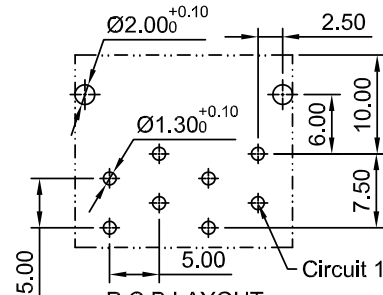
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-COMPONENT SIDE  
HDGC7921WRA-RH-XP-\*\*-2(-TH\*)



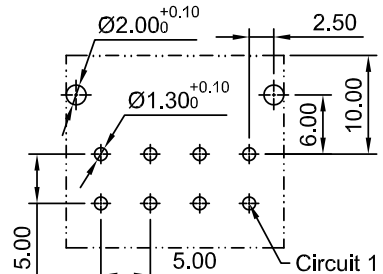
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-COMPONENT SIDE  
HDGC7921WRA-RH-XP-\*\*-3(-TH\*)



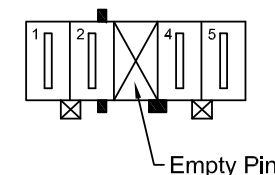
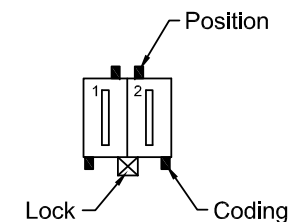
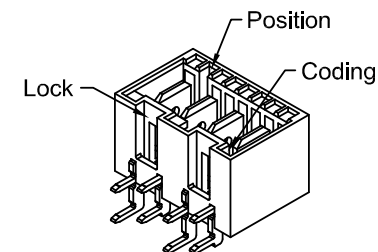
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-F-XP-\*\*-(-TH\*)



P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-F-XP-\*\*-2(-TH\*)



P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-F-XP-\*\*-3(-TH\*)

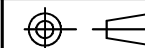


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-TOLERANCES-  
UNLESS OTHERWISE SPECIFIED  
公差参数表



TITLE:  
产品名称: 5.00mm Pitch  
90° Wafer

X.X ±0.30 X.X° ±3°

APPD:  
核准: XIE

PART NO:  
产品编号: HDGC7921WRA

X.XX ±0.30 X.XX° ±2°

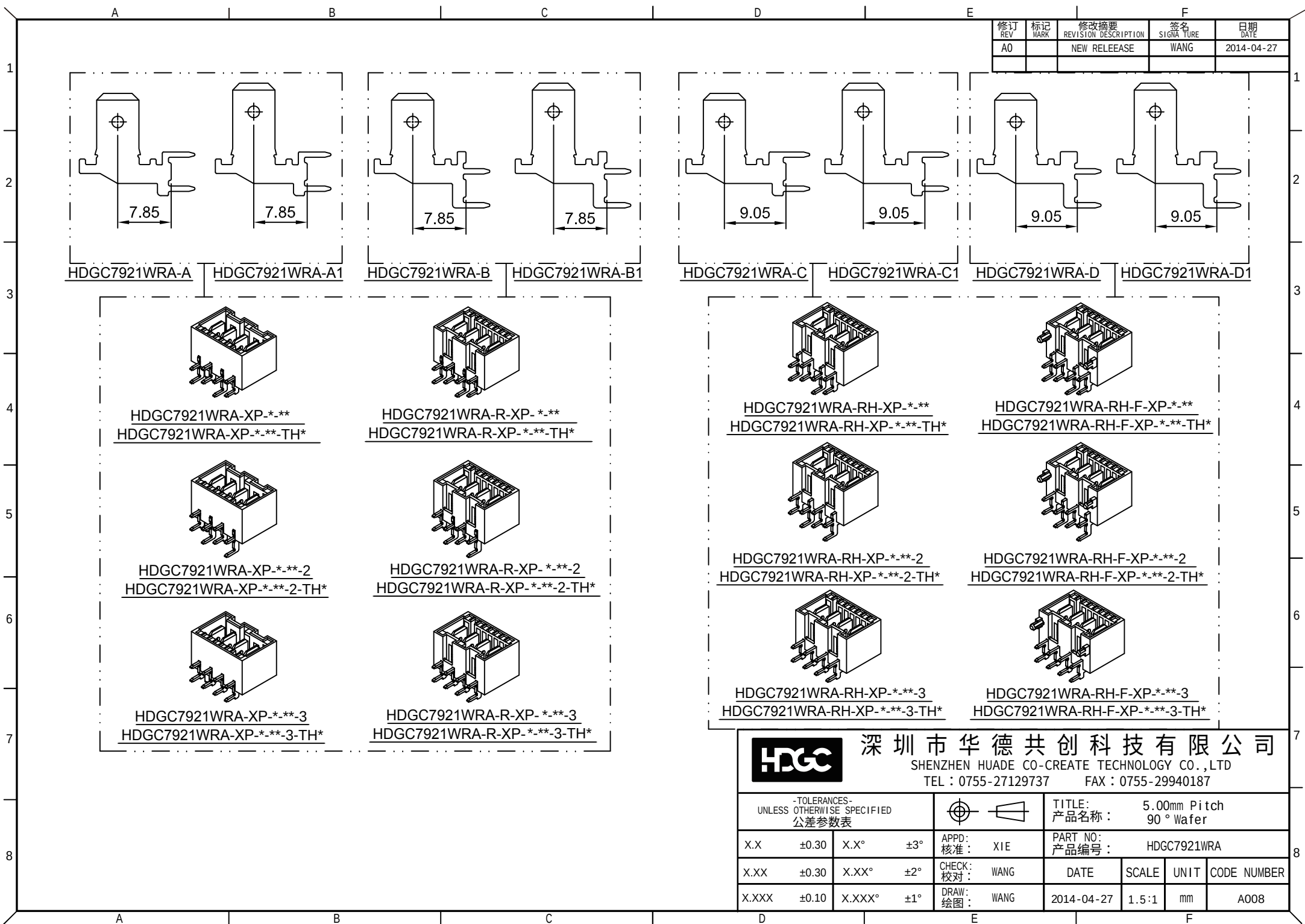
CHECK:  
校对: WANG

DATE SCALE UNIT CODE NUMBER

X.XXX ±0.10 X.XXX° ±1°

DRAW:  
绘图: WANG

2014-04-27 1:1 mm A008



| 修订<br>REV | 标记<br>MARK | 修改摘要<br>REVISION DESCRIPTION | 签名<br>SIGNATURE | 日期<br>DATE |
|-----------|------------|------------------------------|-----------------|------------|
| A0        |            | NEW RELEASE                  | WANG            | 2014-04-27 |



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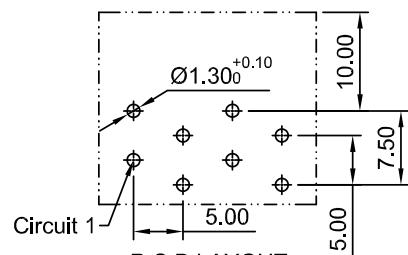
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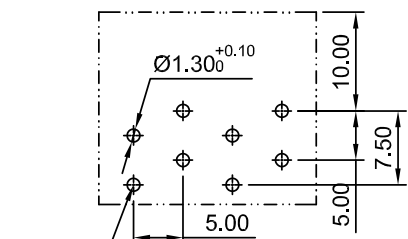
FAX : 0755-29940187

| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED<br>公差参数表 |       |        |     |  |      | TITLE: 5.00mm Pitch<br>产品名称: 90° Wafer |       |             |             |
|-----------------------------------------------------|-------|--------|-----|---------------------------------------------------------------------------------------|------|----------------------------------------|-------|-------------|-------------|
| X.X                                                 | ±0.30 | X.X°   | ±3° | APPD:<br>核准:                                                                          | XIE  | PART NO:<br>产品编号:                      |       | HDGC7921WRA |             |
| X.XX                                                | ±0.30 | X.XX°  | ±2° | CHECK:<br>校对:                                                                         | WANG | DATE                                   | SCALE | UNIT        | CODE NUMBER |
| X.XXX                                               | ±0.10 | X.XXX° | ±1° | DRAW:<br>绘图:                                                                          | WANG | 2014-04-27                             | 1.5:1 | mm          | A008        |

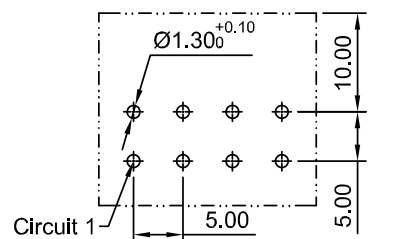
| 修订<br>REV | 标记<br>MARK | 修改摘要<br>REVISION DESCRIPTION | 签名<br>SIGNATURE | 日期<br>DATE |
|-----------|------------|------------------------------|-----------------|------------|
| A0        |            | NEW RELEASE                  | WANG            | 2014-04-27 |



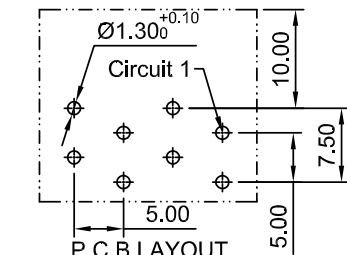
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-XP-\*\*-(-TH\*)



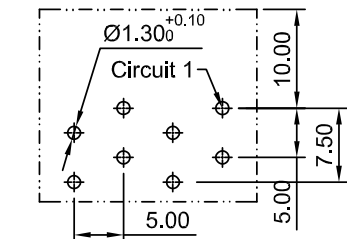
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-XP-\*\*-2(-TH\*)



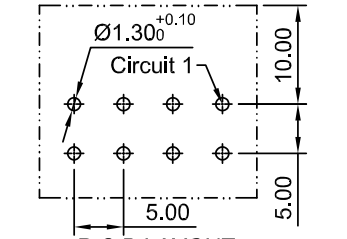
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-XP-\*\*-3(-TH\*)



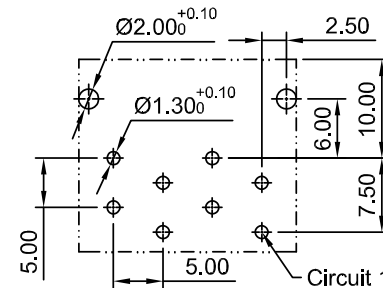
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-XP-\*\*-(-TH\*)



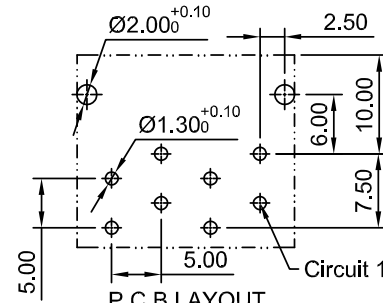
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-XP-\*\*-2(-TH\*)



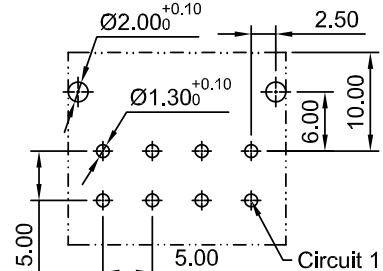
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-XP-\*\*-3(-TH\*)



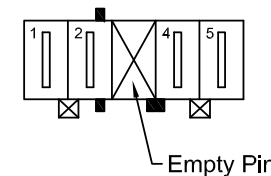
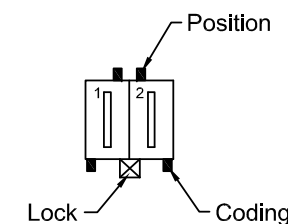
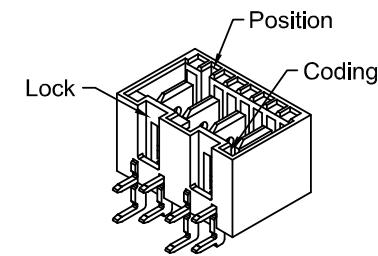
P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-F-XP-\*\*-(-TH\*)



P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-F-XP-\*\*-2(-TH\*)



P.C.B LAYOUT  
-COMPONENT SIDE  
HDGC7921WRA-RH-F-XP-\*\*-3(-TH\*)

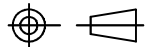




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|-----------------------------------------------------|-------|--------|---------------------------------------------------------------------------------------|--------------------|-------------------------------------------|-------|------|-------------|
| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED<br>公差参数表 |       |        |  |                    | TITLE:<br>产品名称: 5.00mm Pitch<br>90° Wafer |       |      |             |
| X.X                                                 | ±0.30 | X.X°   | ±3°                                                                                   | APPD:<br>核准: XIE   | PART NO:<br>产品编号: HDGC7921WRA             |       |      |             |
| X.XX                                                | ±0.30 | X.XX°  | ±2°                                                                                   | CHECK:<br>校对: WANG | DATE                                      | SCALE | UNIT | CODE NUMBER |
| X.XXX                                               | ±0.10 | X.XXX° | ±1°                                                                                   | DRAW:<br>绘图: WANG  | 2014-04-27                                | 1:1   | mm   | A008        |

| A |  | B |  | C |  | D |  | E                            |  | F               |  |
|---|--|---|--|---|--|---|--|------------------------------|--|-----------------|--|
|   |  |   |  |   |  |   |  | 修订<br>REV                    |  | 标记<br>MARK      |  |
|   |  |   |  |   |  |   |  | 修改摘要<br>REVISION DESCRIPTION |  | 签名<br>SIGNATURE |  |
|   |  |   |  |   |  |   |  | A0                           |  | NEW RELEASE     |  |
|   |  |   |  |   |  |   |  |                              |  | WANG            |  |
|   |  |   |  |   |  |   |  |                              |  | 2014-04-27      |  |

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Type  | 0A | 0B | 0C | 0E | 0F | 0G | 0H | 0I | 0J | 0K | 0L | 0M | 0N | 0P | 0Q | 0R | 0S | 0T | 0U | 0X | 0Z |
| 2 PIN |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|       | 09 | 10 | 11 | 31 | 34 | 38 | 39 | 40 | 48 | 49 | 78 | 80 | 86 | 1A | 1B | 1C | 1D |    |    |    |    |
|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Type  | 0A | 0B | 0C | 0D | 0E | 0F | 0G | 0H | 0I | 0K | 0L | 0M | 0N | 0Q | 0W |
| 3 PIN |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|       | 01 | 02 | 03 | 04 | 05 | 08 | 10 | 11 | 12 | 13 | 1A | 1B | 1C | 1D | 1E |
|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|       | 1F | 2N | 2P | 32 | 33 | 38 | 39 | 40 | 44 | 53 | 65 | 67 | 80 | 81 | 98 |
|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 99    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

|       |    |    |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|
| Type  | 0A | 0B | 0C | 0D | 0E | 0F | 0G | 0H | 0I | 0J | 0K | 0L |
| 4 PIN |    |    |    |    |    |    |    |    |    |    |    |    |
|       | 0M | 0N | 0W | 01 | 02 | 03 | 04 | 05 |    |    |    |    |
|       |    |    |    |    |    |    |    |    |    |    |    |    |
|       | 06 | 12 | 17 | 19 | 29 | 30 | 32 | 37 |    |    |    |    |
|       |    |    |    |    |    |    |    |    |    |    |    |    |
| 43    | 44 | 61 | 62 | 63 |    |    |    |    |    |    |    |    |
|       |    |    |    |    |    |    |    |    |    |    |    |    |

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|                                                     |       |        |     |                                             |                                    |       |      |             |
|-----------------------------------------------------|-------|--------|-----|---------------------------------------------|------------------------------------|-------|------|-------------|
| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED<br>公差参数表 |       |        |     | TITLE: 5.00mm Pitch<br>产品名称: 180°/90° Wafer |                                    |       |      |             |
| X.X                                                 | ±0.30 | X.X°   | ±3° | APPD: 核准: XIE                               | PART NO: 产品编号: HDGC7921WVA/WVB/WRA |       |      |             |
| X.XX                                                | ±0.30 | X.XX°  | ±2° | CHECK: 校对: WANG                             | DATE                               | SCALE | UNIT | CODE NUMBER |
| X.XXX                                               | ±0.10 | X.XXX° | ±1° | DRAW: 绘图: WANG                              | 2014-04-27                         | 1:1   | mm   | A008        |

| A |  | B |  | C |  | D |  | E |  | F |  |
|---|--|---|--|---|--|---|--|---|--|---|--|
|---|--|---|--|---|--|---|--|---|--|---|--|

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| A |  |  |  | B |  |  |  | C |  |  |  | D |  |  |  | E |  |  |  | F |  |  |  |
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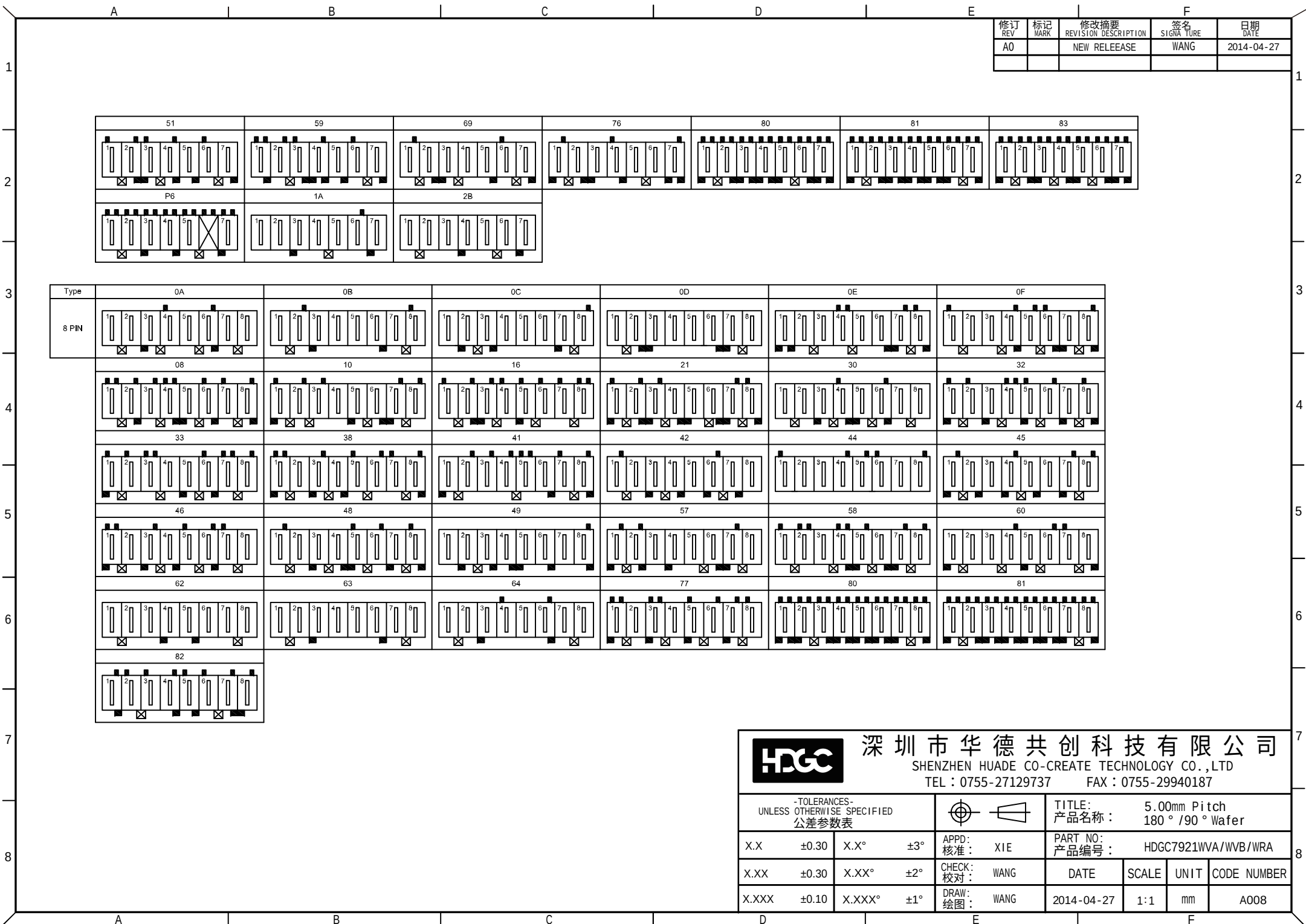
|  |  | 修订  |  | 标记   |  | 修改摘要                 |  | 签名        |  | 日期         |  |
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|  |  | REV |  | MARK |  | REVISION DESCRIPTION |  | SIGNATURE |  | DATE       |  |
|  |  | A0  |  |      |  | NEW RELEASE          |  | WANG      |  | 2014-04-27 |  |
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| Type  | 0A  | 0B  | 0C  | 0D  | 0E | 0F | 01 | 04 |
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| 6 PIN |     |     |     |     |    |    |    |    |
|       | 06  | 14  | 15  | 21  | 29 | 30 | 35 | 36 |
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|       | 37  | 39  | 42  | 43  | 44 | 46 | 50 | 51 |
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|       | 58  | 59  | 62  | 66  | 71 | 73 | 80 | 81 |
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| 82    | K06 | K07 | ZH1 | ZH2 |    |    |    |    |
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| Type  | 0A | 0B | 1B | 0C | 0E | 03 | 04 |
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| 7 PIN |    |    |    |    |    |    |    |
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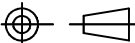
深圳市华德共创科技有限公司  
SHENZHEN HUADE CO-CREATE TECHNOLOGY CO.,LTD  
TEL : 0755-27129737      FAX : 0755-29940187

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| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED<br>公差参数表 |       |        |     |                 | TITLE: 5.00mm Pitch<br>产品名称: 180° /90° Wafer |       |      |             |
| X.X                                                 | ±0.30 | X.X°   | ±3° | APPD: 核准: XIE   | PART NO: HDGC7921WVA/WVB/WRA                 |       |      |             |
| X.XX                                                | ±0.30 | X.XX°  | ±2° | CHECK: 校对: WANG | DATE                                         | SCALE | UNIT | CODE NUMBER |
| X.XXX                                               | ±0.10 | X.XXX° | ±1° | DRAW: 绘图: WANG  | 2014-04-27                                   | 1:1   | mm   | A008        |

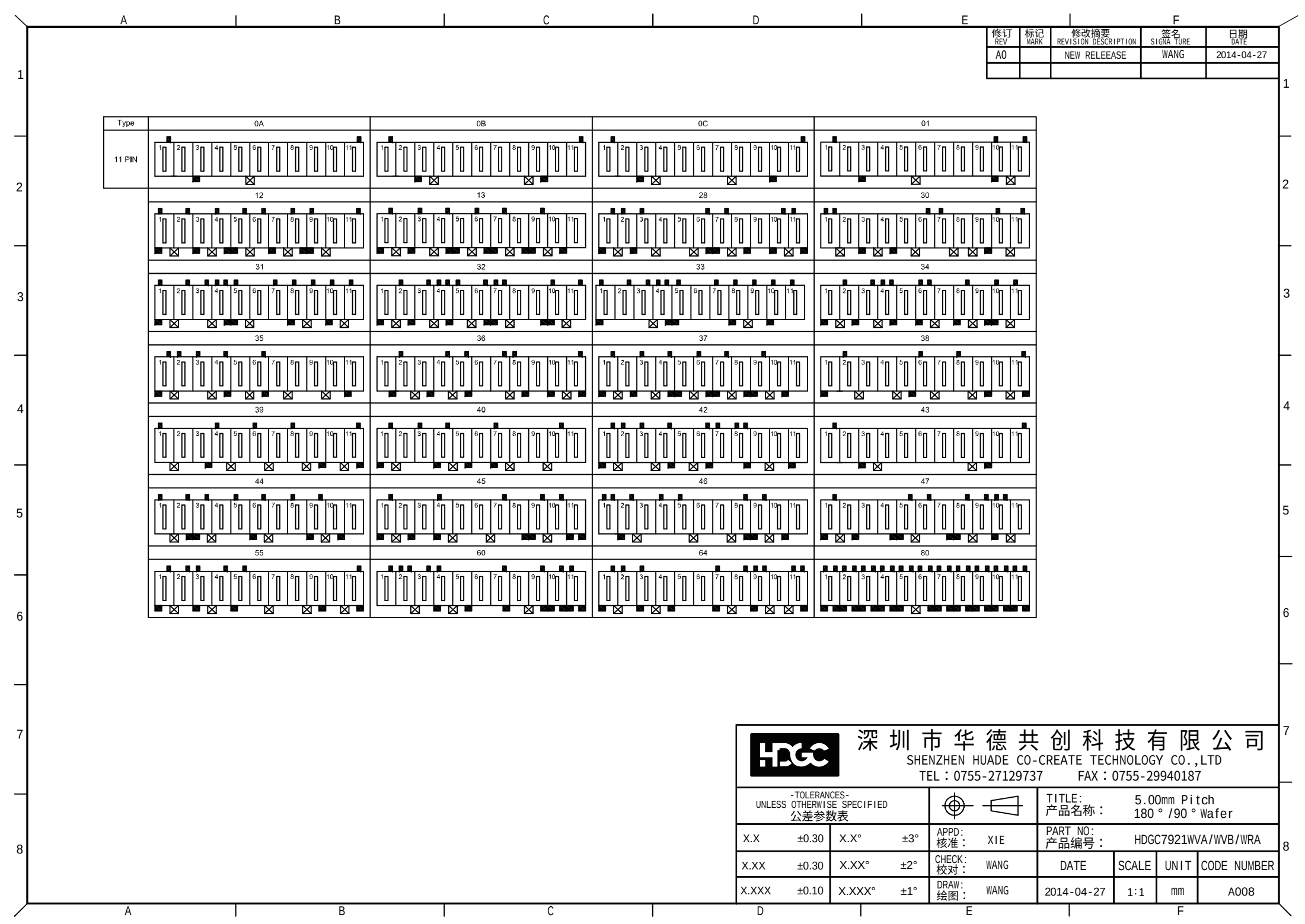


| 修订<br>REV | 标记<br>MARK | 修改摘要<br>REVISION DESCRIPTION | 签名<br>SIGNATURE | 日期<br>DATE |
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| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED<br>公差参数表                                   |       |                           |  |                     | TITLE: 5.00mm Pitch<br>产品名称: 180°/90° Wafer |       |      |
| X.X                                                                                   | ±0.30 | X.X° ±3°                  | APPD: 核准: XIE                                                                         |                     | PART NO: HDGC7921WVA/WVB/WRA                |       |      |
| X.XX                                                                                  | ±0.30 | X.XX° ±2°                 | CHECK: 校对: WANG                                                                       |                     | DATE                                        | SCALE | UNIT |
| X.XXX                                                                                 | ±0.10 | X.XXX° ±1°                | DRAW: 绘图: WANG                                                                        |                     | 2014-04-27                                  | 1:1   | mm   |
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| A |  | B |  | C |  | D |  | E |  | F |  |
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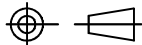


| 修订<br>REV | 标记<br>MARK | 修改摘要<br>REVISION DESCRIPTION | 签名<br>SIGNATURE | 日期<br>DATE |
|-----------|------------|------------------------------|-----------------|------------|
| A0        |            | NEW RELEASE                  | WANG            | 2014-04-27 |
|           |            |                              |                 |            |

| Type   | 0A | 0B | 0C | 01 |
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|        | 39 | 40 | 42 | 43 |
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|        | 44 | 45 | 46 | 47 |
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|        | 55 | 60 | 64 | 80 |
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|                                                     |       |                                                                                       |     |                                             |                                    |       |      |             |
|-----------------------------------------------------|-------|---------------------------------------------------------------------------------------|-----|---------------------------------------------|------------------------------------|-------|------|-------------|
| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED<br>公差参数表 |       |  |     | TITLE: 5.00mm Pitch<br>产品名称: 180°/90° Wafer |                                    |       |      |             |
| X.X                                                 | ±0.30 | X.X°                                                                                  | ±3° | APPD: 核准: XIE                               | PART NO: 产品编号: HDGC7921WVA/WVB/WRA |       |      |             |
| X.XX                                                | ±0.30 | X.XX°                                                                                 | ±2° | CHECK: 校对: WANG                             | DATE                               | SCALE | UNIT | CODE NUMBER |
| X.XXX                                               | ±0.10 | X.XXX°                                                                                | ±1° | DRAW: 绘图: WANG                              | 2014-04-27                         | 1:1   | mm   | A008        |

