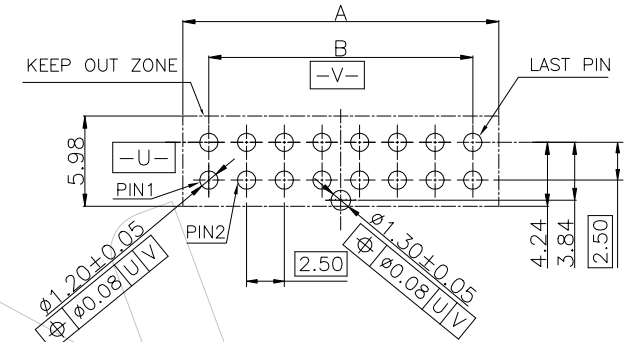
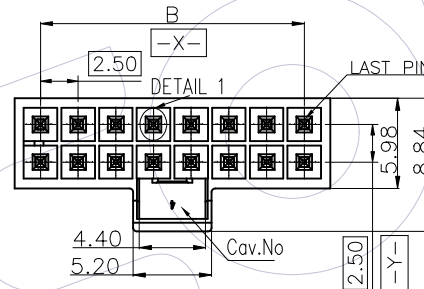
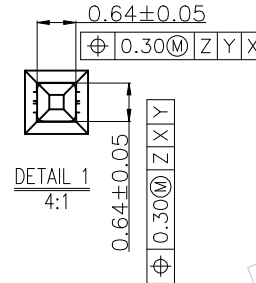
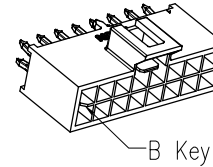
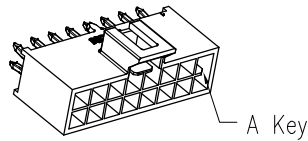


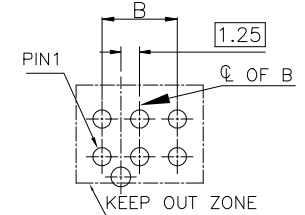
# HSF

## NOTES:

1. Rated Current: See Table1;
2. Voltage Rating: 250V ;
3. Contact Resistance: Initial: 10mΩ Max.  
Final: 20mΩ Max;
4. Withstand Voltage: 1500V AC;
5. Insulation Resistance: 1000MΩ Min;
6. Operation Temperature: -40℃ to +125℃;
7. Contact Material: copper alloy;
8. Contact Plating:  
Under Plating Nickel 50u" ; Solder Area: Bright Tin 60u" Min;  
Contact Area: Au Or Sn
9. Insulator Body Material: LCP, G.F, UL94V-0 ;
10. Recommended process:  
Wave Solder, Peak temperature: 260±5℃.
11. RoHS COMPLIANT.



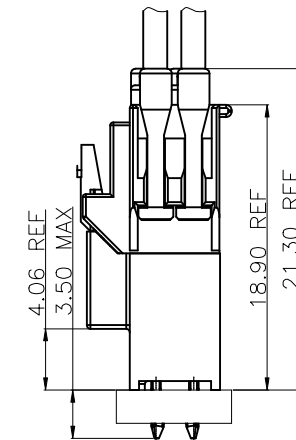
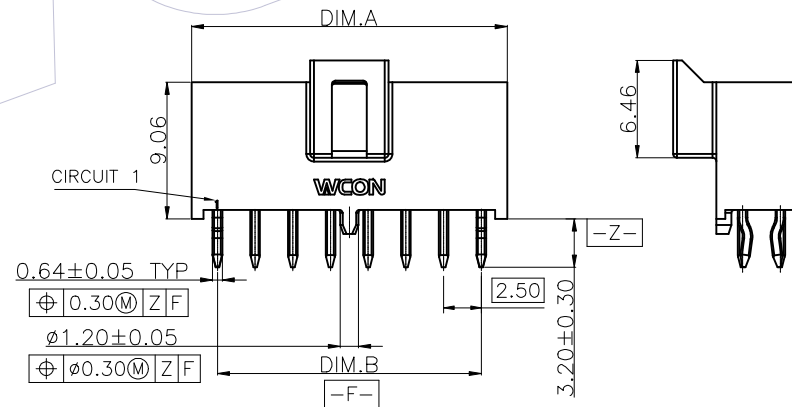
RECOMMENDED PCB LAYOUT (CONNECTOR SIDE VIEW)  
TOLERANCE ±0.05  
THICKNESS: 1.60 TO 2.40 MM



ONLY FOR PIN 6,10,14  
OTHER DIMENSIONS REFER TO LEFT VIEWS

## Ordering Information

WF 2508-2 WS H XX XX X X 1  
Dual Rows  
180° Dip  
High Temperature Plastic  
NO. Of Pins Per Row  
02 ~ 8 Pin  
Package A=Tray  
Housing Color  
T=Natural  
B=Black  
Contact Plating  
S1=3u" Gold/Tin  
S4=15u" Gold/Tin  
S5=30u" Gold/Tin  
Blank=Bright Tin



| Pin | DIM.  |       |
|-----|-------|-------|
|     | A     | B     |
| 2*2 | 5.94  | 2.50  |
| 2*3 | 8.44  | 5.00  |
| 2*4 | 10.94 | 7.50  |
| 2*5 | 13.44 | 10.00 |
| 2*6 | 15.94 | 12.50 |
| 2*7 | 18.44 | 15.00 |
| 2*8 | 20.94 | 17.50 |

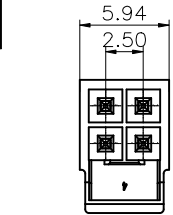
|     |         |                          |          | OPERATION |       | DRAW    | DATE | SCALE | 1:1 | PART NO.                                    | TITLE: | Customer NO. |
|-----|---------|--------------------------|----------|-----------|-------|---------|------|-------|-----|---------------------------------------------|--------|--------------|
|     |         |                          |          | X.X       | ±0.40 |         |      |       |     |                                             |        |              |
|     |         |                          |          | X.XX      | ±0.25 | CHECK   | DATE | SIZE  | A4  | 2.5*2.5mm Wafer Dual Rows,<br>180°DIP, KINK |        |              |
|     |         |                          |          | X.XXX     | ±0.15 |         |      |       |     |                                             |        |              |
|     |         |                          |          | Angle     | ± 3'  | APPROVE | DATE | SHEET | 1/2 |                                             |        |              |
|     |         |                          |          | DIM       | TOL   |         |      |       |     |                                             |        |              |
| A0  | 8/19'23 | NEW                      | Dean.Liu |           |       |         |      |       |     |                                             |        |              |
| REV | DATE    | MODIFICATION DESCRIPTION | CHANGE   |           |       |         |      | PROJ. |     |                                             |        |              |

**WCON**  
Http: www.wcon.com

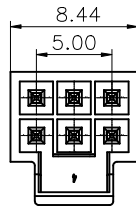
WCON-Dongguan  
Tel: +86 769 85358920  
Fax: +86 769 85358915  
E-mail: sales@wcon.com

WCON-Kunshan  
Tel: +86 512 57468408  
Fax: +86 512 57468468  
E-mail: sales@wcon.com

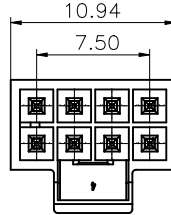
HSF



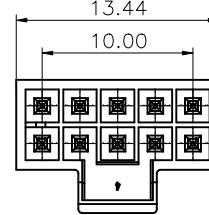
2\*2 PIN



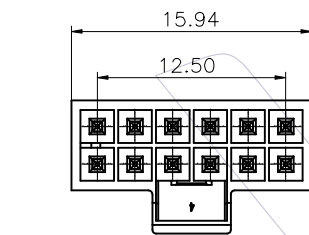
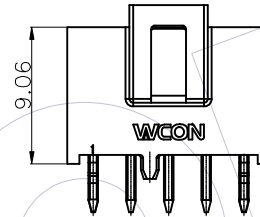
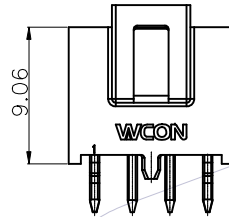
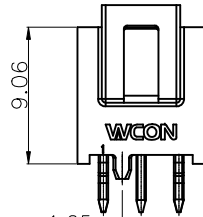
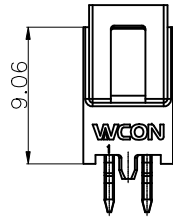
2\*3 PIN



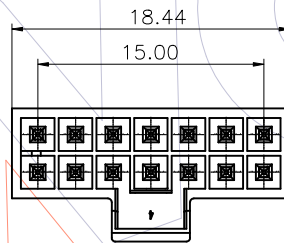
2\*4 PIN



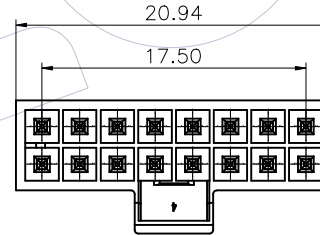
2\*5 PIN



2\*6 PIN



2\*7 PIN



2\*8 PIN

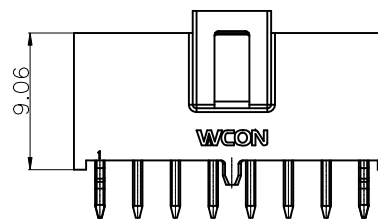
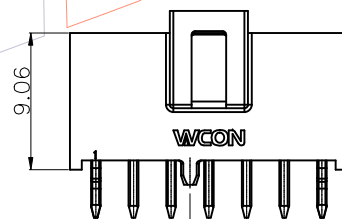
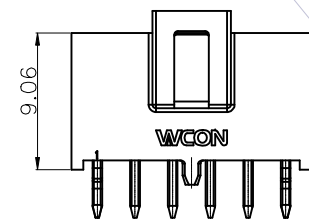
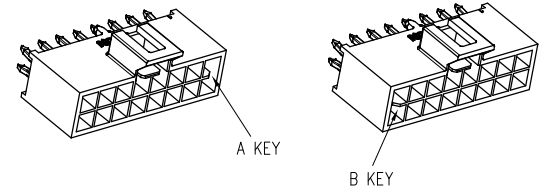


Table1

| Connector fully loaded with all circuits powered |                     |     |     |     |     |     |     |  |
|--------------------------------------------------|---------------------|-----|-----|-----|-----|-----|-----|--|
| PIN<br>Current<br>AWG Rating                     | PIN Size(Dual Rows) |     |     |     |     |     |     |  |
|                                                  | 2*2                 | 2*3 | 2*4 | 2*5 | 2*6 | 2*7 | 2*8 |  |
| 20                                               | 7.5                 | 7.1 | 6.8 | 6.5 | 6.1 | 5.8 | 5.5 |  |
| 22                                               | 5.5                 | 5.2 | 5.0 | 4.7 | 4.5 | 4.2 | 4.0 |  |
| 24                                               | 5.5                 | 5.1 | 4.8 | 4.5 | 4.1 | 3.8 | 3.5 |  |
| 26                                               | 4.0                 | 3.8 | 3.6 | 3.5 | 3.3 | 3.1 | 3.0 |  |



\* Note: KEY structure diagrams

|     |         |                          |  |           |            |          |  |         |  |       |  |                            |  |
|-----|---------|--------------------------|--|-----------|------------|----------|--|---------|--|-------|--|----------------------------|--|
|     |         |                          |  | OPERATION |            | DRAW     |  | DATE    |  | SCALE |  | PART NO.                   |  |
|     |         |                          |  | X.X       | ±0.40      | Dean.Liu |  | 8/19'23 |  | UNIT  |  | WF2508-2WSHXXXXX1          |  |
|     |         |                          |  | X.XX      | ±0.25      | CHECK    |  | DATE    |  | SIZE  |  | TITLE:                     |  |
|     |         |                          |  | X.XXX     | ±0.15      | Tom.dai  |  | 8/19'23 |  | SHEET |  | 2.5*2.5mm Wafer Dual Rows, |  |
| A0  | 8/19'23 | NEW                      |  | Dean.Liu  | Angle ± 3' | APPROVE  |  | DATE    |  | 2/2   |  | 180°DIP, KINK              |  |
| REV | DATE    | MODIFICATION DESCRIPTION |  | CHANGE    | DIM TOL    |          |  |         |  | PROJ. |  | Customer NO.               |  |

**WCON**  
Http: www.wcon.com

|                                                                                           |                                                                                            |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| WCON-Dongguan<br>Tel: +86 769 85358920<br>Fax: +86 769 85358915<br>E-mail: sales@wcon.com | WCON-Kunshan<br>Tel: +86 512 57468408<br>Fax: +86 512 57468468<br>E-mail: salesks@wcon.com |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|