

# 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.

## Ordering Information

WF 2508-1 WS H XX XX X X 1

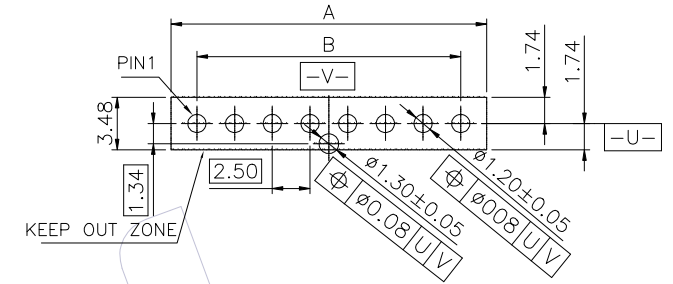
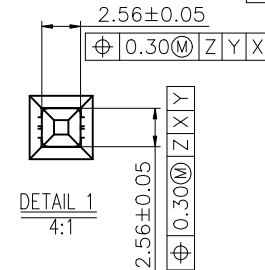
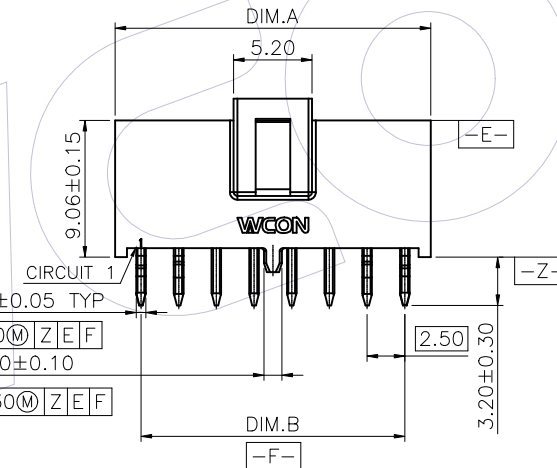
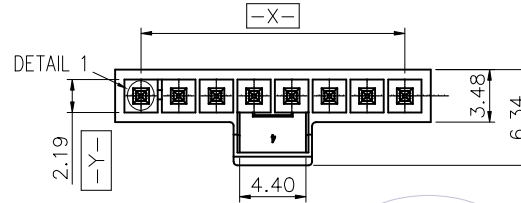
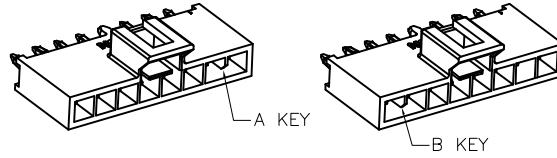
Row 1=Single  
180° Dip

High Temperature Plastic

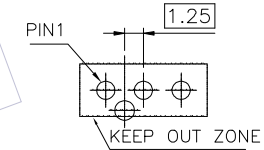
NO. of PIN  
02=2 Pin  
.....  
08=8 Pin

Package A=Tray  
Housing Color  
T=Natural  
B=Black

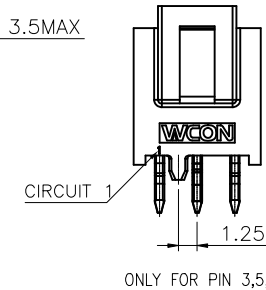
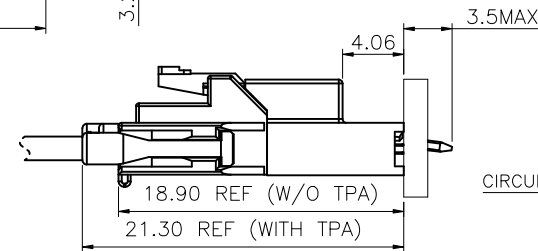
Contact Plating  
S1=3u" Gold/Tin  
S4=15u" Gold/Tin  
S5=30u" Gold/Tin  
BLank=Bright Tin



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



ONLY FOR PIN 3,5,7  
OTHER DIMENSIONS REFER TO LEFT VIEWS



| Pin (N) | DIM.  |       |
|---------|-------|-------|
|         | DIM.A | DIM.B |
| 1*2     | 5.94  | 2.50  |
| 1*3     | 8.44  | 5.00  |
| 1*4     | 10.94 | 7.50  |
| 1*5     | 13.44 | 10.00 |
| 1*6     | 15.94 | 12.50 |
| 1*7     | 18.44 | 15.00 |
| 1*8     | 20.94 | 17.50 |

|     |         |                          |          |           |       |                    |                   |                 |                                                                                     |                                |
|-----|---------|--------------------------|----------|-----------|-------|--------------------|-------------------|-----------------|-------------------------------------------------------------------------------------|--------------------------------|
|     |         |                          |          | OPERATION |       | DRAW<br>Dean.Liu   | DATE<br>8/19'23   | SCALE           | 1:1                                                                                 | PART NO.<br>WF2058-1WSHXXXXXX1 |
|     |         |                          |          | X.X       | ±0.40 |                    | CHECK<br>Dean.Lin | DATE<br>8/19'23 | UNIT<br>mm                                                                          |                                |
|     |         |                          |          | X.XX      | ±0.25 | APPROVE<br>Tom.dai |                   | DATE<br>8/19'23 | SIZE<br>A4                                                                          | Customer NO.                   |
| A0  | 8/19'23 | NEW                      | Dean.Liu | X.XXX     | ±0.15 |                    | Angle<br>± 3'     | DATE<br>8/19'23 | SHEET<br>1/2                                                                        |                                |
| REV | DATE    | MODIFICATION DESCRIPTION | CHANGE   | DIM       | TOL   | PROJ.              |                   |                 |  |                                |

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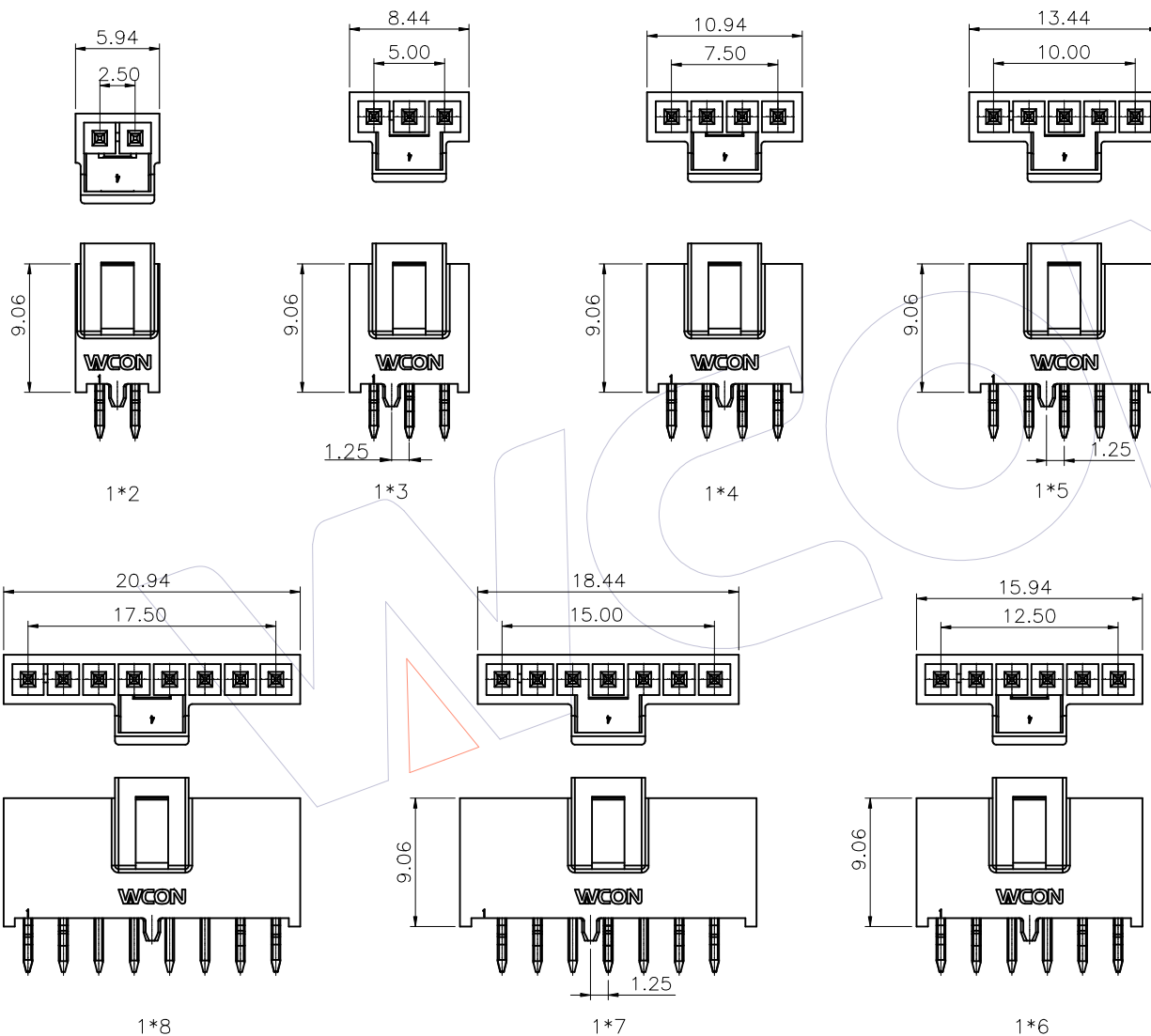
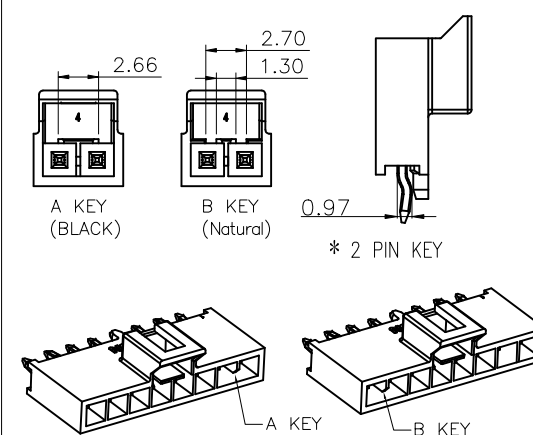


Table1

| Connector fully loaded with all circuits powered |                      |     |     |     |     |     |     |  |
|--------------------------------------------------|----------------------|-----|-----|-----|-----|-----|-----|--|
| PIN<br>Current<br>AWG Rating                     | PIN Size(Single row) |     |     |     |     |     |     |  |
|                                                  | 2                    | 3   | 4   | 5   | 6   | 7   | 8   |  |
| 20                                               | 8.0                  | 7.7 | 7.5 | 7.2 | 7.0 | 6.7 | 6.5 |  |
| 22                                               | 6.5                  | 6.1 | 5.8 | 5.5 | 5.1 | 4.8 | 4.5 |  |
| 24                                               | 6.0                  | 5.7 | 5.5 | 5.2 | 5.0 | 4.7 | 4.5 |  |
| 26                                               | 5.0                  | 4.7 | 4.5 | 4.2 | 4.0 | 3.7 | 3.5 |  |



\* Note: KEY structure diagrams

|     |         |                          |          |           |       |                    |                   |                 |      |                               |
|-----|---------|--------------------------|----------|-----------|-------|--------------------|-------------------|-----------------|------|-------------------------------|
|     |         |                          |          | OPERATION |       | DRAW<br>Dean.Liu   | DATE<br>8/19'23   | SCALE           | 1:1  | PART NO.<br>WF2058-1WSHXXXXX1 |
|     |         |                          |          | X.X       | ±0.40 |                    | CHECK<br>Dean.Lin | DATE<br>8/19'23 | UNIT |                               |
|     |         |                          |          | X.XX      | ±0.25 | APPROVE<br>Tom.dai |                   | DATE<br>8/19'23 | SIZE | A4                            |
|     |         |                          |          | X.XXX     | ±0.15 |                    | SHEET             |                 | 2/2  | PROJ.                         |
| A0  | 8/19'23 | NEW                      | Dean.Liu | Angle     | ± 3°  | DIM                |                   | TOL             |      |                               |
| REV | DATE    | MODIFICATION DESCRIPTION | CHANGE   |           |       |                    |                   |                 |      |                               |

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