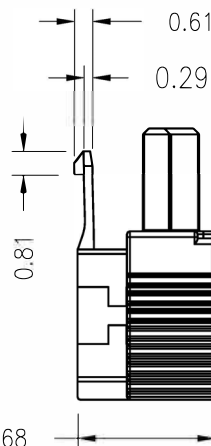
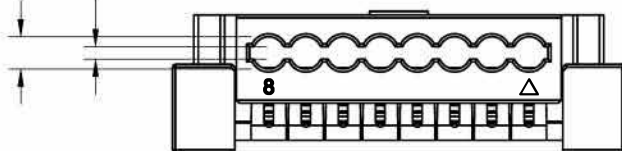
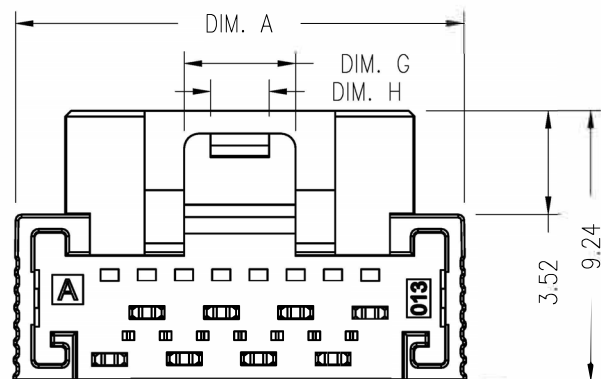
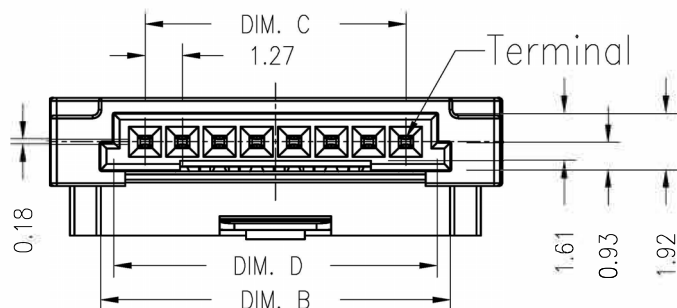
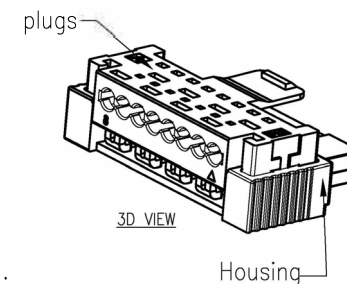


RoHS

This products can apply to the HRS Doc NO. QA-3-04-005  
of Environmental&Material Management Rules



| PIN# | DIM A | DIM B | DIM C | DIM D | DIM G     | DIM H     |
|------|-------|-------|-------|-------|-----------|-----------|
| 2    | 7.68  | 4.30  | 1.27  | 3.40  | 3.30      | 2.00      |
| 3    | 8.95  | 5.57  | 2.54  | 4.67  | 3.30      | 2.00      |
| 4    | 10.22 | 6.84  | 3.81  | 5.94  | 3.80      | 2.00      |
| 5    | 11.49 | 8.11  | 5.08  | 7.21  | 3.80      | 2.00      |
| 6    | 12.76 | 9.38  | 6.35  | 8.48  | 3.80/6.50 | 2.00/4.50 |
| 7    | 14.03 | 10.65 | 7.62  | 9.75  | 3.80/6.50 | 2.00/4.50 |
| 8    | 15.30 | 11.92 | 8.89  | 11.02 | 3.80/6.50 | 2.00/4.50 |
| 9    | 16.57 | 13.19 | 10.16 | 12.29 | 3.80/6.50 | 2.00/4.50 |
| 10   | 17.84 | 14.46 | 11.43 | 13.56 | 3.80/6.50 | 2.00/4.50 |
| 11   | 19.11 | 15.73 | 12.70 | 14.83 | 3.80/6.50 | 2.00/4.50 |
| 12   | 20.38 | 17.00 | 13.97 | 16.1  | 3.80/6.50 | 2.00/4.50 |
| 13   | 21.65 | 18.27 | 15.24 | 17.37 | 3.80/6.50 | 2.00/4.50 |
| 14   | 22.92 | 19.54 | 16.51 | 18.64 | 3.80/6.50 | 2.00/4.50 |
| 15   | 24.19 | 20.81 | 17.78 | 19.91 | 3.80/6.50 | 2.00/4.50 |
| 16   | 25.46 | 22.08 | 19.05 | 21.18 | 3.80/6.50 | 2.00/4.50 |



#### Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A (0.35mm<sup>2</sup>)  
1.5A(0.13mm<sup>2</sup>)
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤25mΩ
- Mates With HRS Housing: HRS-1278WRS/1278WS

HRS - 1278 H I - XX X X - LP GW05 B T V  
① ②③ ④ ⑤⑥ ⑦ ⑧ ⑨⑩⑪

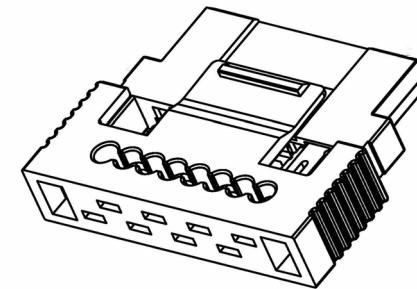
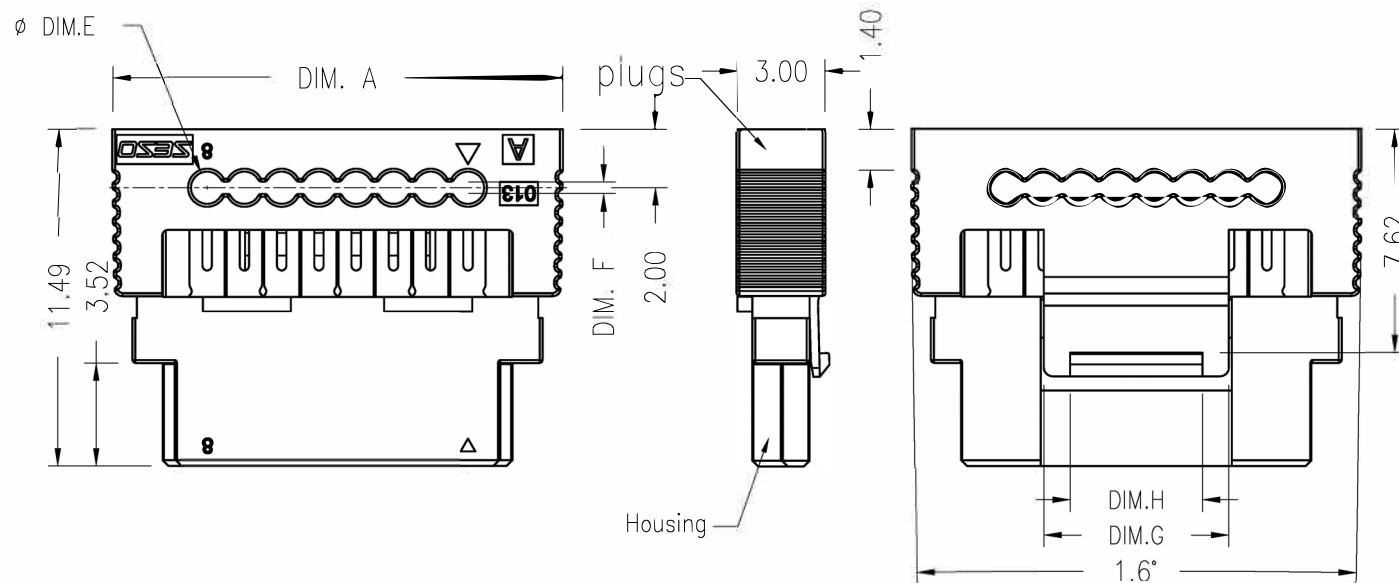
- Series No.
- Category: H-Housing
- Connector Type: I- HSG+Hardware
- Row No.-Pin No: XX-Single Row 1xXXPin
- Wire diameter: F1-0.35mm<sup>2</sup>; F-0.22mm<sup>2</sup>; Empty code-0.13mm<sup>2</sup>
- Hook specification code:  
empty code=2-03PIN(DIM G=3.3mm/DIM H=2.00mm)  
=4-5PIN(DIM G=3.8mm/DIM H=2.00mm)  
=6-16PIN(DIM G=6.3mm/DIM H=4.50mm)  
B=6-16PIN(DIM G=3.8mm/DIM H=2.00mm)
- Plastic material: LP- LCP UL94V-0
- Plating Code: GW05-5u"(0.125um)Au  
plating in contact area,80-160u"(2~4um)Sn  
plating in solder area,30u"Min(0.75um" Min)  
nickel overall
- Color: N-Natural; B-Black; R-Red; L-Blue
- Packing:T - tray
- Special code: V-180°

| X2 PART NO                 | DIM.E | DIM.F |
|----------------------------|-------|-------|
| HRS-1278HI-XXF1X-LPGW05BTB | 1.30  | 0.62  |
| HRS-1278HI-XXFX-LPGW05BTB  | 1.10  | 0.42  |
| HRS-1278HI-XXX-LPGW05BTB   | 1.10  | 0.42  |

|            |     |         |                                                     |        |            |                   |                                                                         |            |            |       |                                                  |      |       |       |
|------------|-----|---------|-----------------------------------------------------|--------|------------|-------------------|-------------------------------------------------------------------------|------------|------------|-------|--------------------------------------------------|------|-------|-------|
| 2023/09/19 | X2  | /       | Adding wire numbers and<br>modifying part numbers   | YUAN   | Larry Yang | GENERAL TOLERANCE | <br>Horus Int. Electronics Co., LTD.<br>Horustech Electronics Co., LTD. |            |            |       | PART NO.<br>HRS-1278HI-XXXX-LPGW05BTB            |      |       |       |
| 2023/07/20 | X1  | /       | Modifying the logo and adding<br>new specifications | YUAN   | Larry Yang | .X ±0.35          |                                                                         |            |            |       | TITLE<br>1.27mm PITCH Single<br>RowWTB Connector |      |       |       |
| 2022/12/07 | X0  | /       | Initial Release                                     | YUAN   | Larry Yang | .XX ±0.25         |                                                                         |            |            |       |                                                  |      |       |       |
|            |     |         |                                                     |        |            | .XXX±0.15         |                                                                         |            |            |       |                                                  |      |       |       |
| DATE       | REV | ECN NO. | DESCRIPTION                                         | MODIFY | APPROVAL   | X: ±2°            | PROJECT                                                                 | APPROVAL   | CHECK      | DRAWN | DATE                                             | UNIT | SCALE | SHEET |
|            |     |         |                                                     |        |            |                   |                                                                         | Jack Zhang | Larry Yang | YUAN  | 2022/12/07                                       | mm   | 1:1   | 1/1   |
|            |     |         |                                                     |        |            |                   |                                                                         |            |            |       |                                                  | REV  | X2    | PC    |

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&amp;Material Management Rules



3D VIEW

## ■ Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A (0.35mm<sup>2</sup>)  
1.5A(0.13mm<sup>2</sup>)
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤25mΩ
- Mates With HRS Housing: HRS-1278WRS/1278WVS

HRS-1278HI-XX-X-LPGW05BTIR  
 ① ②③ ④ ⑤ ① ⑥ ⑦⑧⑨

① Series No.

② Category: H-Housing

③ Connector Type: I- HSG+Hardware

④ Row No.-Pin No: XX-Single Row 1xXXPin

⑤ Wire diameter: F1-0.35mm<sup>2</sup>; F-0.22mm<sup>2</sup>;  
 Empty code-0.13mm<sup>2</sup>

⑥ Plastic material: LP- LCP UL94V-0

⑦ Plating Code: GW05-5u"(0.125um)Au  
 plating in contact area, 80-160u"(2~4um)Sn  
 plating in solder area, 30u"Min(0.75um" Min)

⑧ nickel overall

⑨ Color: N-Natural; B-Black; R-Red; L-Blue

⑩ Packing: T - tray

Special code: R-90°

| PIN# | DIM A | DIM B | DIM C | DIM D | DIM G | DIM H |
|------|-------|-------|-------|-------|-------|-------|
| 2    | 7.74  | 4.30  | 1.27  | 3.40  | 3.30  | 2.00  |
| 3    | 9.01  | 5.57  | 2.54  | 4.67  | 3.30  | 2.00  |
| 4    | 10.28 | 6.84  | 3.81  | 5.94  | 3.80  | 2.00  |
| 5    | 11.55 | 8.11  | 5.08  | 7.21  | 3.80  | 2.00  |
| 6    | 12.82 | 9.38  | 6.35  | 8.48  | 6.50  | 4.50  |
| 7    | 14.09 | 10.65 | 7.62  | 9.75  | 6.50  | 4.50  |
| 8    | 15.36 | 11.92 | 8.89  | 11.02 | 6.50  | 4.50  |
| 9    | 16.63 | 13.19 | 10.16 | 12.29 | 6.50  | 4.50  |
| 10   | 17.90 | 14.46 | 11.43 | 13.56 | 6.50  | 4.50  |
| 11   | 19.17 | 15.73 | 12.70 | 14.83 | 6.50  | 4.50  |
| 12   | 20.44 | 17.00 | 13.97 | 16.1  | 6.50  | 4.50  |
| 13   | 21.71 | 18.27 | 15.24 | 17.37 | 6.50  | 4.50  |
| 14   | 22.98 | 19.54 | 16.51 | 18.64 | 6.50  | 4.50  |
| 15   | 24.25 | 20.81 | 17.78 | 19.91 | 6.50  | 4.50  |
| 16   | 25.52 | 22.08 | 19.05 | 21.18 | 6.50  | 4.50  |

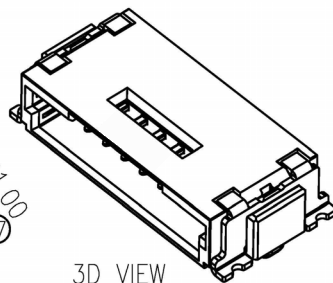
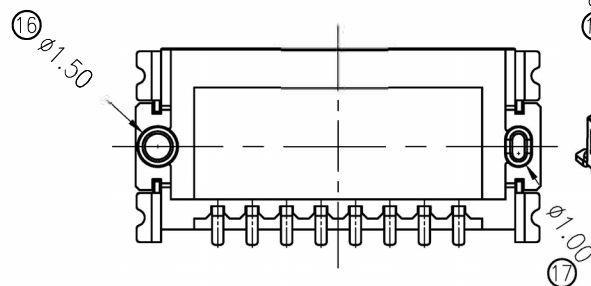
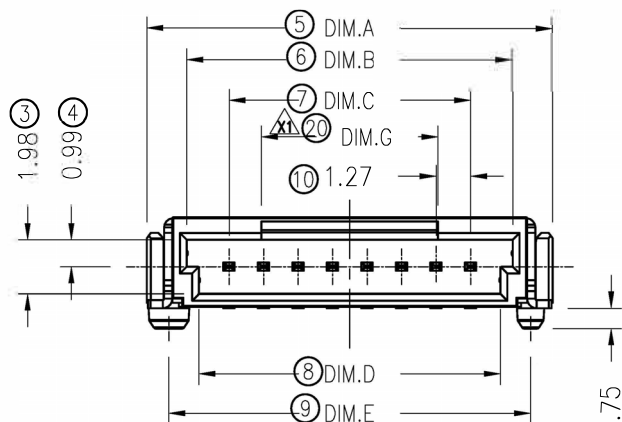
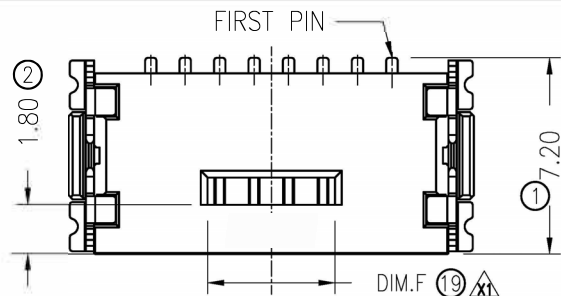
X2

| PART NO                   | DIM. E | DIM. F |
|---------------------------|--------|--------|
| HRS-1278HI-XXF1-LPGW05BTR | 1.30   | 0.62   |
| HRS-1278HI-XXF-LPGW05BTR  | 1.1    | 0.42   |
| HRS-1278HI-XX-LPGW05BTR   | 1.1    | 0.42   |

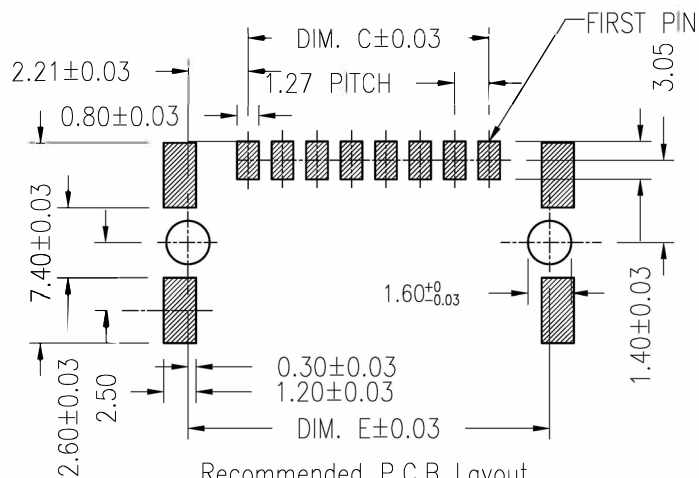
|            |     |         |                                                |        |            |                   |                                                                                                   |            |       |            |                                            |     |        |    |
|------------|-----|---------|------------------------------------------------|--------|------------|-------------------|---------------------------------------------------------------------------------------------------|------------|-------|------------|--------------------------------------------|-----|--------|----|
| 2023/09/19 | x2  | /       | Adding wire numbers and modifying part numbers | YUAN   | Larry Yang | GENERAL TOLERANCE | <div> <div> Horus Int. Electronics. Co., LTD.<br/> HorusTech Electronics. Co., LTD. </div> </div> |            |       |            | PART NO. HRS-1278HI-XXX-LPGW05BTR          |     |        |    |
| 2023/07/20 | x1  | /       | Modify the logo and add dimensions             | YUAN   | Larry Yang | .X ±0.35          |                                                                                                   |            |       |            | TITLE 1.27mm PITCH Single RowWTB Connector |     |        |    |
| 2022/12/07 | x0  | /       | Initial Release                                | YUAN   | Larry Yang | .XXX ±0.15        |                                                                                                   |            |       |            | UNIT mm                                    |     |        |    |
|            |     |         |                                                |        |            | X: ±2°            |                                                                                                   |            |       |            | SCALE 1:1                                  |     |        |    |
| DATE       | REV | ECN NO. | DESCRIPTION                                    | MODIFY | APPROVAL   | PROJECT           | APPROVAL                                                                                          | CHECK      | DRAWN | DATE       | SHEET                                      | REV | NUMBER | PC |
|            |     |         |                                                |        |            |                   | Jack Zhang                                                                                        | Larry Yang | YUAN  | 2022/12/07 | 1/1                                        | X2  |        |    |

RoHS

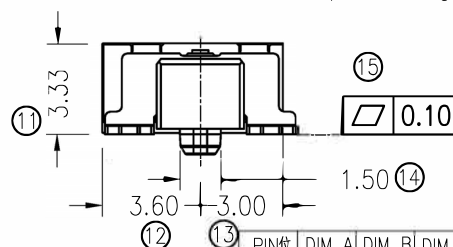
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&amp;Material Management Rules



3D VIEW



Recommended P.C.B Layout  
General tolerance  $\pm 0.05$   
Solder paste height  $0.12 \sim 0.15 \text{ mm}$



| PIN位 | DIM A | DIM B | DIM C | DIM D | DIM E | DIM F | DIM G |
|------|-------|-------|-------|-------|-------|-------|-------|
| 2    | 7.32  | 4.38  | 1.27  | 3.48  | 5.69  | 2.20  | 3.50  |
| 3    | 8.59  | 5.65  | 2.54  | 4.75  | 6.96  | 2.20  | 3.50  |
| 4    | 9.86  | 6.92  | 3.81  | 6.02  | 8.23  | 2.20  | 4.00  |
| 5    | 11.13 | 8.19  | 5.08  | 7.29  | 9.50  | 2.20  | 4.00  |
| 6    | 12.40 | 9.46  | 6.35  | 8.56  | 10.77 | 4.70  | 6.50  |
| 7    | 13.67 | 10.73 | 7.62  | 9.83  | 12.04 | 4.70  | 6.50  |
| 8    | 14.94 | 12.00 | 8.89  | 11.10 | 13.31 | 4.70  | 6.50  |
| 9    | 16.21 | 13.27 | 10.16 | 12.37 | 14.58 | 4.70  | 6.50  |
| 10   | 17.48 | 14.54 | 11.43 | 13.64 | 15.85 | 4.70  | 6.50  |
| 11   | 18.75 | 15.81 | 12.70 | 14.91 | 17.12 | 4.70  | 6.50  |
| 12   | 20.02 | 17.08 | 13.97 | 16.18 | 18.39 | 4.70  | 6.50  |
| 13   | 21.29 | 18.35 | 15.24 | 17.45 | 19.66 | 4.70  | 6.50  |
| 14   | 22.56 | 19.62 | 16.51 | 18.72 | 20.93 | 4.70  | 6.50  |
| 15   | 23.83 | 20.89 | 17.78 | 19.99 | 22.20 | 4.70  | 6.50  |
| 16   | 25.10 | 22.16 | 19.05 | 21.26 | 23.47 | 4.70  | 6.50  |

## ■ Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A(0.35mm<sup>2</sup>)  
1.5A (0.13mm<sup>2</sup>)
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance:  $\geq 100 \text{ M}\Omega$
- Contact resistance:  $\leq 25 \text{ m}\Omega$
- Mates With HRS Housing: HRS-1278HI-XX

HRS-1278 W R S - XX -LP GW01 B R S  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
- ② Category: W-wafer
- ③ Connector Type: R- 90°
- ④ Forming method: S-SMT
- ⑤ Row No.-Pin No: XX-Single Row 1xXXPin
- ⑥ Plastic material: LP- LCP UL94V-0
- ⑦ Plating Code: GW01-, Gold Flash Au plating in contact area, 80~160u"(2~4um)Sn . plating in solder area, 40~120u"(1~3um)". nickel overall
- ⑧ Color: N-Natural; B-Black; R-Red; L-Blue
- ⑨ Packing: R-Reel
- ⑩ Special code: S

2023/07/20 X1 / Modify the logo and add ribs

2022/12/07 X0 / Initial Release

DATE REV ECN NO.

DESCRIPTION

MODIFY

APPROVAL

## GENERAL TOLERANCE

.X  $\pm 0.35$ .XX  $\pm 0.25$ .XXX  $\pm 0.15$ .X'  $\pm 2'$ 

PROJECT



Horus Int. Electronics. Co., LTD.

Horustech Electronics. Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jack Zhang

Larry Yang

YUAN

2022/12/07

## PART NO.

HRS-1278WRS-XX-LPGW01BRS

TITLE 1.27mm PITCH SINGLE ROW WTB CONNECTOR

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/1

X1

A-000