

RoHS

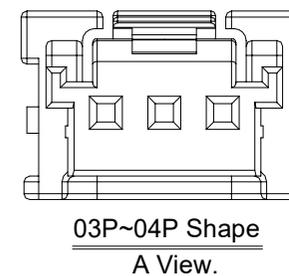
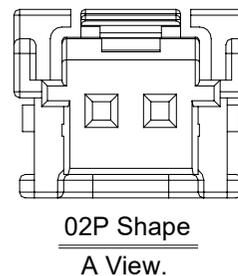
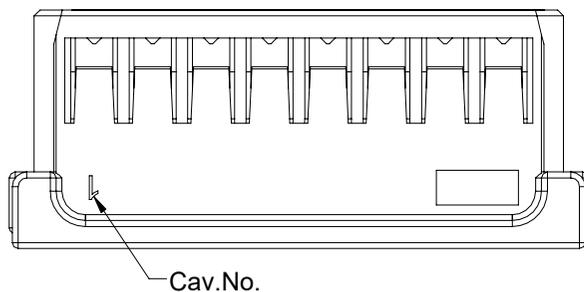
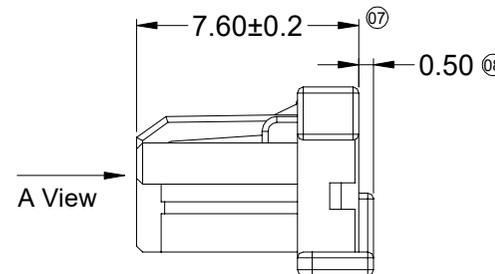
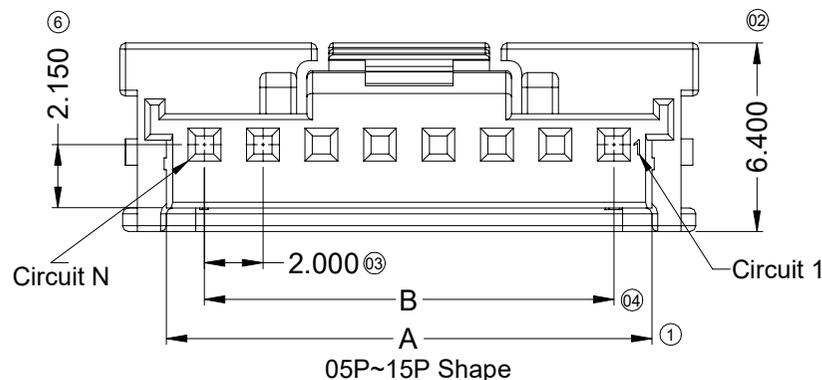
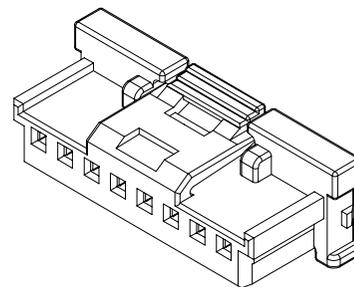
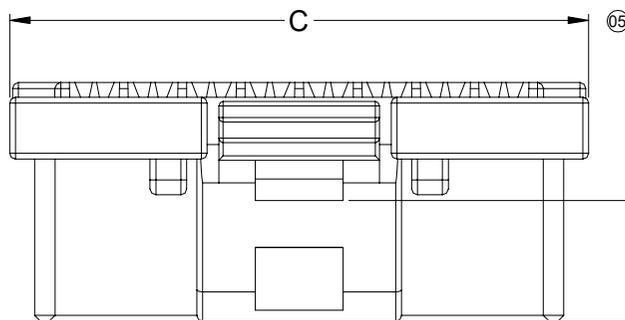
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules

■ Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥ 1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Suitable HRS Terminal: HRS-2021T
- Suitable HRS TPA: HRS-C2021
- Suitable HRS Header: HRS-2008W
- "★" Critical dimension

HRS-2021 H - XX - PT XX
 ① ② ③ ④ ⑤

- ① Series No.
- ② Category: H-HOUSING
- ③ Row No.-Pin No.:XX-02~15 Pin
- ④ Plastic material:PT-PBT+GF UL94-V0
- ⑤ Color:BK-Black NC-Natural

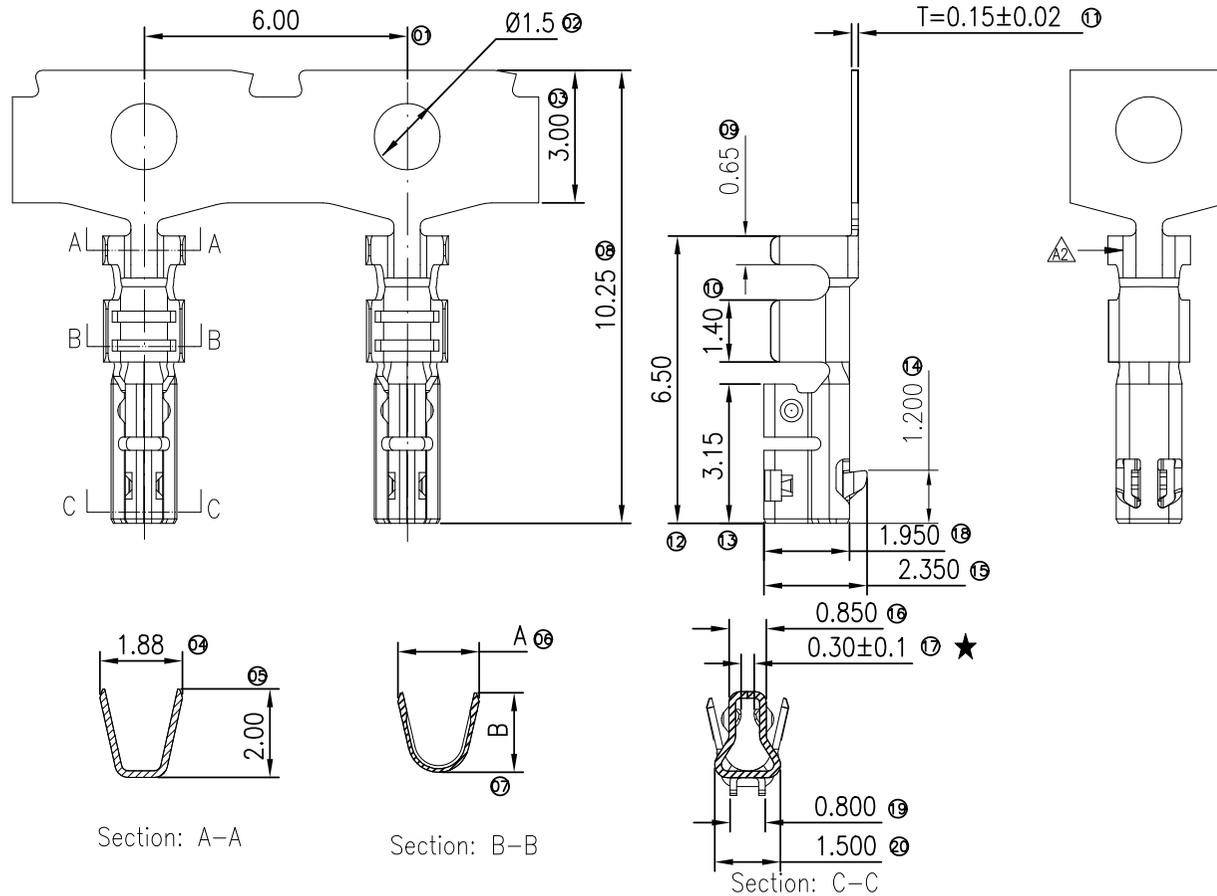


Poles	Dimensions (mm)		
	A	B	C
02	4.60	2.00	8.00
03	6.60	4.00	9.80
04	8.60	6.00	11.80
05	10.60	8.00	13.80
06	12.60	10.00	15.80
07	14.60	12.00	17.80
08	16.60	14.00	19.80
09	18.60	16.00	21.80
10	20.60	18.00	23.80
11	22.60	20.00	25.80
12	24.60	22.00	27.80
13	26.60	24.00	29.80
14	28.60	26.00	31.80
15	30.60	28.00	33.80

					GENERAL TOLERANCE				Horus Int. Electronics Co., LTD.				PART NO. HRS-2021H-XX-PTXX																															
					.X ±0.30				Horustech Electronics Co., LTD.				TITLE 2.00mm Pitch WTB Conn.Housing With TPA Feature																															
					.XX ±0.20																																							
					.XXX±0.10				APPROVAL				CHECK				DRAWN				DATE																							
					X.' ±2'				Zhang				Larry Yang				Xiaohu Jiang				2020/08/07																							
					PROJECT				UNIT				SCALE				SHEET				REV				NUMBER																			
20220810					A2				/				Plastic new color specification				Wangcheng				Larry Yang				mm				4:1				1/1				A2				A-000			
DATE					REV				ECN NO.				DESCRIPTION				MODIFY				APPROVAL																							

RoHS

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



■ Specification:

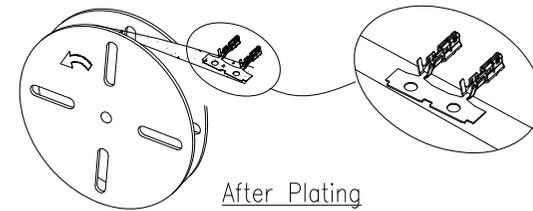
- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+105°C(Phosphor Bronze)
- Insulation resistance: ≥ 1000MΩ
- Contact resistance: <10mΩ
- After environmental testing:<20mΩ
- "★" Critical dimension

HRS-2021 T X - P SN1

- ① Series Number: 2021
- ② Category: T-Terminal
- ③ Shape: Blank-Low Feet,-High Feet
- ⚠④ Material: P-Phosphor Bronze
- ⑤ Plating code: SN1-40~120u"(1~3um)Ni,80~200u"(2~5um)Tin

Table 1

HRS-2021TH-PSN1	AWG#22 (0.35mm ²)	ø1.4mm Max	HRS-2021H	1.85	1.80
HRS-2021T-PSN1	AWG#24~26 (0.22~0.13mm ²)	ø1.2mm Max		1.25	1.35
P/N	Wire Range	Insulation O.D.	Suitable HRS Housing	Dim A	Dim B



After Plating

2021/08/10	A3	/	Update Drawing Frame	Zeng	Robing	Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.				PART NO. HRS-2021TX-PSN1					
2021/02/23	A2	/	Add HRS LOGO	Xiaohu Jiang	Harvey Yan	GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X.' ±2"				TITLE 2.00mm Pitch WTB Conn.Terminal					
2020/10/07	A1	/	Add plating code"Y2" and plating process	Xiaohu Jiang	Harvey Yan	APPROVAL	CHECK	DRAWN	DATE	UNIT SCALE SHEET REV NUMBER					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT	Jason Huang	Harvey Yan	Xiaohu Jiang	2020/08/20	mm	6:1	1/1	A3	A-000

RoHS

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

Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Suitable HRS Terminal: HRS-2021T
- Suitable HRS Housing: HRS-2021H
- Suitable HRS Header: HRS-2008W
- "★" Critical dimension

HRS- C2021 - XX - PT NC

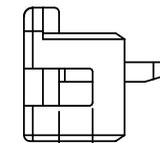
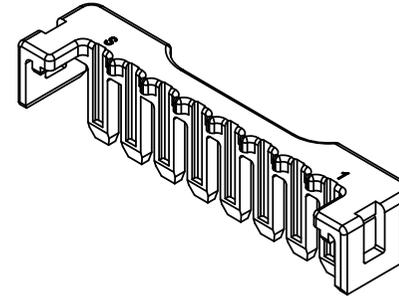
① ② ③ ④

① Series No.

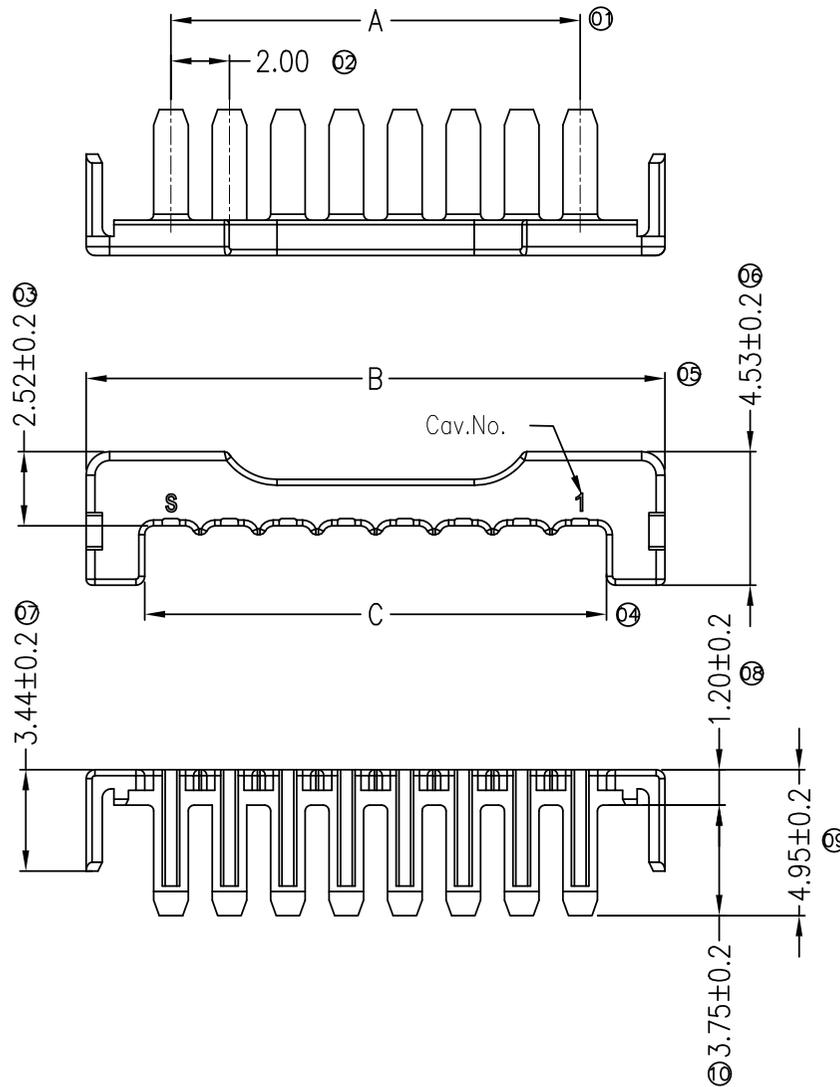
② Row No.-Pin No: XX-02~15Pin

③ Plastic material: PT- PBT+GF UL 94-V0

④ Color: NC-Natural Color



1.150 ① ★



Poles	Dimensions (mm)			Poles	Dimensions (mm)		
	A	B	C		A	B	C
02	2.00	7.80	3.80	09	16.00	21.80	17.80
03	4.00	9.80	5.80	10	18.00	23.80	19.80
04	6.00	11.80	7.80	11	20.00	25.80	21.80
05	8.00	13.80	9.80	12	22.00	27.80	23.80
06	10.00	15.80	11.80	13	24.00	29.80	25.80
07	12.00	17.80	13.80	14	26.00	31.80	27.80
08	14.00	19.80	15.80	15	28.00	33.80	29.80

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
						① ②	Jason Huang	Larry Yang	Xiaohu Jiang	2019/11/09	mm	4:1	1/1	A1	A-000

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX±0.10

X.' ±2'

PROJECT



Horus Int. Electronics Co., LTD.

Horustech Electronics Co., LTD.

PART NO.

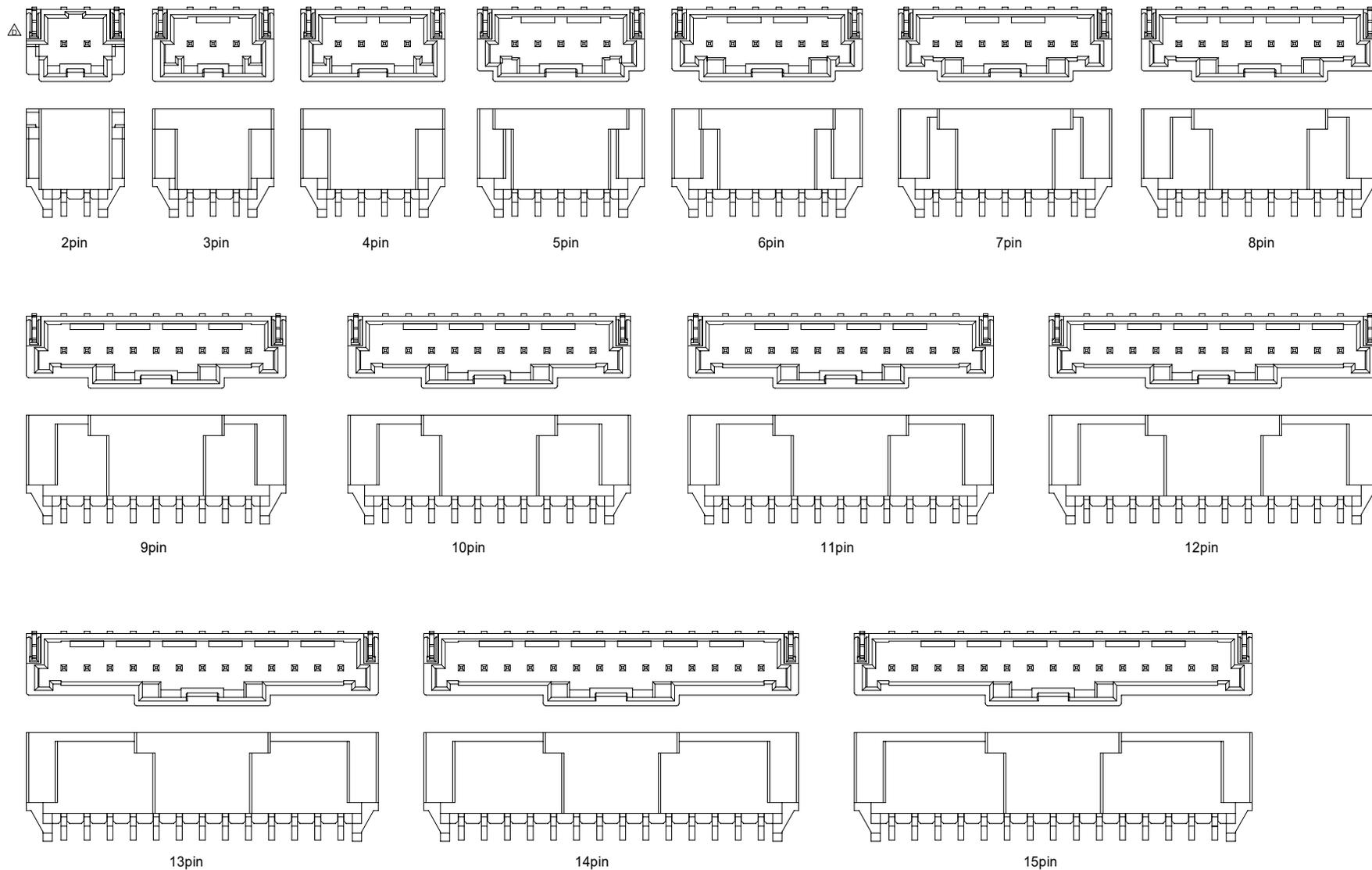
HRS - C2021-XX-PTNC

TITLE

2.00mm Pitch WTB Conn. TPA

RoHS

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

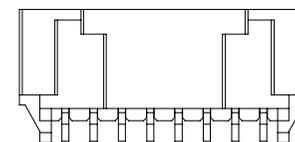
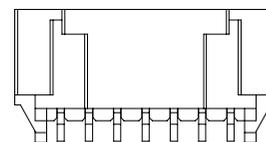
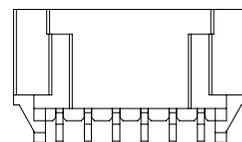
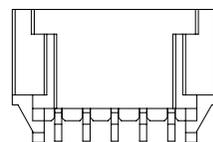
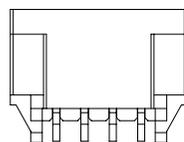
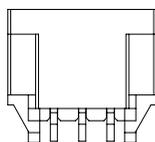
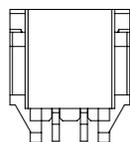
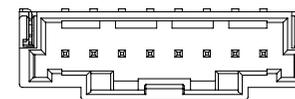
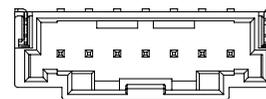
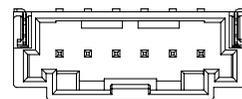
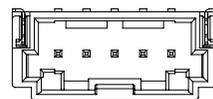
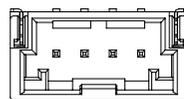
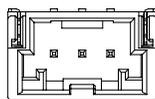
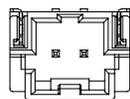


						GENERAL TOLERANCE		 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.				PART NO. HRS-2008WRS-1xXX-XXXB05RRXXO														
2022/10/06	E1	/		Added contact area gold plated G/F specification	Xue	Larry	.X ±0.30					<table border="1"> <tr> <td>APPROVAL</td> <td>CHECK</td> <td>DRAWN</td> <td>DATE</td> </tr> <tr> <td>Robing</td> <td>Joshua</td> <td>Alan qin</td> <td>2018/10/16</td> </tr> </table>				APPROVAL	CHECK	DRAWN	DATE	Robing	Joshua	Alan qin	2018/10/16	TITLE Pitch 2.00 mm 90° SMT Wafer Connectors		
APPROVAL	CHECK	DRAWN	DATE																							
Robing	Joshua	Alan qin	2018/10/16																							
2021/12/16	E	EN20211216001	Modify the first pin label		Xue	Larry	.XX ±0.20	<table border="1"> <tr> <td>UNIT</td> <td>SCALE</td> <td>SHEET</td> <td>REV</td> <td>NUMBER</td> </tr> <tr> <td>mm</td> <td>1:1</td> <td>2/2</td> <td>E1</td> <td>CD</td> </tr> </table>				UNIT	SCALE	SHEET	REV	NUMBER	mm	1:1	2/2	E1	CD					
UNIT	SCALE	SHEET	REV	NUMBER																						
mm	1:1	2/2	E1	CD																						
DATE	REV	ECN NO.	DESCRIPTION		MODIFY	APPROVAL	.XXX±0.10																			
							X.' ±2'																			

1 2 3 4 5 6 7 8

RoHS

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2pin

3pin

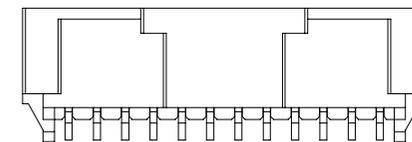
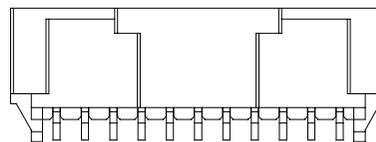
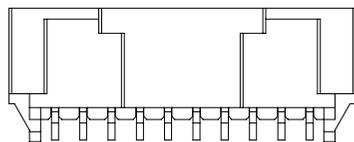
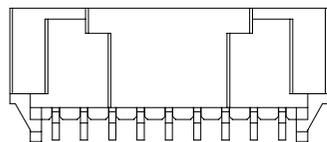
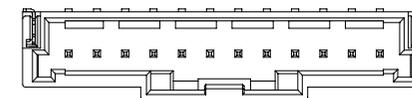
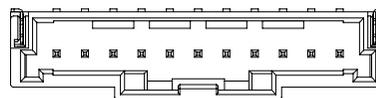
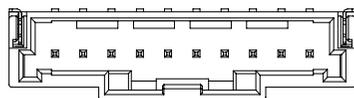
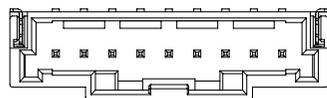
4pin

5pin

6pin

7pin

8pin

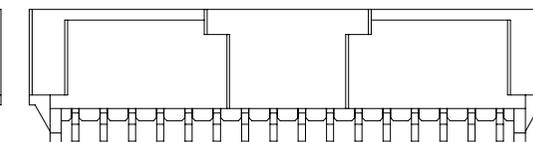
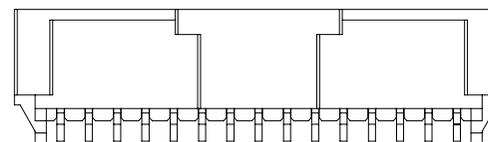
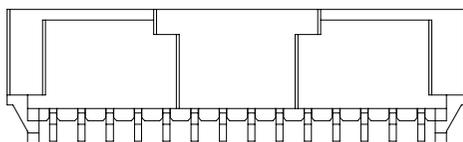
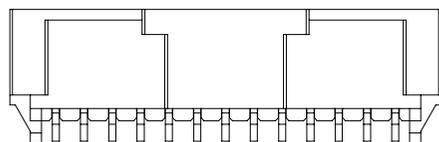
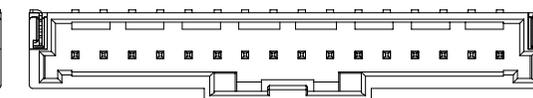
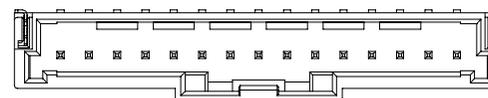
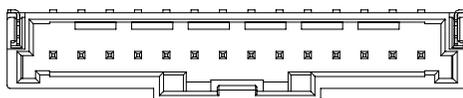
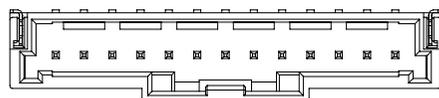


9pin

10pin

11pin

12pin



13pin

14pin

15pin

16pin

						 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.				PART NO. HRS-2008WRS-XX-XXXXXXXXX						
2023.12.16		A2	/	Added 16Pin		Joestar Zhou	Larry Yang	APPROVAL		CHECK	DRAWN	DATE	TITLE Pitch 2.00 mm 90° SMT Wafer Connectors			
2023.11.30		A1	EN20231130003	Changed the dimensions of the layout positioning pad		Jason Zhou	Larry Yang	Jack Zhang	Larry Yang	Xue	2022.10.14	UNIT: mm SCALE: 1:1 SHEET: 2/2 REV: A2 NUMBER: CD				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL											

GENERAL TOLERANCE	
.X	±0.30
.XX	±0.20
.XXX	±0.10
X.°	±2°
PROJECT	
	

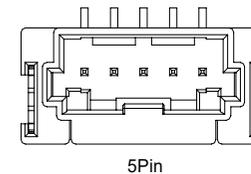
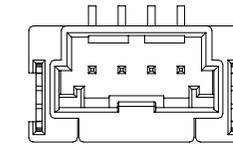
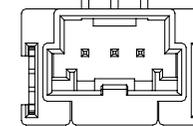
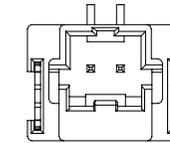
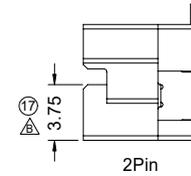
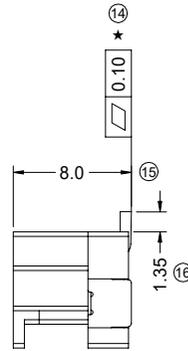
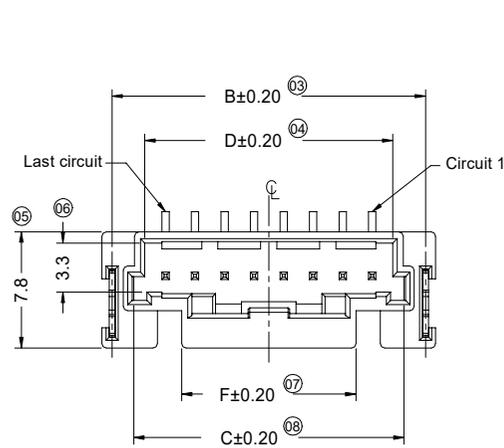
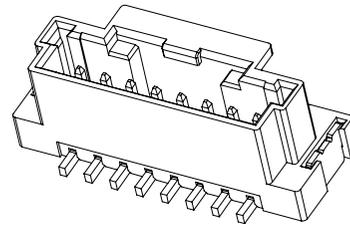
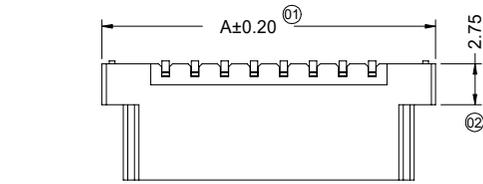
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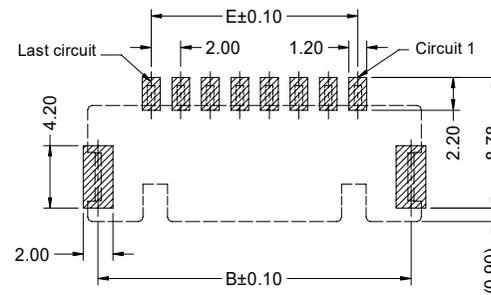
- Specifications :
- Voltage rating: 125V AC / DC
 - Current rating: 3A AC / DC
 - Withstanding voltage: 500V AC/minute
 - Temperature range: -40°C~+125°C
 - Insulation resistance: ≥1000MΩ
 - Contact resistance: ≤10mΩ
 - After environmental testing: ≤20mΩ
 - Material(Pin): Brass
 - Mates With HRS Housing: HRS-2008H
 - "★" Critical dimension

HRS-2008 W V S - 1 x XX - XX X B XX X R XXX Q
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- ① Series No.
- ② Category: W-wafer
- ③ Connector Type: V-Straight 180°
- ④ Mounting Type: S-SMT
- ⑤ Row No.-Pin No: 1xXX-Single Row 1xXXPin
- ⑥ Plastic material: 9T- PA9T 94V-0; LP- LCP 94V-0
- ⑦ Color: N-Natural; B-Black; R-Red; L-Blue
- ⑧ Metal material: B-Brass
- ⑨ Plating Code: 05-Matte Tin
30-Contact Area: Gold flash
Solder Area: Matte Tin
- ⑩ Packing: R-Reel, Without Mylar
- ⑪ RoHS/HF: R-RoHS H-Halogen-Free
- ⑫ Sequence Number: 002-Coldsealing ; 02C-Heatsealing
- ⑬ Special code :Q-Automotive Connectors



Poles	Dimensions (mm)					
	A	B	C	D	E	F
02	10.60	9.23	6.30	4.80	2.00	6.30
03	12.60	11.23	8.30	6.80	4.00	5.80
04	14.60	13.23	10.30	8.80	6.00	7.80
05	16.60	15.23	12.30	10.80	8.00	9.80
06	18.60	17.23	14.30	12.80	10.00	11.80
07	20.60	19.23	16.30	14.80	12.00	11.80
08	22.60	21.23	18.30	16.80	14.00	11.80
09	24.60	23.23	20.30	18.80	16.00	11.80
10	26.60	25.23	22.30	20.80	18.00	11.80
11	28.60	27.23	24.30	22.80	20.00	11.80
12	30.60	29.23	26.30	24.80	22.00	11.80
13	32.60	31.23	28.30	26.80	24.00	11.80
14	34.60	33.23	30.30	28.80	26.00	11.80
15	36.60	35.23	32.30	30.80	28.00	11.80



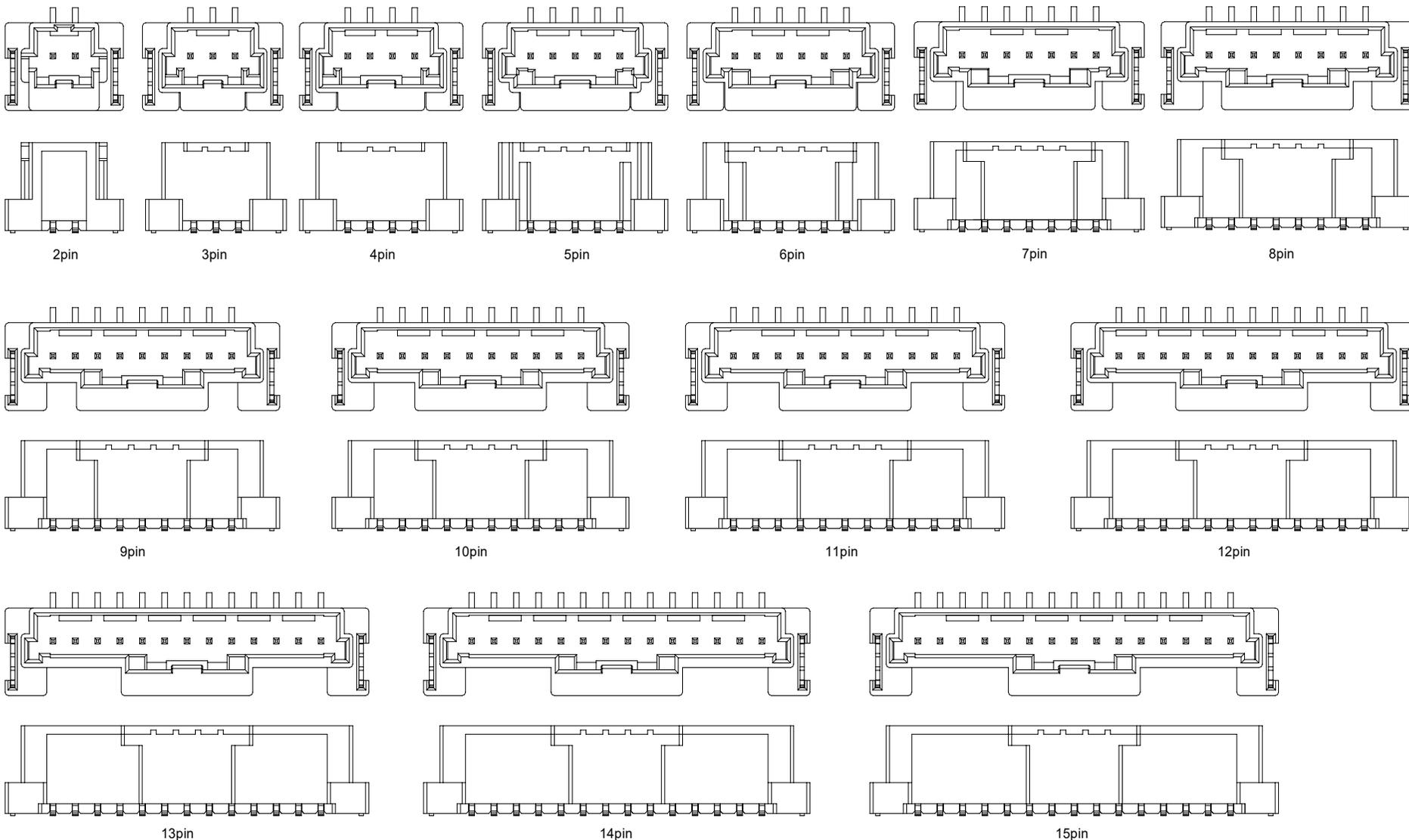
RECOMMENDED P.C.B LAYOUT (TOLERANCE:±0.05)

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT	APPROVAL	CHECK	DRAWN	DATE	PART NO.	TITLE
2021/12/16	D	EN20211216001	Modify the first pin label	Xue	Robing	GENERAL TOLERANCE	 Horustech Electronics Co., LTD.	APPROVAL	CHECK	DRAWN	DATE	HRS-2008WVVS-1xxx-xxxbxrrxxxQ Pitch 2.00 mm 180° SMT Wafer Connectors
2020/03/16	C	ER20190805001	Update Drawing Frame, The Same ECR And ECN No	Alan qin	Robing	.X ±0.30						
						.XX ±0.20						
						.XXX±0.10						
						X.' ±2'						
						PROJECT						
							Jack Zhang	Larry Yang	Alan qin	2019/01/16		

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/2	D	CD

RoHS

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

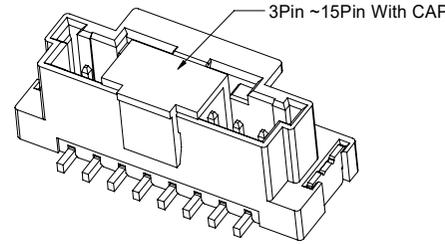
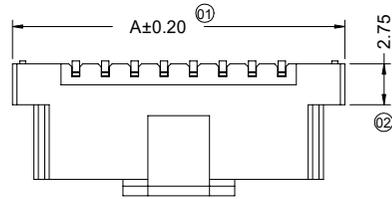


A	2021/12/16	D	EN20211216001	Modify the first pin label	Xue	Robing	 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.				PART NO. HRS-2008WVS-1xxx-xxxBxxRRxxxO				
	2020/03/16	C	ER20190805001	Update Drawing Frame, The Same ECR And ECN No	Alan qin	Robing					TITLE Pitch 2.00 mm 180° SMT Wafer Connectors				
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					APPROVAL	CHECK	DRAWN	DATE	UNIT
							Jack Zhang	Larry Yang	Alan qin	2019/01/16	mm	1:1	2/2	D	CD

GENERAL TOLERANCE	
.X	±0.30
.XX	±0.20
.XXX	±0.10
X.' ±2'	
PROJECT	

RoHS

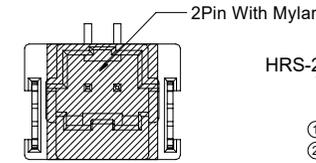
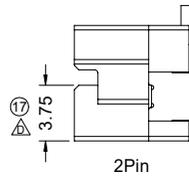
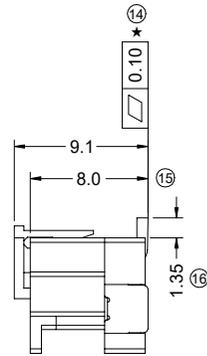
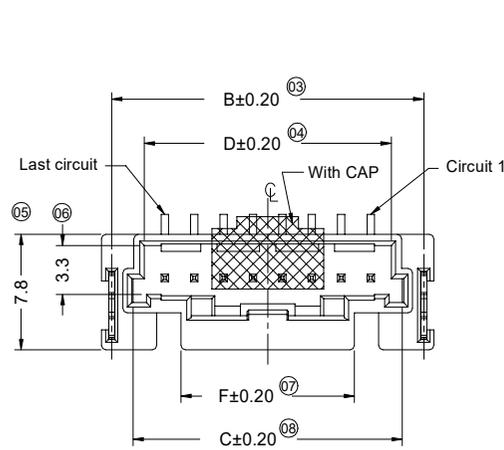
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



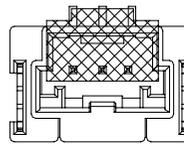
- Specifications :
- Voltage rating: 125V AC / DC
 - Current rating: 3A AC / DC
 - Withstanding voltage: 500V AC/minute
 - Temperature range: -40°C~+125°C
 - Insulation resistance: ≥1000MΩ
 - Contact resistance: ≤10mΩ
 - After environmental testing: ≤20mΩ
 - Material(Pin): Brass
 - Mates With HRS Housing: HRS-2008H
 - "*" Critical dimension

HRS-2008 W V S - 1 x XX - XX X B 05 X R XXX Q

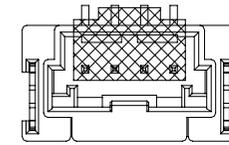
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬



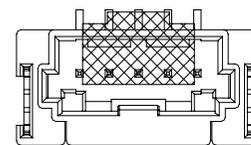
2Pin



3Pin



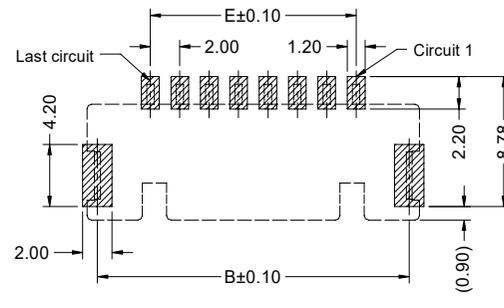
4Pin



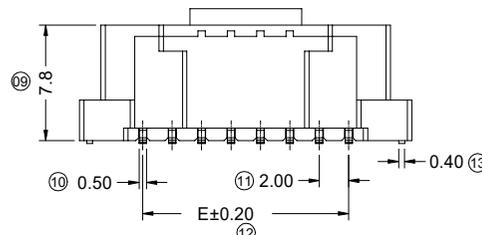
5Pin

- 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: 1xXX-Single Row 1xXXPin
- ⑥ Plastic material: 9T- PA9T 94V-0; LP- LCP 94V-0
- ⑦ Color: N-Natural; B-Black; R-Red; L-Blue
- ⑧ Metal material: B-Brass
- ⑨ Plating Code: 05-Matte Tin
- ⑩ Packing: W-Reel ,With Mylar
C-Reel , With CAP
- ⑪ RoHS/HF: R-RoHS H-Halogen-Free
- ⑫ Sequence Number: 002-Coldsealing ; 02C-Heatsealing
- ⑬ Special code :Q-Automotive Connectors

Poles	Dimensions (mm)					
	A	B	C	D	E	F
02	10.60	9.23	6.30	4.80	2.00	6.30
03	12.60	11.23	8.30	6.80	4.00	5.80
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05	16.60	15.23	12.30	10.80	8.00	9.80
06	18.60	17.23	14.30	12.80	10.00	11.80
07	20.60	19.23	16.30	14.80	12.00	11.80
08	22.60	21.23	18.30	16.80	14.00	11.80
09	24.60	23.23	20.30	18.80	16.00	11.80
10	26.60	25.23	22.30	20.80	18.00	11.80
11	28.60	27.23	24.30	22.80	20.00	11.80
12	30.60	29.23	26.30	24.80	22.00	11.80
13	32.60	31.23	28.30	26.80	24.00	11.80
14	34.60	33.23	30.30	28.80	26.00	11.80
15	36.60	35.23	32.30	30.80	28.00	11.80



RECOMMENDED P.C.B LAYOUT (TOLERANCE:±0.05)



DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE	APPROVAL				DATE
2021/12/16	F	EN20211216001	Modify the first pin label	Xue	Robing	.X ±0.30	 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.	APPROVAL	CHECK	DRAWN	DATE
2020/03/16	E	ER20190805001	Update Drawing Frame, The Same ECR And ECN No	Alan qin	Robing	.XX ±0.20					
						.XXX±0.10					
						X.* ±2*					
						PROJECT	Robing	Joshua	Alan qin	2019/01/16	

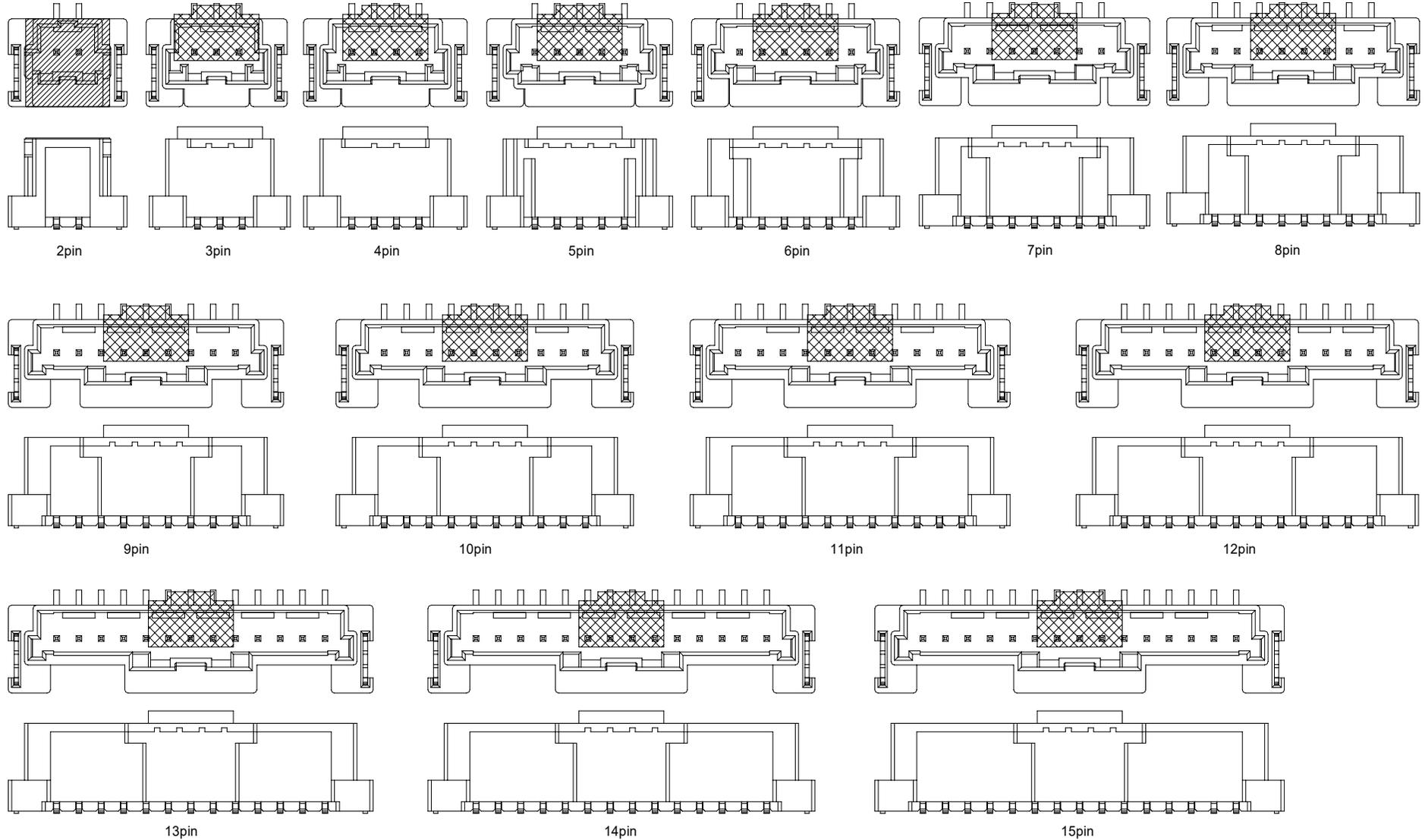
PART NO. HRS-2008WVS-1xxx-XXXB05XX0XXQ

TITLE Pitch 2.00 mm 180° SMT Wafer Connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/2	F	A-000

RoHS

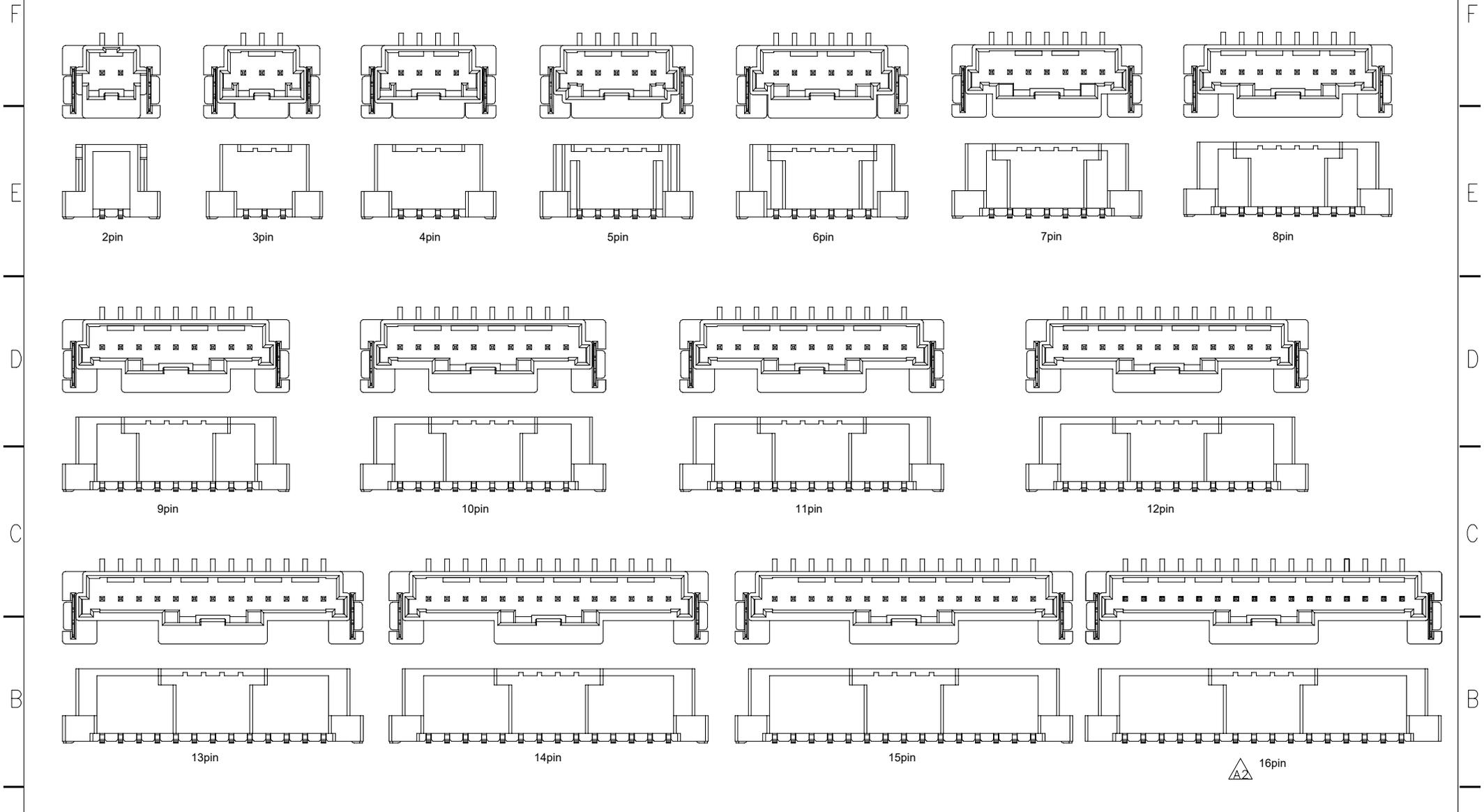
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



					GENERAL TOLERANCE .X ±0.30 .XX ±0.20 .XXX±0.10 X.' ±2" PROJECT				Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.				PART NO. HRS-2008WVS-1xxx-xxxB05XX0XXQ																							
					APPROVAL Robing				CHECK Joshua				DRAWN Alan qin				DATE 2019/01/16				TITLE Pitch 2.00 mm 180° SMT Wafer Connectors															
					MODIFY Alan qin				APPROVAL Robing				UNIT mm				SCALE 1:1				SHEET 2/2				REV F				NUMBER A-000							
					Xue Robing				Alan qin Robing				EN20211216001 Modify the first pin label				EN20190805001 Update Drawing Frame, The Same ECR And ECN No				DATE 2021/12/16				REV F				ECN NO.				DESCRIPTION			

RoHS

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



					<p>GENERAL TOLERANCE</p> <p>.X ±0.30</p> <p>.XX ±0.20</p> <p>.XXX±0.10</p> <p>X.' ±2'</p> <p>PROJECT</p>				<p>Horus Int. Electronics. Co., LTD.</p> <p>Horustech Electronics. Co., LTD.</p>				<p>PART NO.</p> <p>HRS-2008WVS-XX-XXXXXX</p>																								
					<p>APPROVAL</p> <p>Jack Zhang</p>				<p>CHECK</p> <p>Larry Yang</p>				<p>DRAWN</p> <p>Xue</p>				<p>DATE</p> <p>2022/10/11</p>				<p>TITLE</p> <p>Pitch 2.00 mm 180° SMT Wafer Connectors</p>																
					<p>MODIFY</p>				<p>APPROVAL</p>				<p>UNIT</p> <p>mm</p>					<p>SCALE</p> <p>1:1</p>					<p>SHEET</p> <p>2/2</p>					<p>REV</p> <p>A2</p>					<p>NUMBER</p> <p>CD</p>				
					<p>DATE</p>				<p>REV</p>				<p>ECN NO.</p>					<p>DESCRIPTION</p>					<p>MODIFY</p>					<p>APPROVAL</p>									
<p>2023/12/16</p>					<p>A2</p>					<p>/</p>					<p>Added 16Pin</p>					<p>Joestar Zhou</p>					<p>Larry Yang</p>												
<p>2023/11/30</p>					<p>A1</p>					<p>EN20231130003</p>					<p>Changed the dimensions of the layout positioning pad</p>					<p>Jason Zhou</p>					<p>Larry Yang</p>												

1 2 3 4 5 6 7 8