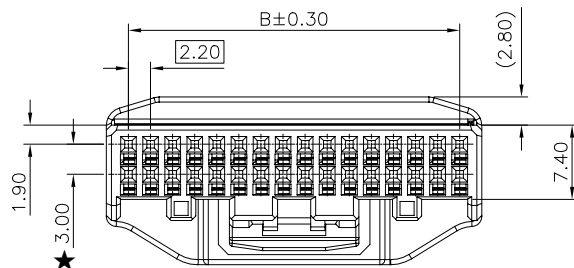
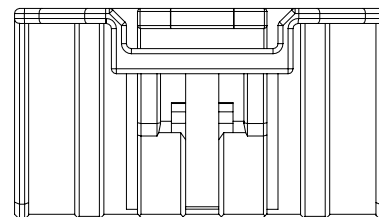
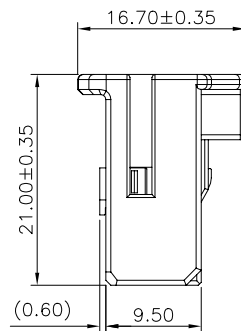
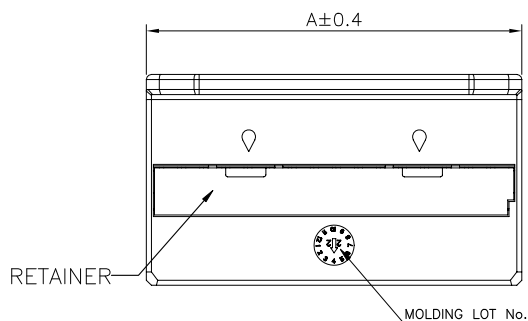
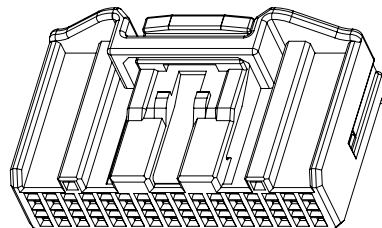
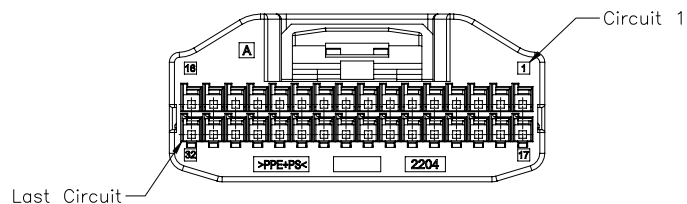


RoHS

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



Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max. AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤20mΩ
- Material(Retainer): PPE+PS UL94V-0
- Mates With HRS Terminal: HRS-2204TXF
- Symbols "★" For SPC Dimensions
- Product Specification: PS-HRS-2204-01
- Packaging: See Drawing:
PK-HRS-2204AM-2*XX-ESXX

HRS-2204 A M - 2*XX - ES XX

① ② ③ ④ ⑤ ⑥

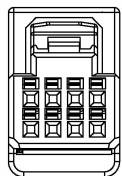
- ① Series No.
- ② Category: A-TPA Pre-Assembly Housing
- ③ Connector Type: M-Male Housing
- ④ Row No.-Pin No: 2xXX-Double Row
- ⑤ Material: ES-PPE+PS UL94V-0
- ⑥ Color: WH-White

Poles	A	B
2*04	11.00	6.60
2*06	15.40	11.00
2*08	19.80	15.40
2*12	28.60	24.20
2*14	33.00	28.60
2*16	37.40	33.00
2*20	46.20	41.80

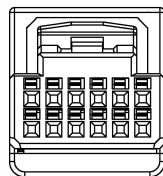
						GENERAL TOLERANCE				Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2204AM-2*XX-ESXX				
						.X	±0.35	.XX	±0.25									
						.XXX	±0.15	X."	±2"					TITLE 2.20mm Pitch Male Housing				
						PROJECT												
20221026	X0	/	Initial release	/	Larry Yang					APPROVAL	CHECK	DRAWN	DATE					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL									UNIT	SCALE	SHEET	REV	NUMBER
														mm	1:1	1/2	X0	CD

RoHS

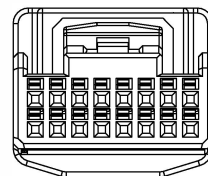
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



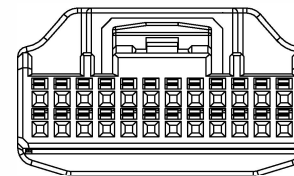
2*04PIN



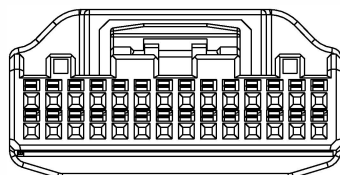
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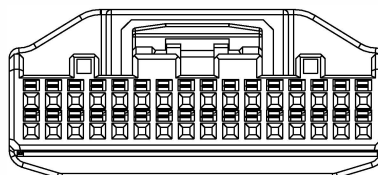
2*08PIN



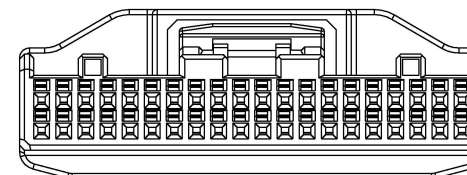
2*12PIN



2*14PIN



2*16PIN

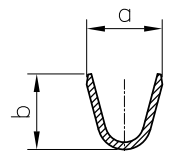
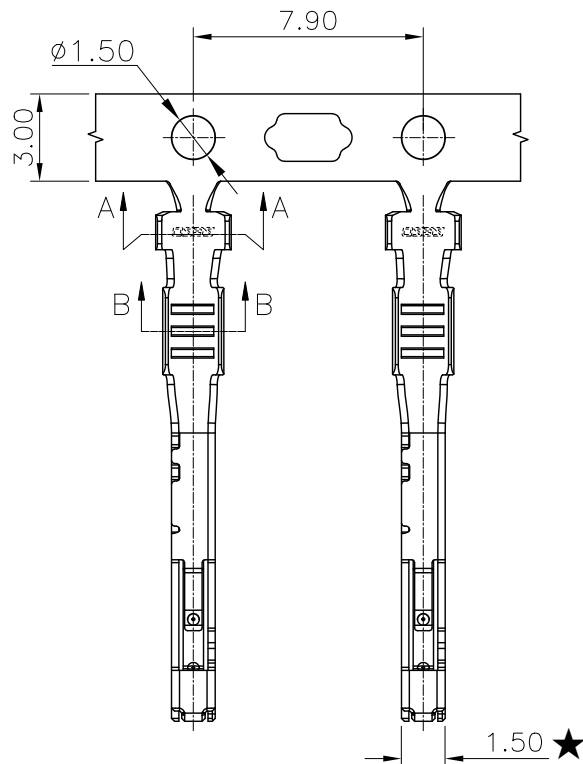


2*20PIN

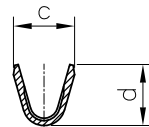
						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.				PART NO. HRS-2204AM-2*XX-ESXX							
						.X ±0.35					TITLE 2.20mm Pitch Male Housing							
						.XX ±0.25												
						.XXX±0.15					APPROVAL				CHECK	DRAWN	DATE	UNIT
20221026	X0	/	Initial release	/	Larry Yang	X: ±2'	Jack Zhang				Larry Yang	Zhonghua Liu	2022/10/26	mm	1:1	2/2	X0	CD
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 												

RoHS

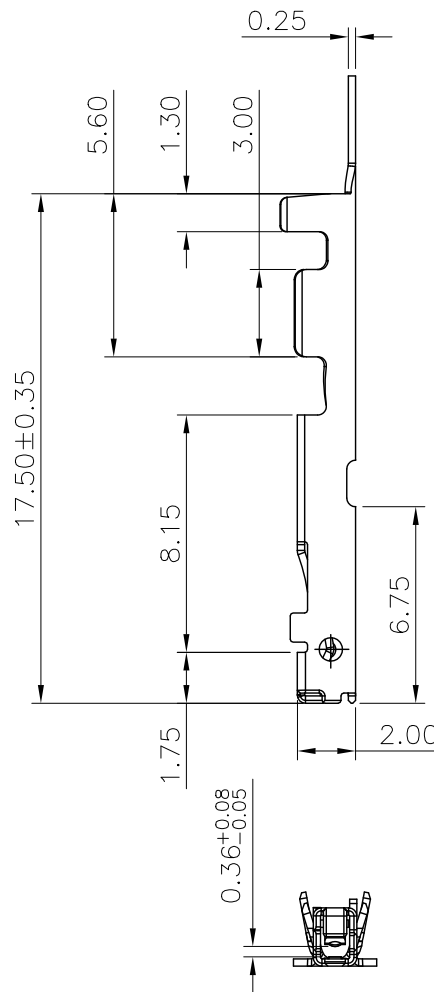
This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules



Section A-A
Scale 1:1



Section B-B
Scale 1:1



Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max. AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 100M\Omega$
- Contact resistance: $\leq 20m\Omega$
- Symbols "★" For SPC Dimensions
- Mates With HRS Housing:HRS-2204AM

HRS-2204 I X F- H Y2 B
① ② ③ ④ ⑤ ⑥ ⑦

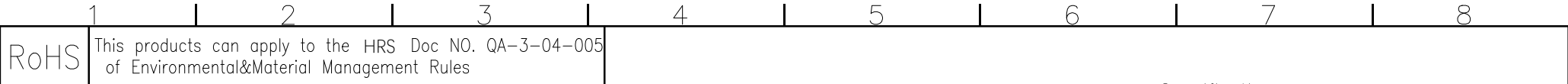
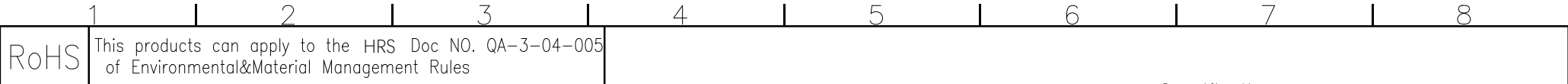
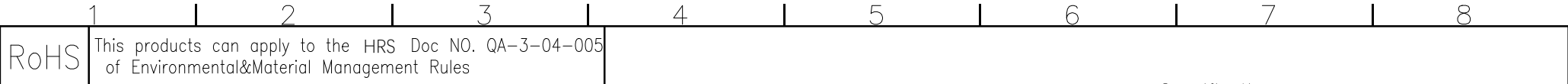
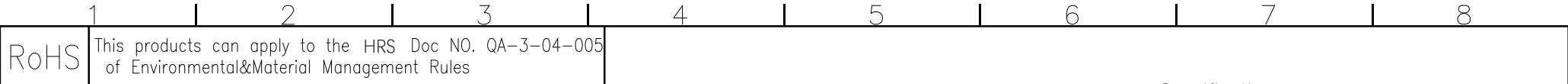
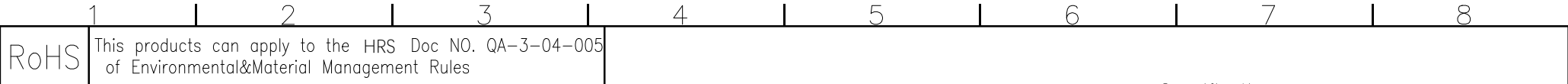
- ① Series No.
- ② Category:T-Terminal
- ③ Appearance type:
Blank-Ordinary; L-Low feet
- ④ F-Female Terminal
- ⑤ Material: H-Copper Alloy
- ⑥ Y2-Sn 40~120u" (1~3um)
- ⑦ B-Stamping After Plating

HRS-2204TF-HY2B	Copper Alloy	AWG#20 (0.5mm ²)	1.60~1.80mm	2.70	2.70	2.50	2.45
HRS-2204TLF-HY2B		AWG#24~22 (0.22~0.35mm ²)	1.20~1.60mm	2.60	2.60	2.10	2.10
P/N	Material	Wire Size	Insulation O.D	DIM a	DIM b	DIM c	DIM d

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2204TXF-HY2B				
						.X ±0.35					TITLE 2.20mm Pitch Female Terminal				
						.XX ±0.25									
20221126	X0	/	Initial release	/	Larry Yang	.XXX±0.15	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	X.* ±2"					mm	1:1	1/1	X0	CD
PROJECT											Jason Huang Yangmeng Joshua Liu 2022/11/26				

	1	2	3	4	5	6	7	8
RoHS	This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules							

	1	2	3	4	5	6	7	8
RoHS	This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules							



	1	2	3	4	5	6	7	8
RoHS	This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules							

	1	2	3	4	5	6	7	8
RoHS	This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules							

- | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RoHS | This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules | | | | | | | |

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

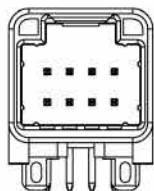
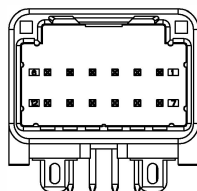
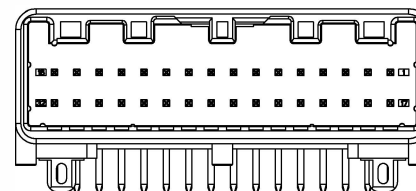
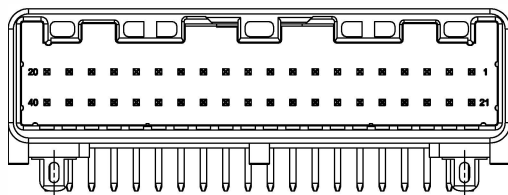
- | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| RoHS | This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules | | | | | | | |

	1	2	3	4	5	6	7	8
RoHS	This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules							

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RoHS

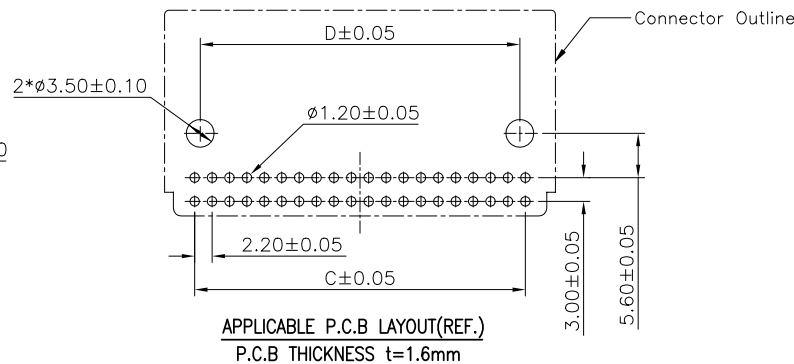
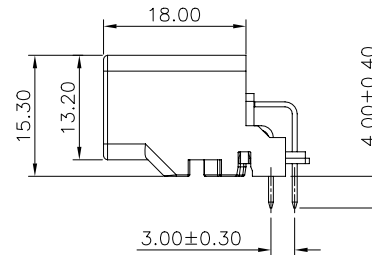
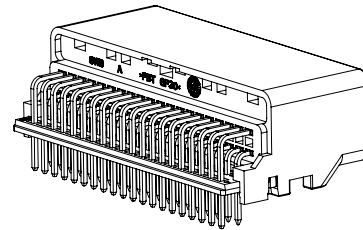
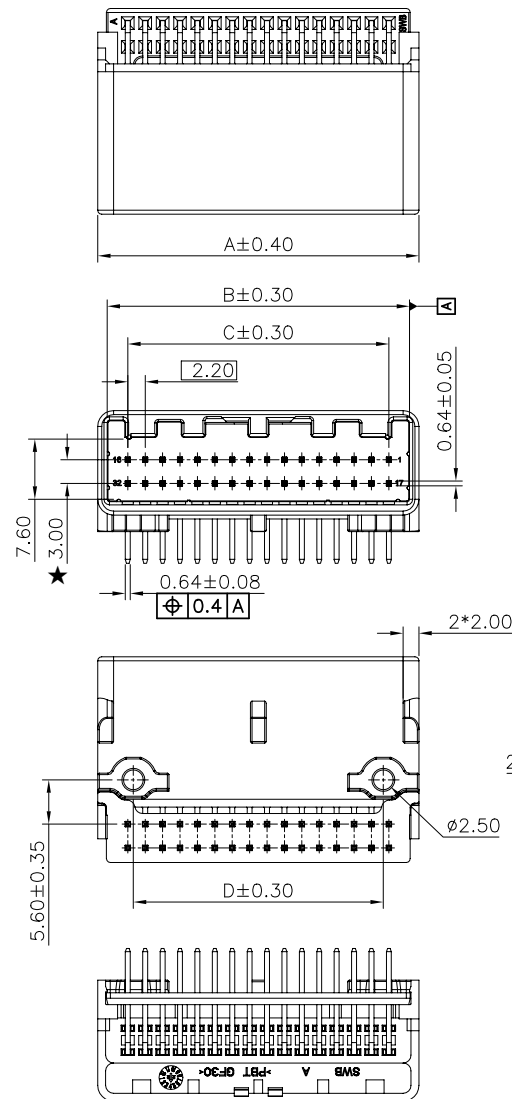
This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules

2*04PIN2*06PIN2*16PIN2*20PIN

20230407	X2	/	Add 2*04P Drawing	Joshua	Yangmeng	GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2204WR-2*XXHF-10TSRX1				
20221130	X1	/	Modity Drawing	Joshua	Yangmeng	.X ±0.35					TITLE 2.20mm Pitch WAFER				
20220723	X0	/	Initial release	/	Zou Hong	.XX ±0.25					ASSY Right Angle 90° DIP				
						.XXX±0.15									
						X.' ±2'	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jason Huang	Zouhong	Joshua Liu	2021/07/23	mm	1:1	2/2	X2	CD

RoHS

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

**Specifications :**

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max. AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Insulation resistance: $\geq 100\text{M}\Omega$
- Contact resistance: $\leq 20\text{m}\Omega$
- Material(Pin): Brass
- Mates With HRS Housing: HRS-2204AM
- Symbols: ★ For SPC Dimensions
- Product Specification: PS-HRS-2204-01
- Packaging: See Drawing:
PK-HRS-2204WR-2*XXS-PTSRXT

HRS-2204 W R - 2*XX S - PT SR X I
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: Right Angle 90°
- ④ Row No.-Pin No: 2xXX-Double Row 2xXXPin
- ⑤ Special No.: S-Screw Type
- ⑥ Plastic material: PT-PBT+GF30%
- ⑦ Plating Code:
SR-Underplate: Ni $32\mu \sim 200\mu$ ($0.8\mu \sim 5.0\mu$) overall
Top Plating: Sn $24\mu \sim 150\mu$ ($0.6\mu \sim 3.75\mu$) overall
- ⑧ Color: N-Natural, B-Black
- ⑨ Packing: T-Tray

Poles	A	B	C	D
2*04	14.20	11.85	6.60	5.20
2*06	18.60	16.25	11.00	9.60
2*08	23.00	20.65	15.40	14.00
2*12	31.80	29.45	24.20	22.80
2*14	36.20	33.85	28.60	27.20
2*16	40.60	38.25	33.00	31.60
2*20	49.40	47.05	41.80	40.40

20230217	X1	/	Modity Cutting Hole	Joshua Liu	Yangmeng
20221126	X0	/	Initial release	/	Zou Hong
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE

.X ± 0.35
.XX ± 0.25
.XXX ± 0.15
X.' $\pm 2^{\circ}$

PROJECT



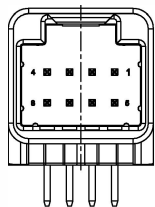
Horus Int. Electronics Co., LTD.
Horustech Electronics Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Yangmeng	Joshua Liu	2022/11/26

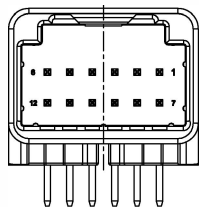
PART NO. HRS-2204WR-2*XXS-PTSRXT				
TITLE 2.20mm Pitch WAFER ASSY Right Angle 90° DIP				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/2	X1	CD

RoHS

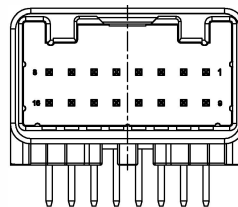
This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules



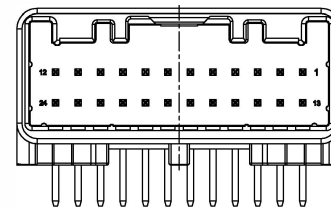
2*4PIN



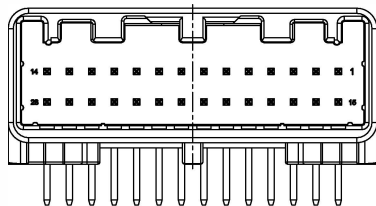
2*6PIN



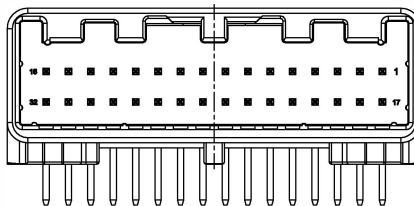
2*8PIN



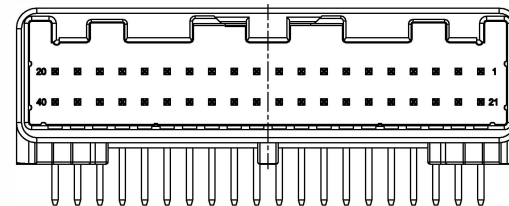
2*12PIN



2*14PIN



2*16PIN

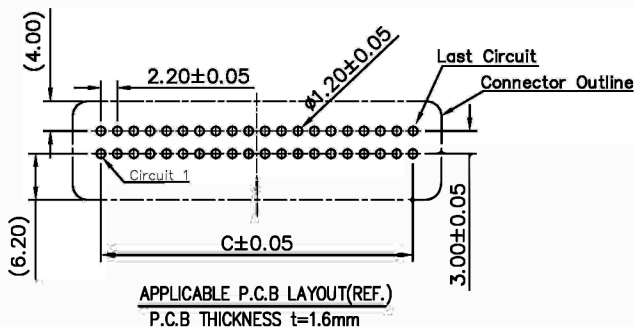
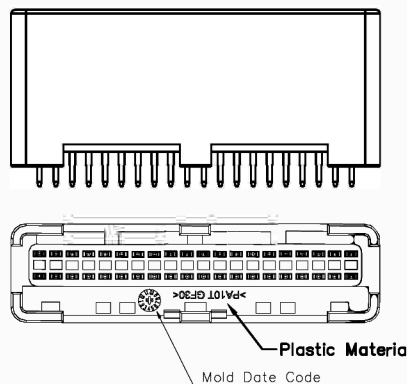
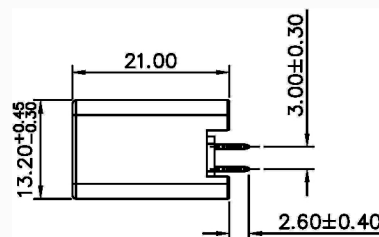
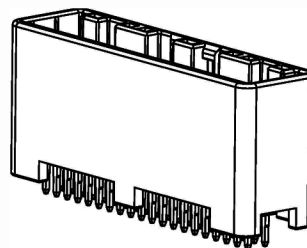
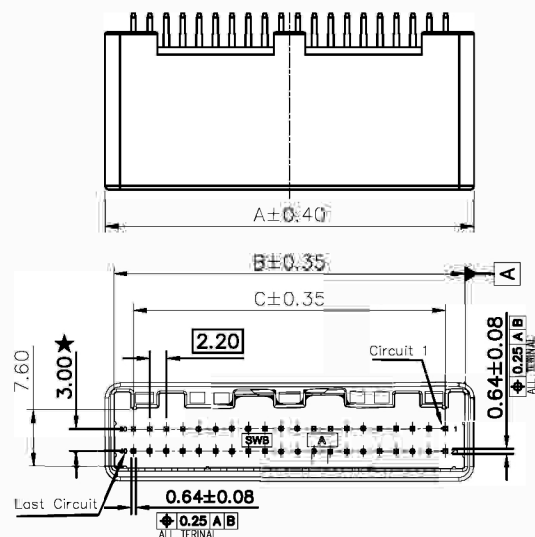


2*20PIN

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2204WR-2*XXS-PTSRXT				
20230217	X1	/	Modity Cutting Hole	Joshua Liu	Yangmeng	.X ±0.35					TITLE 2.20mm Pitch WAFER ASSY Right Angle 90° DIP				
						.XX ±0.25									
						.XXX±0.15									
20221126	X0	/	Initial release	/	Zou Hong	X: ±2'	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jason Huang	Yangmeng	Joshua Liu	2022/11/26	mm	1:1	2/2	X1	CD

RoHS

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

**Specifications :**

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max. AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 100M\Omega$
- Contact resistance: $\leq 20m\Omega$
- Material(Pin): Brass
- Mates With HRS Housing: HRS-2204AM
- Symbols "★" For SPC Dimensions
- Product Specification: PS- HRS-2204-01
- Packaging: See Drawing:
K-HRS-204WV-2*XXHF-10TSRXT

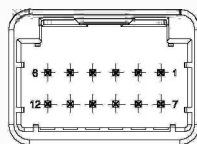
HRS-2204 WV - 2*XX HF - 10T SR X T
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: Straigh 180°
- ④ Row No.-Pin No: 2xXX-Double Row 2xXXPin
- ⑤ Special No.: HF-Halogen Free.
- ⑥ Plastic material: 10T- PA10T UL94V-0
- ⑦ Plating Code: SR-Tin Plating
Underplate: Ni 32u"~200u"(0.8um~5.0um) overall
Top Plating: Sn 24u"~150u"(0.6um~3.75um) overall
- ⑧ Color: N-Natural , B-Black
- ⑨ Packing: T-Tray

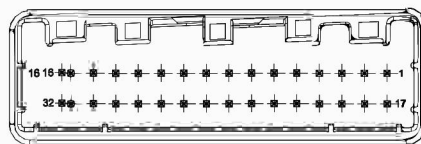
Poles	A	B	C
2*06	18.60	16.25	11.00
2*16	40.60	38.25	33.00
2*20	49.40	47.05	41.80

A							GENERAL TOLERANCE				 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.				PART NO.				
							.X ±0.35								HRS-2204WV-2*XXHF-10TSRXT				
							.XX ±0.25								TITLE: 2.20mm Pitch WAFER				
	20230711	X1	/	Add circuit description	Zhihao Chen	Joshua Liu	.XXX±0.15				ASSY V/T 180° DIP								
	20221023	XC	/	Initial release	/	Larry Yang	X* ±2*				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 				Jason Huang	Larry Yang	Joshua Liu	2022/10/23	mm	1:1	1/2	X1	CD
	1		2			3		4		5		6		7			8		

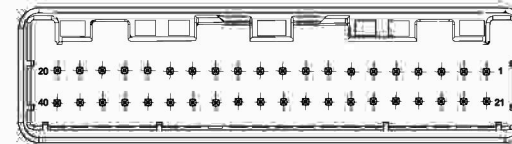
RoHS

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

2*6PIN



2*16PIN



2*20PIN

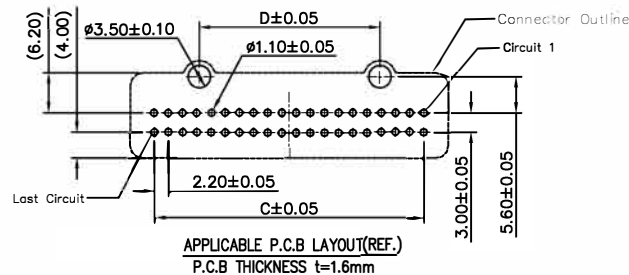
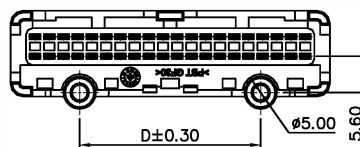
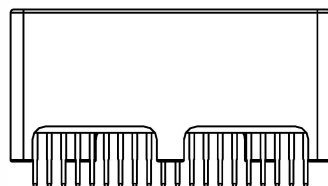
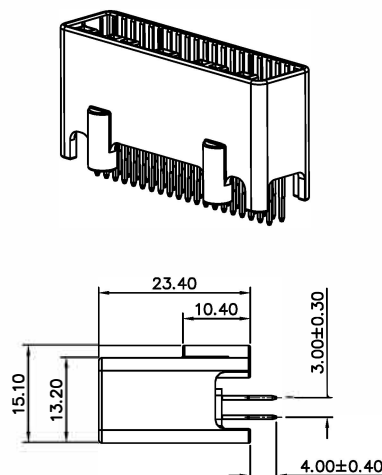
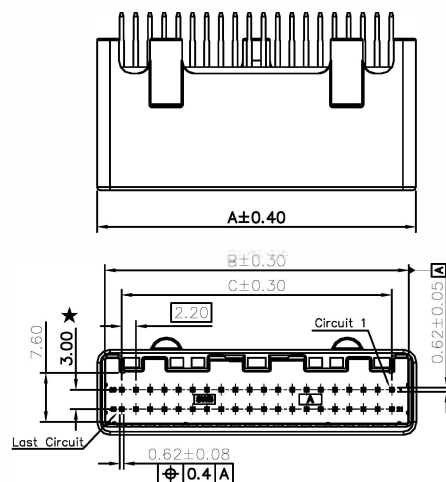
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE				APPROVAL	CHECK	DRAWN	DATE	PART NO.				
						.X ±0.35	.XX ±0.25	.XXX ±0.15	X' ±2"					UNIT	SCALE	SHEET	REV	NUMBER
20230711	X1		Add circuit description	Zhihao Chen	Joshua Liu									mm	1:1	2/2	X1	CD
20221023	X0		Initial release	/	Larry Yang													

Horus Int. Electronics Co., LTD.
Horus Int. Electronics Co., LTD.PART NO.
HRS-2204WV-2*XXHF-10TSRXTTITLE: 2.20mm Pitch WAFER
ASSY V/T 180° DIP

Jason Huang Larry Yang Joshua Liu 2022/10/23

RoHS

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

**Specifications :**

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max. AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C ~ +125°C
- Insulation resistance: >1 00MΩ
- Contact resistance: ≤20mΩ
- Material(Pin): Brass
- Mates With HRS Housing: HRS-2204AM
- Symbols" ★ "For SPC Dimensions
- Product Specification: PS-HRS-2204-01
- Packaging: See Drawing: PK-HRS-2204WV-2*XXS-PTSRXT

HRS-2204 W V - 2*XX S - PT SR X T
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
② Category: W-Wafer
③ Connector Type: Vertical 180°
④ Row No.-Pin No: 2xXX-Double Row 2xXXPin
⑤ Special No.: S-Screw Type
⑥ Plastic material: PT-PBT+GF30%
⑦ Plating Code:
SR-Underplate: Ni 32u"~200u" (0.8um~5.0um) overall
Top Plating: Sn 24u"~150u" (0.6um~3.75um) overall
⑧ Color: N-Natural, B-Black
⑨ Packing: T-Tray

Poles	A	B	C	D
2*06	18.60	16.25	11.00	13.60
2*08	23.00	20.65	15.40	18.00
2*12	31.80	29.45	24.20	26.80
2*14	36.20	33.85	28.60	31.20
2*20	49.40	47.05	41.80	28.00

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX ±0.15

X* ±2°

PROJECT

⊕ ⊖



Horus Int. Electronics Co., LTD.

Horustech Electronics Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Yangmeng

Joshua Liu

2022/11/26

PART NO.

HRS-2204WV-2*XXS-PTSRXT

TITLE

2.20mm Pitch WAFER

ASSY Vertical 180° DIP

UNIT

mm

SCALE

1:1

SHEET

1/2

REV

X0

NUMBER

CD

20221126

X0

/

Initial release

/

Yangmeng

DATE

REV

ECN NO.

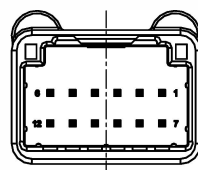
DESCRIPTION

MODIFY

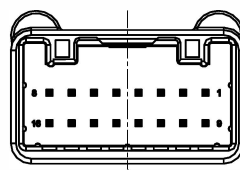
APPROVAL

RoHS

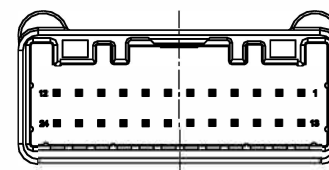
This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules



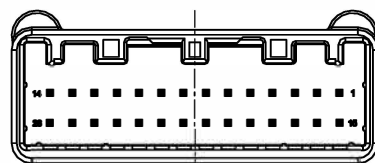
2*6PIN



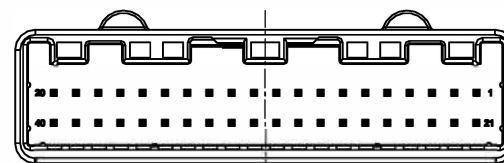
2*8PIN



2*12PIN



2*14PIN



2*20PIN

GENERAL TOLERANCE

.X ± 0.35 .XX ± 0.25 .XXX ± 0.15 X* $\pm 2^\circ$

PROJECT



Horus Int. Electronics Co., LTD.

Horus Int. Electronics Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Yangmeng

Joshua Liu

2022/11/26

PART NO.

HRS-2204WV-2*XXS-PTSRXT

TITLE

2.20mm Pitch WAFER
ASSY Vertical 180° DIPUNIT
mmSCALE
1:1SHEET
2/2REV
X0NUMBER
CD

20221126

X0

/

Initial release

/

Yangmeng

DATE

REV

ECN NO.

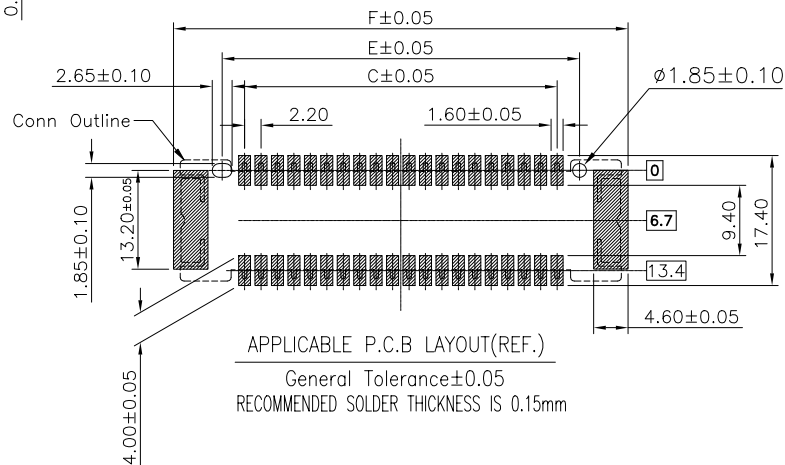
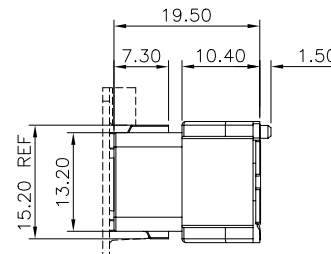
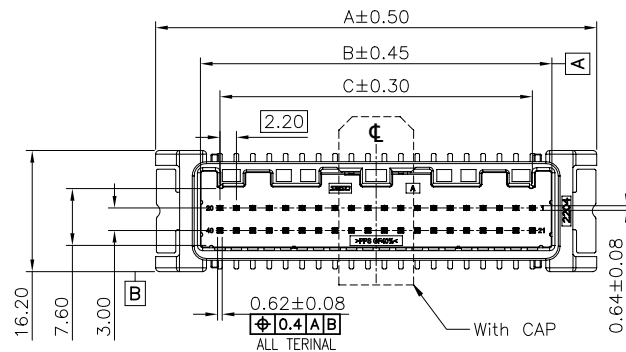
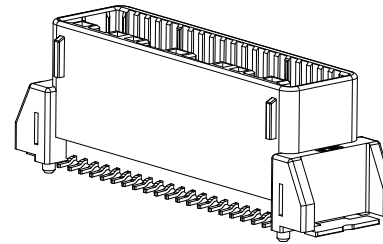
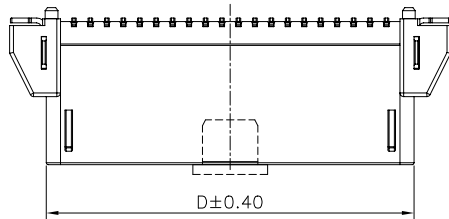
DESCRIPTION

MODIFY

APPROVAL

RoHS

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

**Specifications :**

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max. AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 100M\Omega$
- Contact resistance: $\leq 20m\Omega$
- Material(Pin): Brass
- Mates With HRS Housing:HRS-2204AM
- Symbols "★"For SPC Dimensions
- Product Specification: PS-HRS-2204-01
- Packaging: See Drawing:
PK-HRS-2204WVS-2*XXP-PPSRXT

HRS-2204 W V S - 2*XX P- PP SR X X
① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨⑩

- ① Series No.
② Category: Headerr
③ Connector Type: Vertical 180°
④ S-SMT TYPE
⑤ Row No.-Pin No: 2xXX-Double Row 2xXXPin
⑥ Special No.:P-With Post
⑦ Plastic material: PP-PPS UL94V-0
⑧ Plating Code: SR-Tin Plating
Underplate: Ni 32u"~200u"(0.8um~5.0um) Overall
Top Plating:Sn 24u"~150u"(0.6um~3.75um)Overall
⑨ Color: N-Natural , B-Black
⑩ Packing: T-Tray Without CAP , Y-Tray With CAP

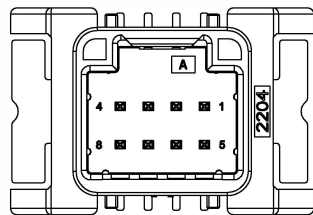
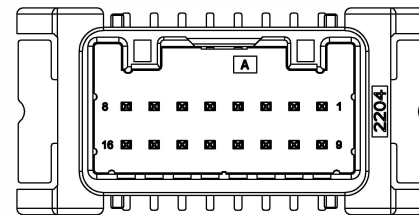
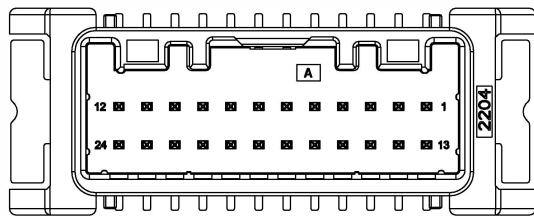
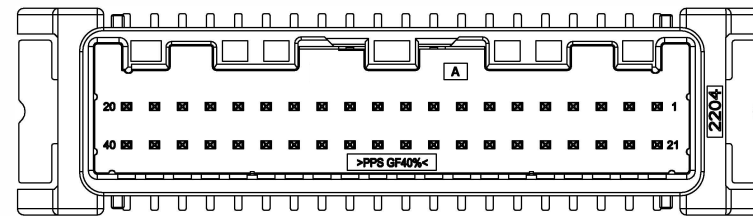
Poles	A	B	C	D	E	F
2*04	23.80	11.80	6.60	14.00	12.60	25.60
2*08	32.60	20.60	15.40	22.80	21.40	34.40
2*12	41.40	29.40	24.20	31.60	30.20	43.20
2*20	59.00	46.90	41.80	49.20	47.80	60.80

A

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2204WVS-2*XXP-PPSRXX					
						.X ±0.35					TITLE 2.20mm Pitch Header ASSY Vertical 180° SMT					
20230517	X1	/	Modity PCB LAYOUT	Joshua	Yangmeng	.XX ±0.25	APPROVAL <th>UNIT<th>SCALE<th>SHEET<th>REV<th>NUMBER</th></th></th></th></th>									UNIT <th>SCALE<th>SHEET<th>REV<th>NUMBER</th></th></th></th>
20221109	X0	/	Initial release	/	Yangmeng	.XXX±0.15						Jason Huang <td>mm</td> <td>1:1</td> <td>1/2</td> <td>X1</td> <td>CD</td>				
						X.* ±2"	PROJECT 									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL							Horustech Electronics. Co., LTD.				

RoHS

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

2*4PIN2*8PIN2*12PIN2*20PIN

A	20230517	X1	/	Modity PCB LAYOUT	Joshua	Yangmeng
	20221109	X0	/	Initial release	/	Yangmeng
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE

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

PROJECT



Horus Int. Electronics. Co., LTD.
Horus tech Electronics. Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Yang Meng

Joshua Liu

2022/11/09

PART NO.

HRS-2204WVS-2*XXP-PPSRXX

TITLE

2.20mm Pitch Header
ASSY Vertical 180° SMT

UNIT

mm

SCALE

1:1

SHEET

2/2

REV

X1

NUMBER

CD