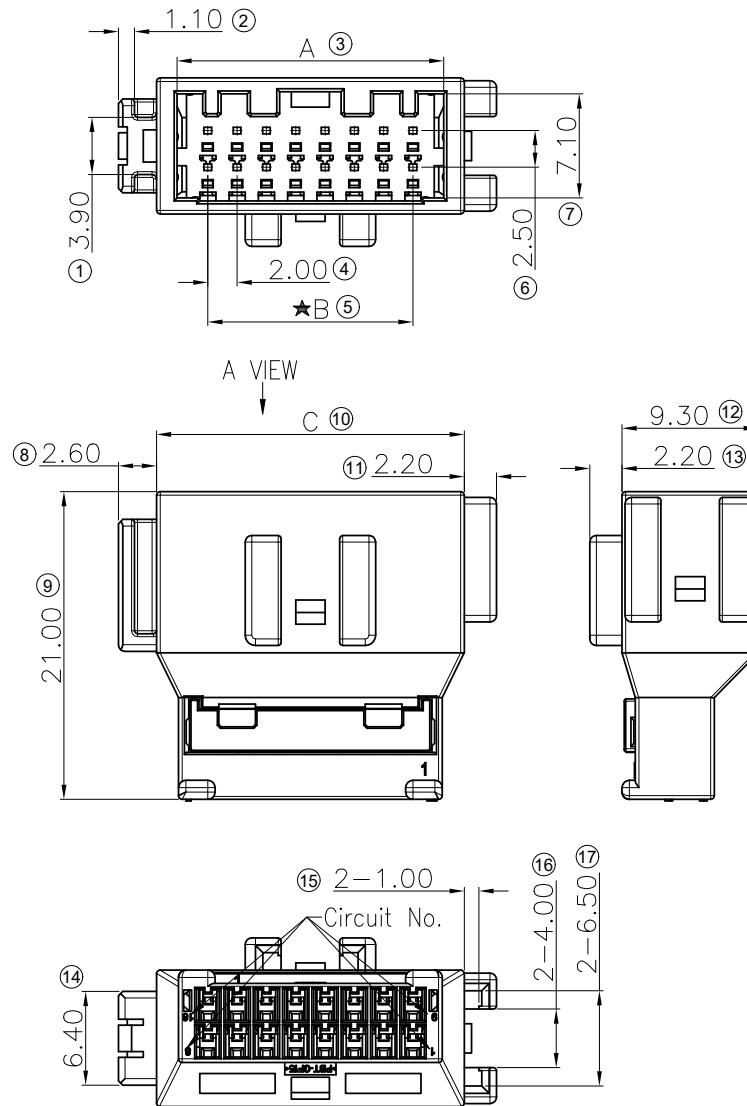
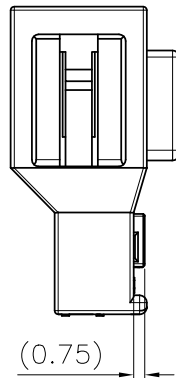


RoHS

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

RD-1

Pin数	尺寸/mm		
	A	B	C
2*02	6.20	2.00	9.00
2*03	8.20	4.00	11.00
2*04	10.20	6.00	13.00
2*05	12.20	8.00	15.00
2*06	14.20	10.00	17.00
2*07	16.20	12.00	19.00
2*08	18.20	14.00	21.00
2*09	20.20	16.00	23.00
2*10	22.20	18.00	25.00
2*11	24.20	20.00	27.00
2*12	26.20	22.00	29.00
2*13	28.20	24.00	31.00
2*14	30.20	26.00	33.00
2*15	32.20	28.00	35.00
2*16	34.20	30.00	37.00
2*17	36.20	32.00	39.00
2*18	38.20	34.00	41.00
2*19	40.20	36.00	43.00
2*20	42.20	38.00	45.00

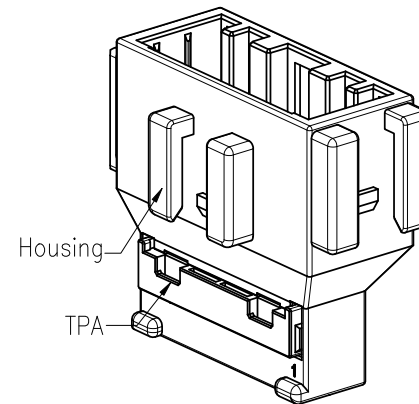


- Specifications :
- Voltage rating: 50V Max. AC/DC
 - Withstanding voltage: 1000V AC/minute
 - Temperature range: -40°C~+125°C
 - Insulation resistance: 100MΩ min./500V DC/Minute
 - Mates With HRS Terminal: HRS-2024TM-BSN1
 - Mates With HRS Housing: HRS-2024AM-2*XX
 - Symbols for SPC dimensions: "★"
 - Product Specification: PS-HRS-2024-01
 - Packaging Drawing: PK-HRS-2024AF-2*XXX-PTBK

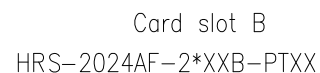
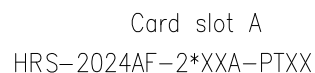
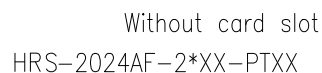
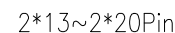
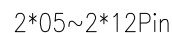
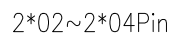
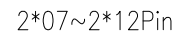
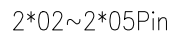
HRS-2024 A F - 2*XX X - PT BK

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.:HRS-2024
② Category: A-Housing Sub-Assembly
③ Connector Type: F-Female Housing
④ Row No.-Pin No: 2*XX-Double Row 2*02~2*12Pin
⑤ Special NO.: Blank-Without card slot
A-With a card slot A
B-With a card slot B
⑥ Plastic material: PT-PBT UL94V-0
⑦ Color: BK-Black GY-Gray



A						GENERAL TOLERANCE		Horus Int. Electronics. Co., LTD.				PART NO.				
						.X	±0.35	Horus Int. Electronics. Co., LTD.				HRS-2024AF-2*XXX-PTXX				
20221020	A0	/	Initial release	Yahui Zhang	Meng Yang	.XX	±0.25	APPROVAL	CHECK	DRAWN	DATE	TITLE				
						.XXX	±0.15					Female Housing Sub-Assy				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT	X.° ±2°	Jason Huang	Meng Yang	Yahui Zhang	2021/05/07	UNIT	SCALE	SHEET	REV	NUMBER
						⊕						mm	2:1	1/2	A0	A-000



						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2024AF-2*XXX-PTXX				
						.X ±0.35					TITLE Female Housing Sub-Assy				
						.XX ±0.25									
						.XXX ±0.15									
20221020	A0	/	Initial release	Yahui Zhang	Meng Yang	X° ±2°	APPROVAL	CHECK	DRAWN	DATE					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jason Huang	Meng Yang	Yahui Zhang	2021/05/07	UNIT	SCALE	SHEET	REV	NUMBER
											mm	2:1	2/2	A0	A-000

RoHS

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

RD-1

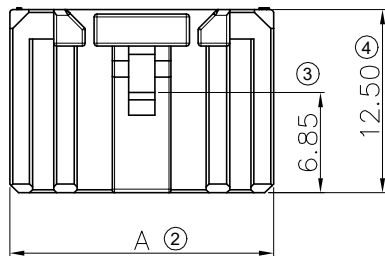
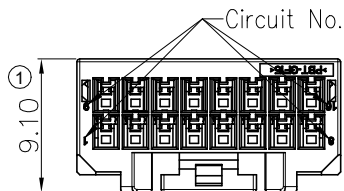
HRS-2024 A M- 2*XX - PT XX

① ② ③ ④ ⑤ ⑥

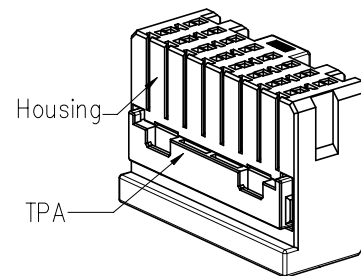
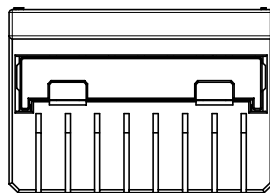
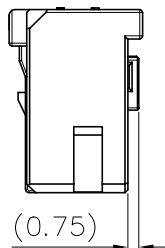
- ① Series No.: HRS-2024
② Category: A-Housing Sub-Assembly
③ Connector Type: M-Male Housing
④ Row No.-Pin No: 2*XX-Double Row 2*02~2*20Pin
⑤ Plastic material: PT-PBT UL94V-0
⑥ Color: BK-Black GY-Gray

■ Specifications :

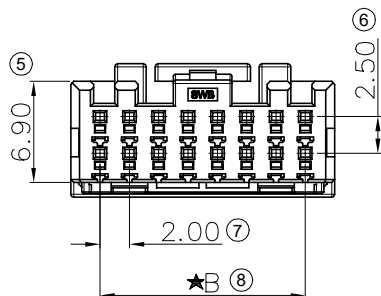
- Voltage rating: 50V Max. AC/DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ min./500V DC/Minute
- Mates With HRS Terminal: HRS-2024TF-HY2B
- Mates With HRS Wafer: HRS-2024WRS-2*XXX or HRS-2024WVS-2*XXX
- Mates With HRS Housing: HRS-2024AF-2*XXX
- Symbols for SPC dimensions: " ★ "
- Product Specification: PS-HRS-2024-01
- Packaging Drawing: PK-HRS-2024AM-2*XXX-PTBK



A VIEW



Poles	Dimensions/mm	
	A	B
2*02	6.00	2.00
2*03	8.00	4.00
2*04	10.00	6.00
2*05	12.00	8.00
2*06	14.00	10.00
2*07	16.00	12.00
2*08	18.00	14.00
2*09	20.00	16.00
2*10	22.00	18.00
2*11	24.00	20.00
2*12	26.00	22.00
2*13	28.00	24.00
2*14	30.00	26.00
2*15	32.00	28.00
2*16	34.00	30.00
2*17	36.00	32.00
2*18	38.00	34.00
2*19	40.00	36.00
2*20	42.00	38.00

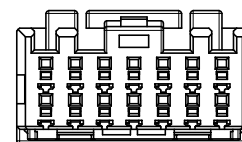
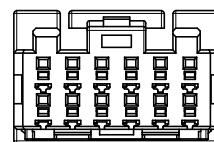
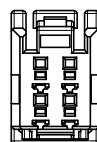


2*02~2*05Pin

2*06Pin

2*07~2*20Pin

A VIEW



GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX ±0.15

X.° ±2°

PROJECT

⊕



Horus Int. Electronics Co., LTD.

Horus Int. Electronics Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

John Yang

Xiaohu Jiang

2021/05/07

PART NO.

HRS-2024AM-2*XXX-PTXX

TITLE

Male Housing Sub-Assy

UNIT

SCALE

SHEET

REV

NUMBER

mm

2:1

1/1

A0

A-000

20220525

A0

/

Initial release

Cai Zhao

Hong Zou

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

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

Preliminary drawing
This is subject to change without notice

RD-1

■ Specifications:

- Current Rating: 3A AC/DC(0.35mm² Wire)
- Temperature Range: -40°C~+125°C
- Contact Resistance: ≤25mΩ(After Testing)
- Mates With HRS Housing: HRS-2024AM-XX/2*XX
- Mates With HRS Terminal:HRS-2024TM-BSN1
- Packaging Drawing: PK-HRS-2024TF-XXX
- Product Specification: PS-HRS-2024-01
- Symbols for SPC Dimensions: "★"

HRS-2024 T X F - H X X
① ② ③ ④ ⑤ ⑥ ⑦

① Series No.: HRS-2024

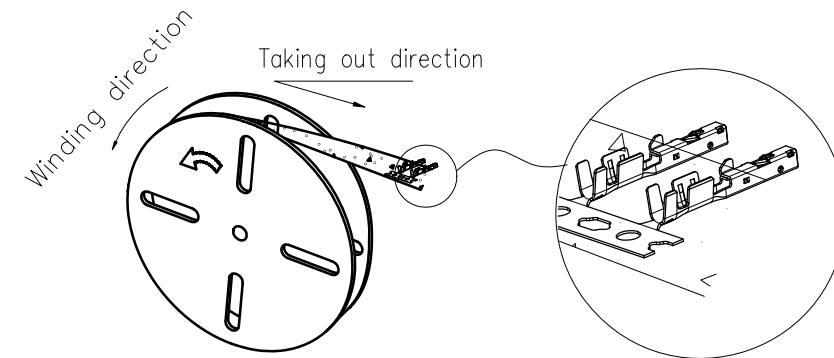
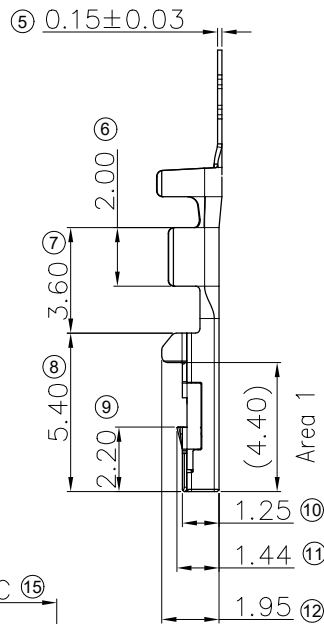
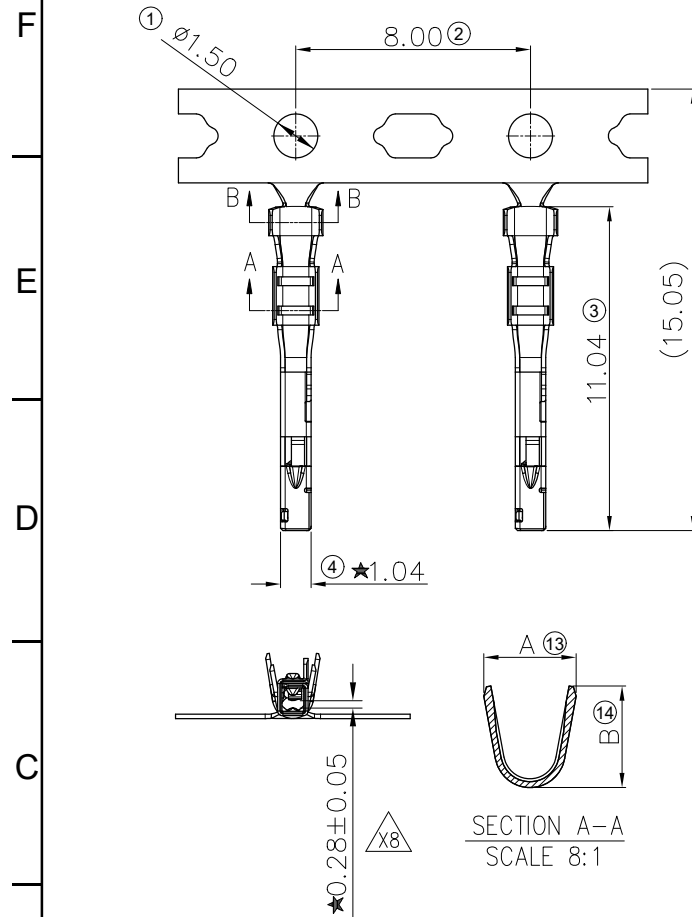
② Category: T-Terminal
Shape: Blank-Common Feet ;
L-Low Feet

③ Connector Type: F-Female terminal

④ Material: H-LV214 Material

⑤ Plating Code: Y2-40~120u"(1~3um) TIN
G1-Underplate Ni 40~120u"(1~3um) ;
Area 1 Plating Au 1U"(0.025um)Min
SN1-Underplate Ni 40~120u"(1~3um) ;
Top Plating Sn 80~200u"(2~5um)

⑥ Plating Process: B-Stamping After Plating
Blank-Stamping Before Plating



HRS-2024TLF-HG1	AWG#30~26	0.9mm Max	1.14	1.13	1.36	1.56
HRS-2024TLF-HY2B	(0.05~0.13mm ²)					
HRS-2024TF-HG1	AWG#24~22	1.3mm Max	1.57	1.73	1.85	2.22
HRS-2024TF-HY2B	(0.22~0.35mm ²)					
Part NO.	Wire Range	Insulation O.D.	DIM A	DIM B	DIM C	DIM D

20220823	X8	/	Increase the Gap value	Yahui Zhang	Hong Zou
20220516	X7	/	Added low foot size	Cai Zhao	Hong Zou
20220420	X6	/	Cancel the Material:Phosphorous Bronze	Cai Zhao	Hong Zou
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

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	John Yang	Xiaohu Jiang	2021/05/07

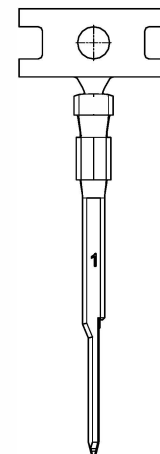
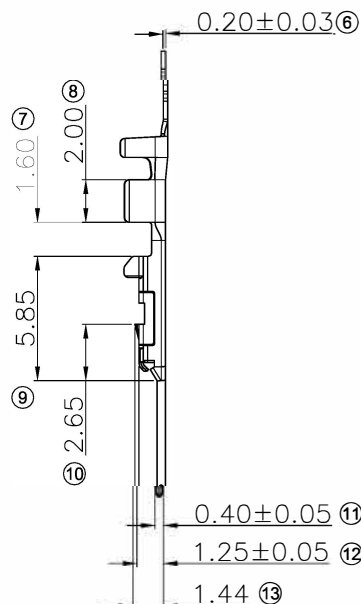
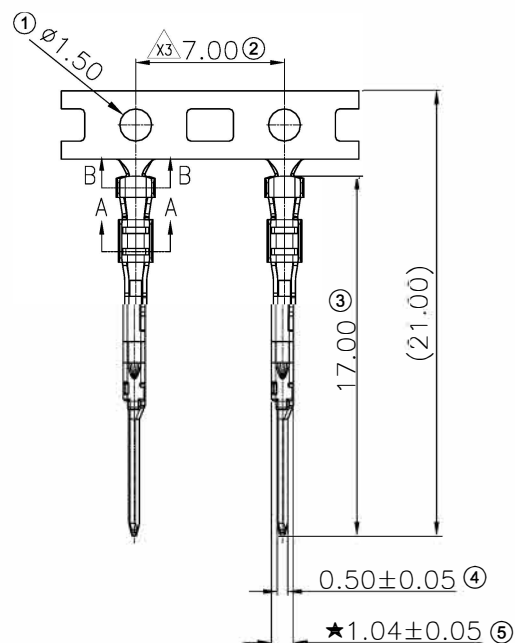
PART NO.	HRS-2024TF-HXX
TITLE	Female Terminal
UNIT	mm
SCALE	4:1
SHEET	1/1
REV	X8
NUMBER	A-000

RoHS

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

RD-1

Preliminary drawing
This is subject to change without notice

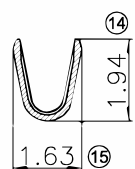


■ Specifications:

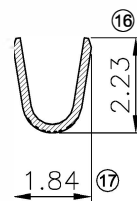
- Current Rating: 3A AC/DC (0.35mm² Wire)
- Temperature Range: -40°C ~ +125°C
- Contact Resistance: <10mΩ (Initial)
<20mΩ (After Testing)
- Mates With HRS Housing: HRS-2024AF-XXX/2*XXX
- Mates With HRS Terminal: HRS-2024TF-HY2B
- Packaging Drawing: HRS-PK-2024TM-BSN1
- Product Specification: HRS-PS-2024-01
- Symbols for SPC Dimensions: "★"

HRS-2024 T M - B SN1
① ② ③ ④ ⑤

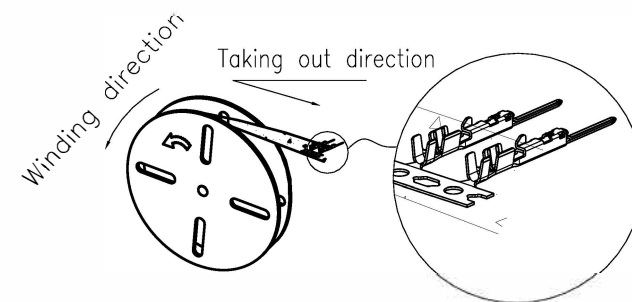
- ① Series No.: HRS-2024
- ② Category: T-Terminal
- ③ Connector Type: M-Male terminal
- ④ Material: B-Brass
- ⑤ Plating Code:
SN1-Underplate Ni 40~120u" (1~3um);
Top Plating Sn 80~200u" (2~5um)



SECTION A-A
SCALE 6:1



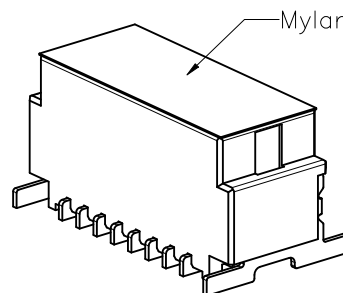
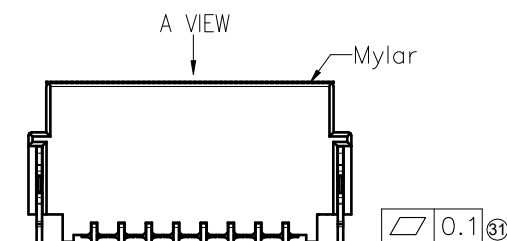
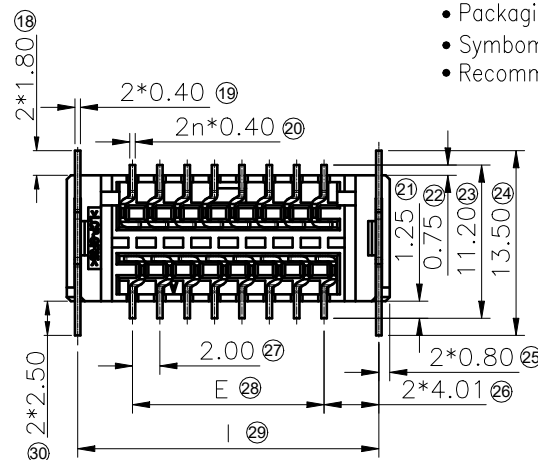
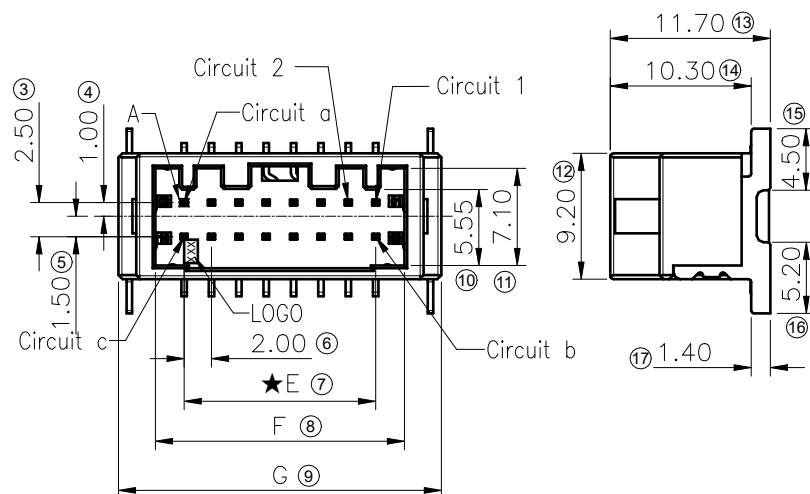
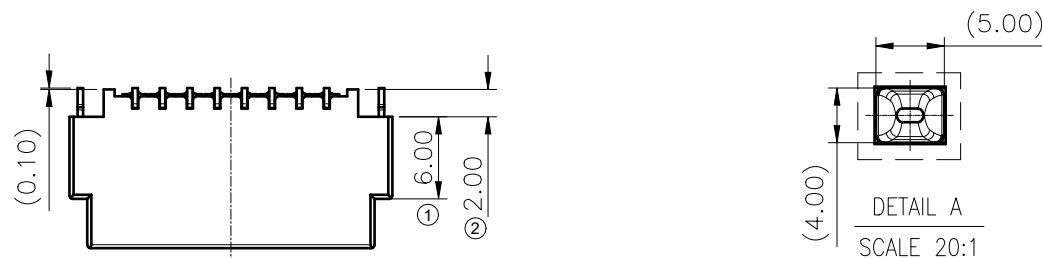
SECTION B-B
SCALE 6:1



HRS-2024TM-BSN1	AWG#24~22 (0.22~0.35mm ²)	ø1.3mm Max
Part NO.	Wire Range	Insulation O.D.

20220209	X3	/	Correct the Pitch dimension	Cai Zhao	John Yang	GENERAL TOLERANCE				PART NO.			
20220105	X2	/	Update the dimensioning	Cai Zhao	John Yang	.X ±0.35				HRS-2024TM-BSN1			
20210507	X1	/	Initial release	Xiaohu Jiang	John Yang	.XX ±0.25				TITLE			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	.XXX ±0.15				Male Terminal			
						X. ±2°				UNIT			
						PROJECT				SCALE			
						APPRO AL				SHEET			
						CHECK				REV			
						DRAWN				NUMBER			
						DATE				mm			
						Jason Huang				3:1			
						John Yang				1/1			
						Xiaohu Jiang				X3			
						2021/05/07				A-000			

- Voltage Rating:50V AC/DC
- Current Rating:3A AC/DC
- Withstanding Voltage:500V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance: $\leq 25\text{m}\Omega$ (After Testing)
- Mates With Housing:HRS-2024AM-2*XX
- Product Specification:PS-HRS-2024-01
- Packaging Drawing:PK-HRS-2024WVS-2*XX-LPXBR
- Symbols for SPC Dimensions:★
- Recommended solder thickness is 0.15mm



HRS-2024 W V S-2*XX-LP X B R
 (1) (2) (3) (4) (5) (6) (7) (8) (9)

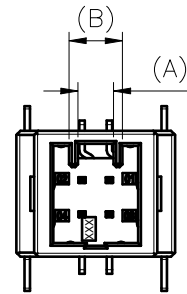
- ① Series No.:HRS-2024
- ② Category:W-Wafer
- ③ Connector Type:V-Straight 180°
- ④ Mounting Type:S-SMT
- ⑤ Row No.-Pin No.:
2*XX-Double Row-2x02Pin~2x20Pin
- ⑥ Plastic Material:LP-LCP (UL94V-0)
- ⑦ Planting Code:SW1-Matte Tin
Underplate:Ni 40~120u"(1~3um) overall
Top Plating:Sn 80~200u"(2~5um) overall
W1-Underplate:Ni 40~120u"(1~3um) overall
Contact area Plating Au 1U"(0.025um)Min
Weld area Plating Sn 80~200u"(2~5um)
- ⑧ Color:B-Black
- ⑨ Packing:R-Reel

20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou	GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.				PART NO. HRS-2024WVS-2*XX-LPXB				
						.X ±0.35									
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou	.XX ±0.25									
						.XXX ±0.15									
20220421	A2	/	Update the PCB LAYOUT	Cai Zhao	Hong Zou	X.* ±2"	APPROVAL	CHECK	DRAWN	DATE	TITLE 2.00mm WF ASSY vertical SMT				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Kevin	John Yang	Cai Zhao	2021/03/24	UNIT	SCALE	SHEET	REV	NUMBER
											mm	2:1	1/2	A4	A-000

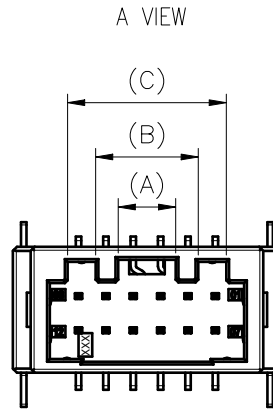
RoHS

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

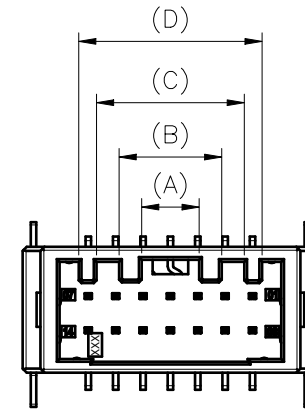
RD-1



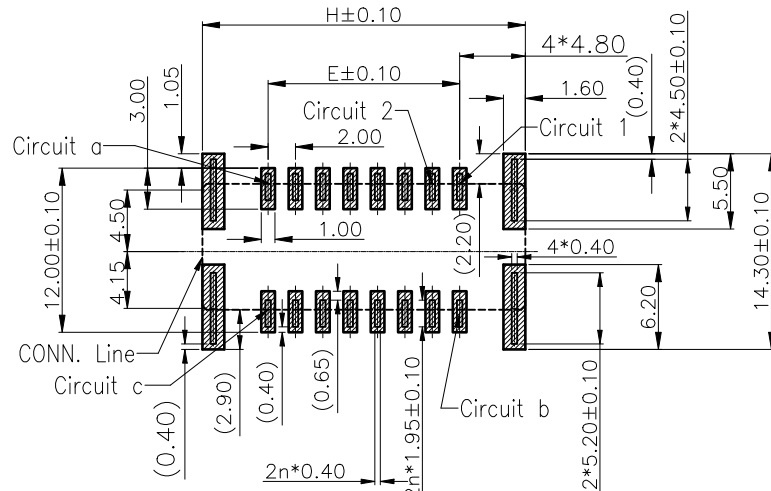
2*02~2*05 Pin



2*06 Pin



2*07~2*12 Pin



Recommended P.C.B Layout

General tolerance ± 0.05

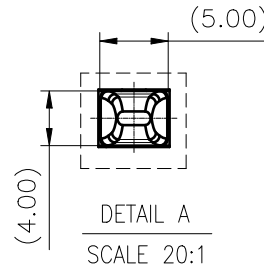
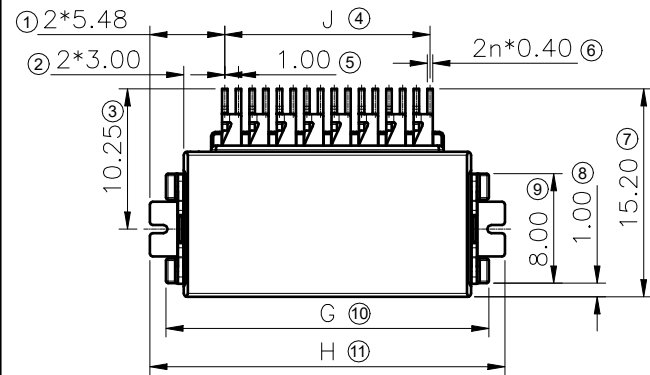
Poles	Dimensions/mm									Note
	A	B	C	D	E	F	G	H	I	
2*02	2.60	3.90	/	/	2.00	6.20	11.60	11.60	10.01	Mass production
2*03	2.60	5.40	/	/	4.00	8.20	13.60	13.60	12.01	
2*04	4.20	6.70	/	/	6.00	10.20	15.60	15.60	14.01	
2*05	4.20	7.50	/	/	8.00	12.20	17.60	17.60	16.01	
2*06	4.20	7.50	11.60	/	10.00	14.20	19.60	19.60	18.01	
2*07	4.20	7.50	10.80	13.40	12.00	16.20	21.60	21.60	20.01	
2*08	4.20	8.60	12.20	14.70	14.00	18.20	23.60	23.60	22.01	
2*09	6.30	9.50	13.10	16.60	16.00	20.20	25.60	25.60	24.01	
2*10	6.30	10.50	16.30	18.60	18.00	22.20	27.60	27.60	26.01	
2*11	6.30	9.40	14.20	18.70	20.00	24.20	29.60	29.60	28.01	
2*12	6.30	10.50	16.10	20.70	22.00	26.20	31.60	31.60	30.01	TBD
2*13	6.30	10.50	16.10	22.70	24.00	28.20	33.60	33.60	32.01	
2*14	6.30	10.50	16.10	24.70	26.00	30.20	35.60	35.60	34.01	
2*15	6.30	10.50	16.10	26.70	28.00	32.20	37.60	37.60	36.01	
2*16	6.30	10.50	16.10	28.70	30.00	34.20	39.60	39.60	38.01	
2*17	6.30	10.50	16.10	30.70	32.00	36.20	41.60	41.60	40.01	
2*18	6.30	10.50	16.10	32.70	34.00	38.20	43.60	43.60	42.01	
2*19	6.30	10.50	16.10	34.70	36.00	40.20	45.60	45.60	44.01	
2*20	6.30	10.50	16.10	36.70	38.00	42.20	47.60	47.60	46.01	

20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou	GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX ±0.15 X ° ±2° PROJECT  APPROVAL Kevin CHECK John Yang DRAWN Cai Zhao DATE 2021/03/24 PART NO. HRS-2024WVS-2*XX-LPXBR							
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou					Horus Int. Electronics. Co., LTD. HORUSTECH Horus Int. Electronics. Co., LTD. TITLE 2.00mm WF			
20220421	A2	/	Update the PCB LAYOUT	Cai Zhao	Hong Zou					ASSY vertical SMT			
										UNIT mm SCALE 2:1 SHEET 2/2 REV A4 NUMBER A-000			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL								

RoHS

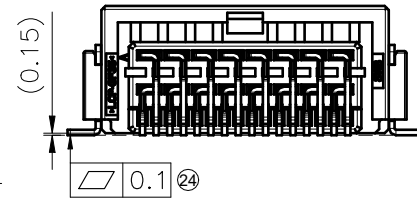
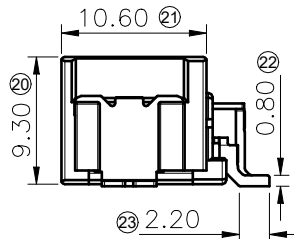
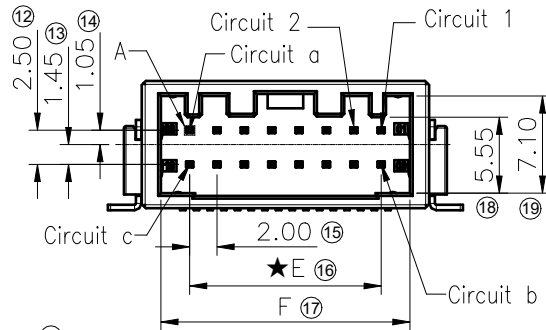
This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules

RD-1

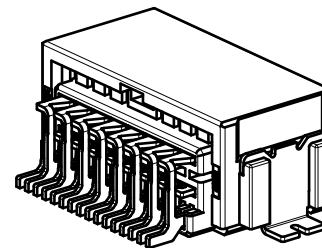
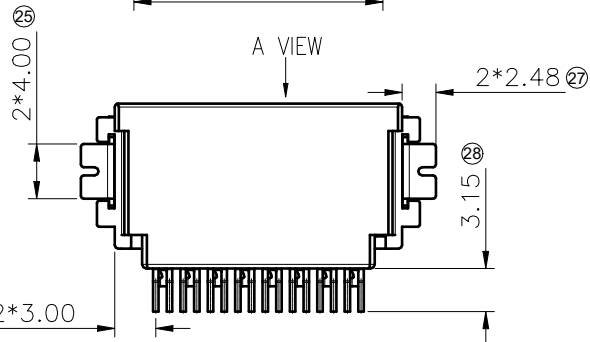


■ Specifications:

- Voltage Rating:50V AC/DC
- Current Rating:3A AC/DC
- Withstanding Voltage:500V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance: $\leq 25m\Omega$ (After Testing)
- Mates With Housing:HRS-2024AM-2*XXX
- Product Specification:PS-HRS-2024-01
- Packaging Drawing:PK-HRS-2024WRS-2*XXX-LPXBR
- Symbols for SPC Dimensions:"★"
- Recommended solder thickness is 0.15mm

HRS-2024 W R S-2*XX-LP X B R
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.:HRS-2024
- ② Category:W-Wafer
- ③ Connector Type:R-Right Angle 90°
- ④ Mounting Type:S-SMT
- ⑤ Row No.-Pin No.:
2*XX-Double Row-2x02Pin~2x20Pin
- ⑥ Plastic Material:LP-LCP (UL94V-0)
- ⑦ Planting Code:SW1-Matte Tin
Underplate:Ni 40~120u"(1~3um) overall
Top Plating:Sn 80~200u"(2~5um) overall
W1-Underplate:Ni 40~120u"(1~3um) overall
Contact area Plating Au 1U"(0.025um)Min
Weld area Plating Sn 80~200u"(2~5um)
- ⑧ Color:B-Black
- ⑨ Packing:R-Reel

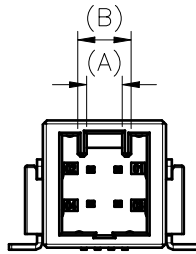


20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou	GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2024WRS-2*XX-LPXBR			
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou	.X ± 0.35					TITLE 2.00mm WF			
20220421	A2	/	Update the PCB LAYOUT	Cai Zhao	Hong Zou	.XX ± 0.25					ASSY right-angle SMT			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	.XXX ± 0.15					UNIT	SCALE	SHEET	NUMBER
						X.° $\pm 2^\circ$	APPROVAL	CHECK	DRAWN	DATE	mm	2:1	1/2	A4
						PROJECT	Kevin	John Yang	Cai Zhao	2021/03/23				A-000
														

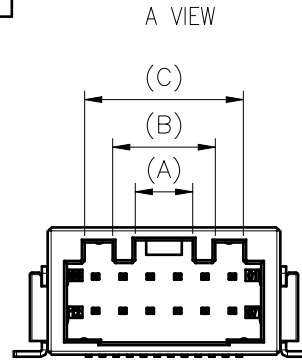
RoHS

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

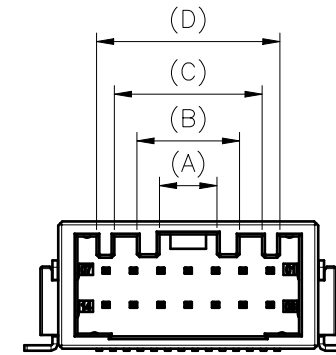
RD-1



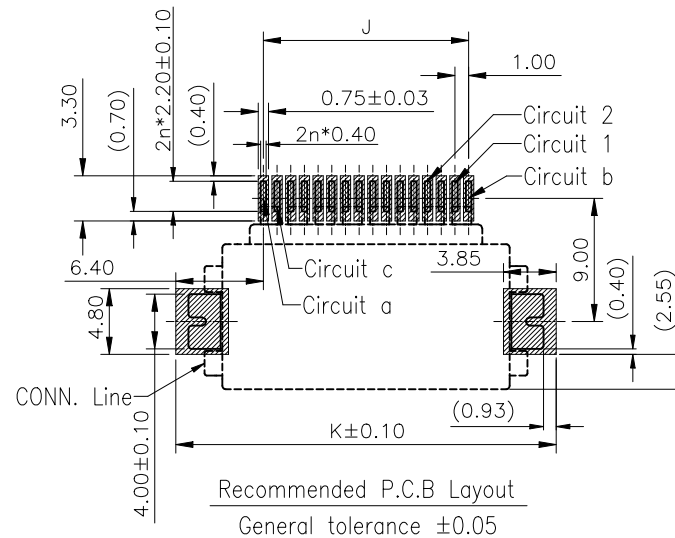
2*02~2*05 Pin



2*06 Pin



2*07~2*20 Pin



Poles	Dimensions/mm									
	A	B	C	D	E	F	G	H	J	K
2*02	2.60	3.90	/	/	2.00	6.20	11.60	13.95	3.00	15.80
2*03	2.60	5.40	/	/	4.00	8.20	13.60	15.95	5.00	17.80
2*04	4.20	6.70	/	/	6.00	10.20	15.60	17.95	7.00	19.80
2*05	4.20	7.50	/	/	8.00	12.20	17.60	19.95	9.00	21.80
2*06	4.20	7.50	11.60	/	10.00	14.20	19.60	21.95	11.00	23.80
2*07	4.20	7.50	10.80	13.40	12.00	16.20	21.60	23.95	13.00	25.80
2*08	4.20	8.60	12.20	14.70	14.00	18.20	23.60	25.95	15.00	27.80
2*09	6.30	9.50	13.10	16.60	16.00	20.20	25.60	27.95	17.00	29.80
2*10	6.30	10.50	16.30	18.60	18.00	22.20	27.60	29.95	19.00	31.80
2*11	6.30	9.40	14.20	18.70	20.00	24.20	29.60	31.95	21.00	33.80
2*12	6.30	10.50	16.10	20.70	22.00	26.20	31.60	33.95	23.00	35.80
2*13	6.30	10.50	16.10	22.70	24.00	28.20	33.60	35.95	25.00	37.80
2*14	6.30	10.50	16.10	24.70	26.00	30.20	35.60	37.95	27.00	39.80
2*15	6.30	10.50	16.10	26.70	28.00	32.20	37.60	39.95	29.00	41.80
2*16	6.30	10.50	16.10	28.70	30.00	34.20	39.60	41.95	31.00	43.80
2*17	6.30	10.50	16.10	30.70	32.00	36.20	41.60	43.95	33.00	45.80
2*18	6.30	10.50	16.10	32.70	34.00	38.20	43.60	45.95	35.00	47.80
2*19	6.30	10.50	16.10	34.70	36.00	40.20	45.60	47.95	37.00	49.80
2*20	6.30	10.50	16.10	36.70	38.00	42.20	47.60	49.95	39.00	51.80

20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou	GENERAL TOLERANCE				Horus Int. Electronics. Co., LTD.				PART NO.			
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou	.X ±0.35				Horus Int. Electronics. Co., LTD.				HRS-2024WRS-2*XX-LPXB			
20220421	A2	/	Update the PCB LAYOUT	Cai Zhao	Hong Zou	.XX ±0.25				APPROVAL				TITLE			
						.XXX ±0.15				CHECK				2.00mm WF			
						X.° ±2°				DRAWN				ASSY right-angle SMT			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT				DATE				UNIT	SCALE	SHEET	REV
						PROJECT				2021/03/23				mm	2:1	2/2	A4
						PROJECT				Kevin				NUMBER			
						PROJECT				John Yang				A-000			