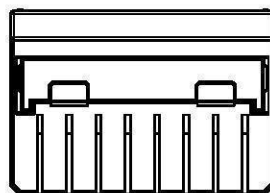
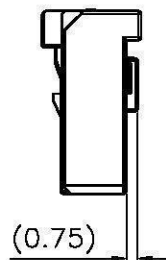
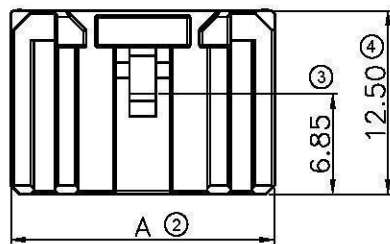
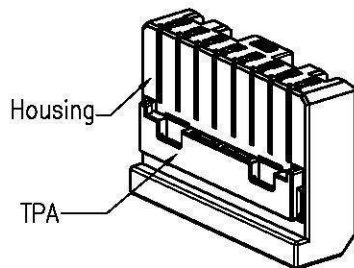
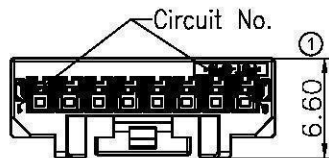


Poles	Dimensions/mm		
	A	B	C
02	6.20	2.00	9.00
03	8.20	4.00	11.00
04	10.20	6.00	13.00
05	12.20	8.00	15.00
06	14.20	10.00	17.00
07	16.20	12.00	19.00
08	18.20	14.00	21.00
09	20.20	16.00	23.00
10	22.20	18.00	25.00
11	24.20	20.00	27.00
12	26.20	22.00	29.00

20230403	X3	/	Update code	Yahui Zhang	Zhonghua Liu	GENERAL TOLERANCE	<div>Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.</div>				PART NO. HRS-2024AF-XXX-PTBK				
20220105	X2	/	Add the A VIEW and change of the Part NO.	Cai Zhao	John Yang	.X ±0.35					TITLE Female Housing Sub-Assy				
20210507	X1	/	Initial release	Xiaohu Jiang	John Yang	.XX ±0.25									
						.XXX±0.15	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	X* ±Z					Jason Huang	John Yang	Xiaohu Jiang	2021/05/07	mm

RoHS

This products can apply to the HRS Doc N0.QA-3-04-005  
of Environmental&Material Management Rules



Specifications :

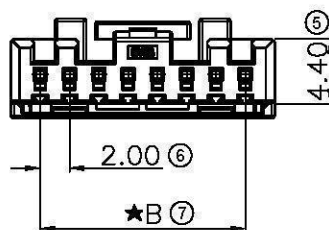
- Voltage rating: 50V Max.AC/DC
- Withstanding voltage: 1000V AC/minute
- Temperature range:-40 ~+125
- Insulation resistance:100M min./500V DC/Minute
- Mates With HRS Terminal:HRS-2024TF-HY2B
- MatesWith HRS Wafer:HRS-2024WRS-XX or HRS-2024WVS-XX
- Mates With HRS Housing:HRS-2024AF-XXX
- Symbols for SPC dimensions: " "
- Product Specification:PS-HRS-2024-01
- Packaging Drawing:PK-HRS-2024AM-XX-PTBK

HRS-2024 A M - XX - PT BK

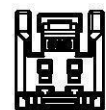
① ② ③ ④ ⑤ ⑥

- ① Series No.:HRS-2024
- ② Category:A-Housing Sub-Assembly
- ③ Connector Type:M-Male Housing
- ④ Row No.-Pin No:XX-Single Row 02~12Pin
- ⑤ Plastic material:PT-PBT UL94V-0
- ⑥ Color:BK-Black

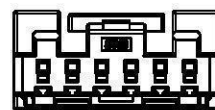
A VIEW



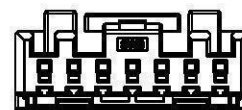
A VIEW



02~05Pin



06Pin



07~12Pin

Poles	Dimensions/mm	
	A	B
02	6.00	2.00
03	8.00	4.00
04	10.00	6.00
05	12.00	8.00
06	14.00	10.00
07	16.00	12.00
08	18.00	14.00
09	20.00	16.00
10	22.00	18.00
11	24.00	20.00
12	26.00	22.00

A	20220105	X2	/	Add the A VIEW and change of the Part NO.	Cai Zhao	John Yang
	20210307	X1	/	Initial release	Xiaohu Jiang	John Yang
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X." ±Z"

PROJECT

APPROVAL



Horus Int. Electronics Co., LTD.  
HorusTech Electronics Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

John Yang

Xiaohu Jiang

2021/03/07

PART NO.  
HRS-2024AM-XX-PTBK

TITLE  
Male Housing Sub-Assy

UNIT	SCALE	SHEET	REV	NUMBER
mm	2:1	1/1	X2	A-000

RoHS

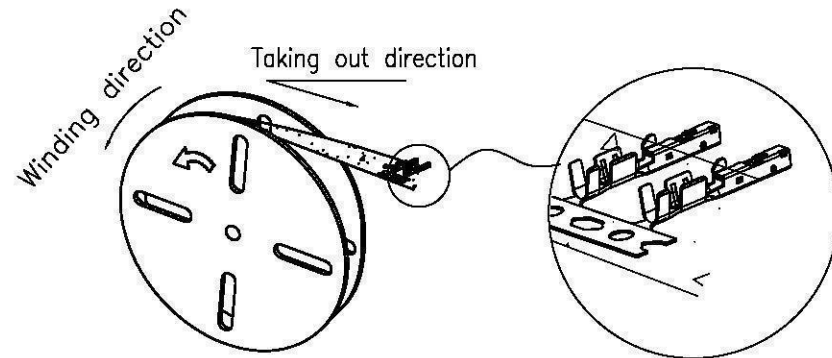
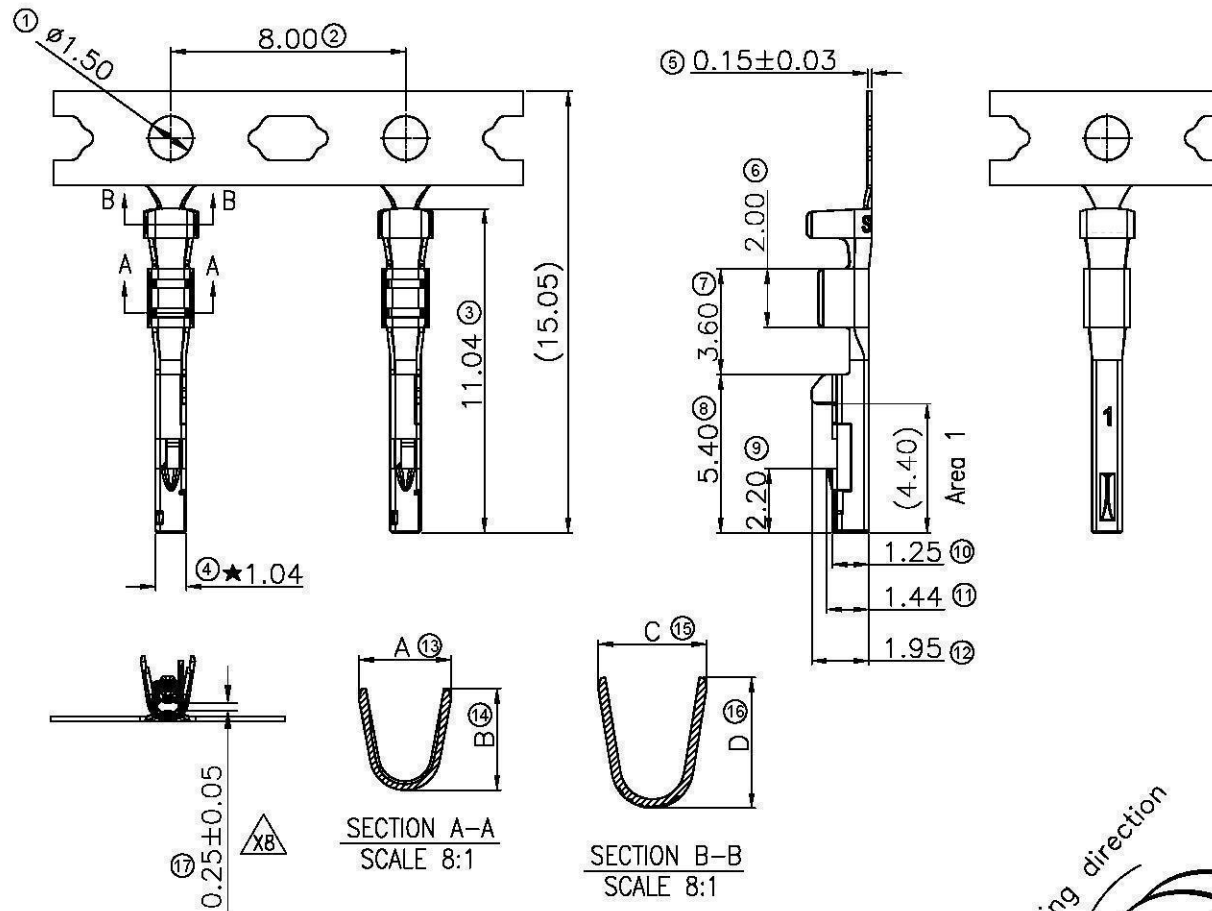
This products can apply to the HRS Doc N0.OA-3-04-005  
of Environmental&Material Management Rules

## ■ Specifications:

- Current Rating:3A AC/DC(0.35mm<sup>2</sup>Wire)
- Temperature Range:-40 ~+125
- Contact Resistance:<25m (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
- ③ Shape: Blank-Common Feet ;  
L-Low Feet
- ④ Connector Type:F-Female terminal
- ⑤ Material:H-LV214 Material
- ⑥ Plating Code:Y2-40~120u"(1~3um) TIN  
G1-Underplate Ni 40~120u"(1~3um) ;  
Area 1 Plating Au 1U"(0.025um)Min
- ⑦ Plating Process:B-Stamping After Plating  
Blank-Stamping Before Plating



HRS-2024TLF-HG1	AWG#30~26 (0.05~0.13mm <sup>2</sup> )	ø0.9mm Max	1.14	1.13	1.36	1.56
HRS-2024TLF-HY2B						
HRS-2024TF-HG1	AWG#24~22 (0.22~0.35mm <sup>2</sup> )	ø1.3mm Max	1.57	1.73	1.85	2.22
HRS-2024TF-HY2B						
Part NO.	Wire Range	Insulation O.D.	DIM A	DIM B	DIM C	DIM D

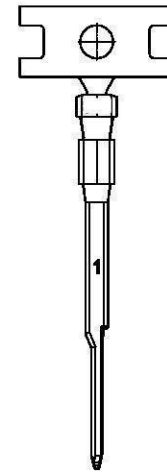
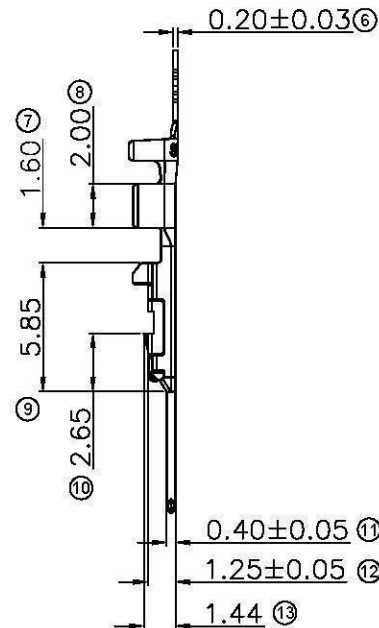
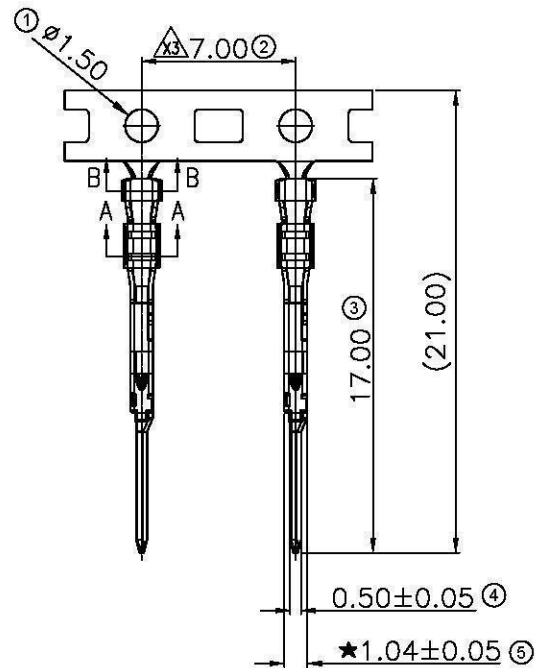
20220823	X8	/	Increase the Gap value	Yahui Zhang	Hong Zou	
20220516	X7	/	Added low foot size	Cai Zhao	Hong Zou	
20220420	X6	/	Cancel the Material:Phosphorous Bronze	Cai Zhao	Hong Zou	
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	

GENERAL TOLERANCE	 Horus Int. Electronics Co., LTD. HorusTech Electronics Co., LTD.				PART NO. HRS-2024TF-HXX			
.X ±0.35								
.XX ±0.25								
.XXX±0.15								
X' ±Z'								
PROJECT	APPROVAL	CHECK	DRAWN	DATE	TITLE Female Terminal			
	Jason Huang	John Yang	Xiaohu Jiang	2021/05/07	UNIT	SCALE	SHEET	REV
					mm	4:1	1/1	X8

NUMBER	A-000
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RoHS

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



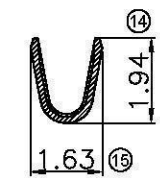
## Specifications:

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

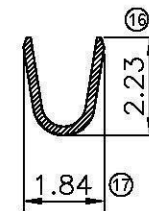
HRS-2024 T M - B SN1  
① ② ③ ④ ⑤

- ① Series No.:HRS-2024
- ② Category:T-Terminal
- ③ Connector Type:M-Male terminal
- ④ Material:B-Brass
- ⑤ Plating Code:

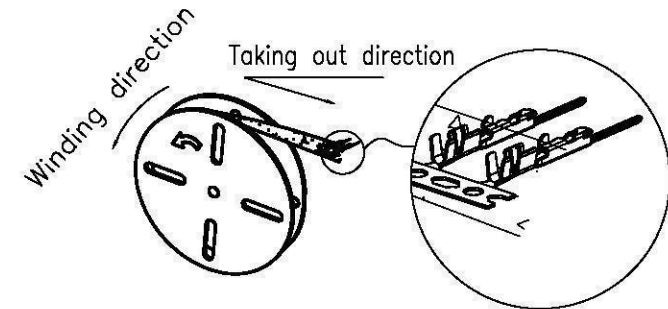
SN1-Underplate Ni 40~120u"(1~3um);  
Top Plating Sn 80~200u"(2~5um)




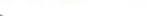


SECTION A-A  
SCALE 6:1



SECTION B-B  
SCALE 6:1



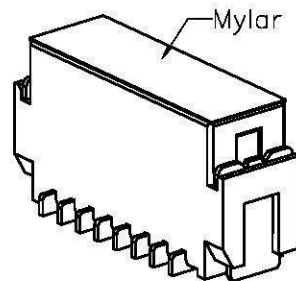
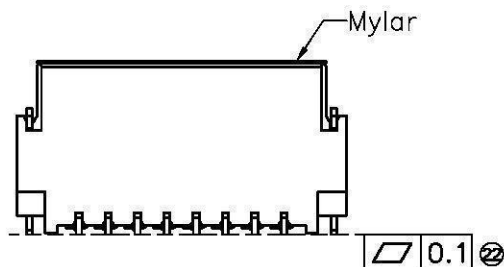
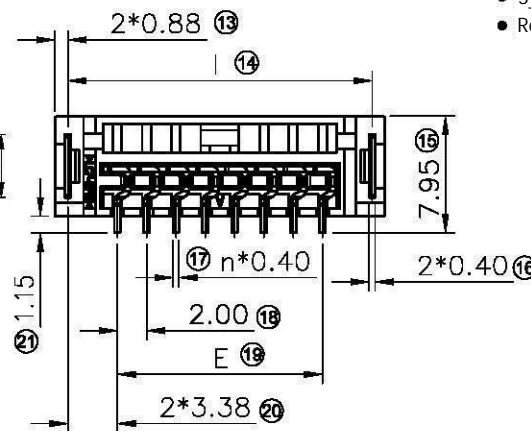
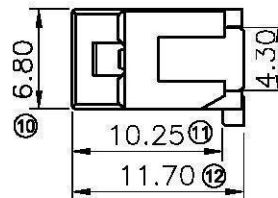
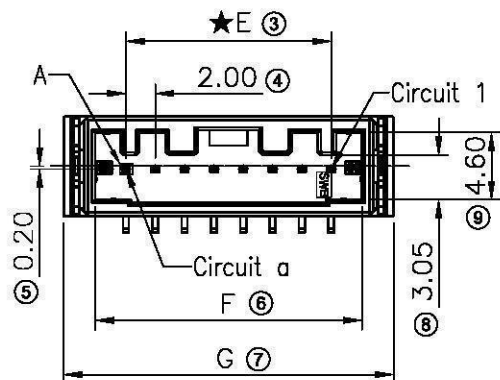
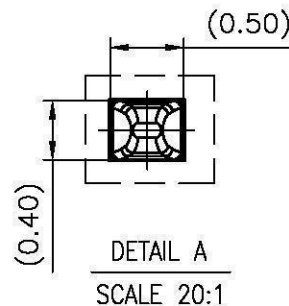
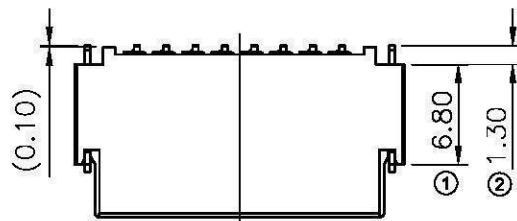
HRS-2024TM-BSN1	AWG#24~22 (0.22~0.35mm <sup>2</sup> )	ø1.3mm Max
Part NO.	Wire Range	Insulation O.D.

20220209	X3	/	Correct the Pitch dimension	Cai Zhao	John Yang	<div>GENERAL TOLERANCE</div> <div>.X ±0.35</div> <div>.XX ±0.25</div> <div>.XXX±0.15</div> <div>X' ±Z"</div> <div>PROJECT</div> <div></div>	<div>Horus Int. Electronics. Co., LTD.</div> <div>Horustech Electronics. Co., LTD.</div>				PART NO.				
20220105	X2	/	Undate the dimensioning	Cai Zhao	John Yang						HRS-2024TM-BSN1				
20210507	X1	/	Initial release	Xiaohu Jiang	John Yang		<div>APPROVAL</div> <div>CHECK</div> <div>DRAWN</div> <div>DATE</div>	TITLE							
						Male Terminal									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		Jason Huang	John Yang	Xiaohu Jiang	2021/05/07	UNIT	SCALE	SHEET	REV	NUMBER
											mm	3:1	1/1	X3	A-000



RoHS



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

**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 Mh./500V DC/Minute
- Contact Resistance: 25m (After Testing)
- Mates With Housing:HRS-2024AM-XX
- Product Specification:PS-HRS-2024-01
- Packaging Drawing:PK-HRS-2024WVS-XX-LPXBR
- Symbols for SPC Dimensions:" "
- Recommended solder thickness is 0.15mm

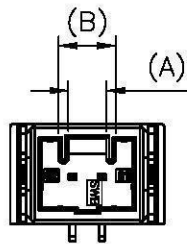
HRS-2024 W V S - XX - LP X B R  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- 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.:  
XX-Single Row-02Pin~12Pin
- 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

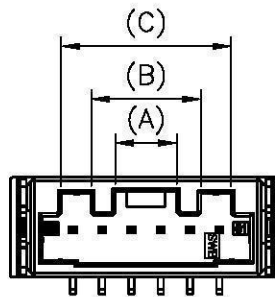
20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou	GENERAL TOLERANCE	 Horus Int. Electronics Co., LTD. HorusTech Electronics Co., LTD.				PART NO. HRS-2024WVS-XX-LPXBR				
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou	.X ±0.35					TITLE 2.00mm WF ASSY vertical SMT				
20220421	A2	/	Update the PCB LAYOUT	Cai Zhao	Hong Zou	.XX ±0.25									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	.XXX±0.15									
						X' ±2'	APPROVAL	CHECK	DRAWN	DATE					
						PROJECT	Kevin	John Yang	Cai Zhao	2021/03/25	UNIT	SCALE	SHEET	REV	NUMBER
											mm	2:1	1/2	A4	A-000

RoHS

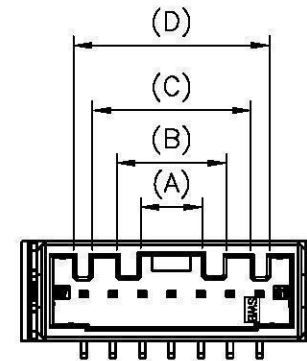
This products can apply to the HRS Doc NO.QA-3-04-005  
of Environmental&Material Management Rules



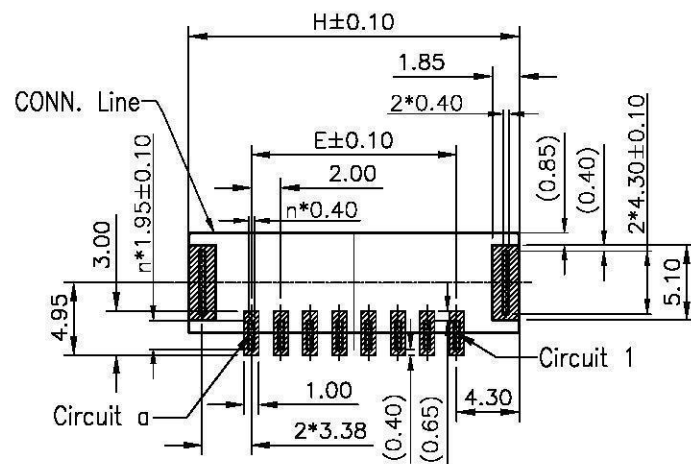
02~05 Pin



06 Pin





07~12 Pin



Recommended P.C.B Layout  
General tolerance  $\pm 0.05$

Poles	Dimensions/mm								
	A	B	C	D	E	F	G	H	I
02	2.60	3.90	/	/	2.00	6.20	10.50	10.60	8.75
03	2.60	5.40	/	/	4.00	8.20	12.50	12.60	10.75
04	4.20	6.70	/	/	6.00	10.20	14.50	14.60	12.75
05	4.20	7.50	/	/	8.00	12.20	16.50	16.60	14.75
06	4.20	7.50	11.60	/	10.00	14.20	18.50	18.60	16.75
07	4.20	7.50	10.80	13.40	12.00	16.20	20.50	20.60	18.75
08	4.20	8.60	12.20	14.70	14.00	18.20	22.50	22.60	20.75
09	6.30	9.50	13.10	16.60	16.00	20.20	24.50	24.60	22.75
10	6.30	10.50	16.30	18.60	18.00	22.20	26.50	26.60	24.75
11	6.30	9.40	14.20	18.70	20.00	24.20	28.50	28.60	26.75
12	6.30	10.50	16.10	20.70	22.00	26.20	30.50	30.60	28.75

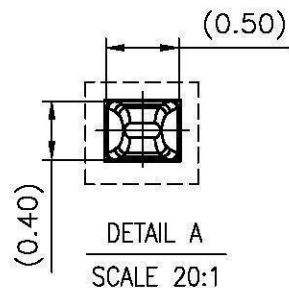
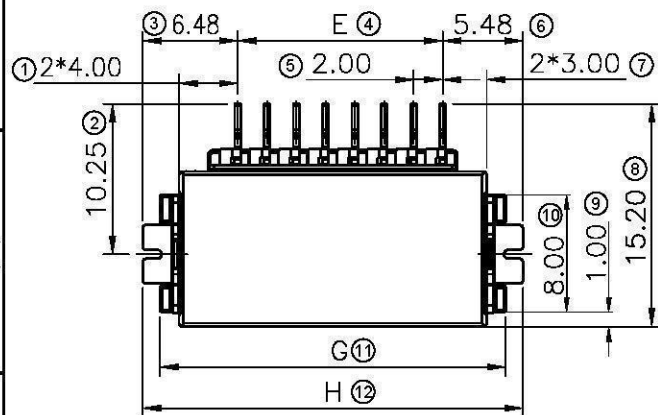
20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou	GENERAL TOLERANCE .X ±0.35	<div>Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.</div>				PART NO. HRS-2024WVS-XX-LPXBR				
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou	.XX ±0.25					TITLE 2.00mm WF ASSY vertical SMT				
20220421	A2	/	Update the PCB LAYOUT	Cai Zhao	Hong Zou	.XXX±0.15									
						X" ±Z	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						Kevin	John Yang	Cai Zhao	2021/03/25	mm

PART NO.  
HRS-2024WVS-XX-LPXBR

TITLE  
2.00mm WF  
ASSY vertical SMT

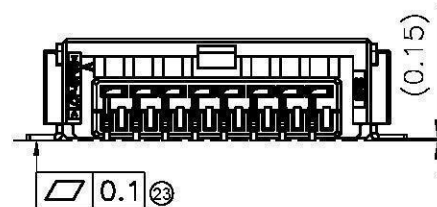
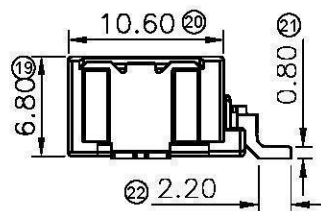
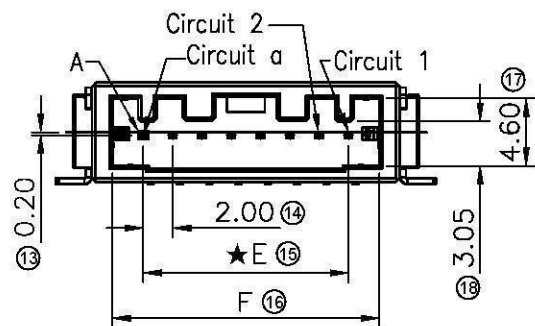
RoHS

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



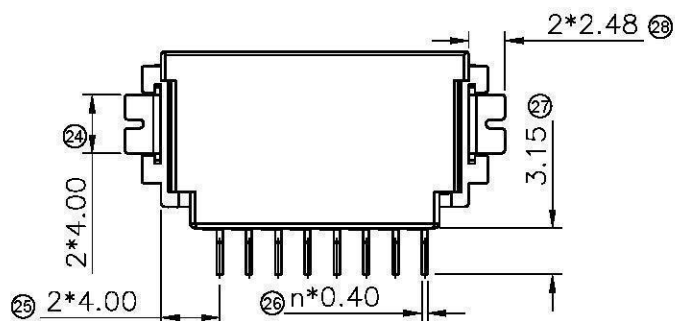
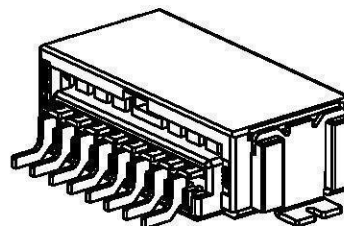
## Specifications:

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



HRS-2024 W R S -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.:  
XX-Single Row-02Pin~12Pin
- 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

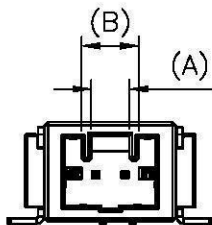


20230404	A5	/	Update frame	Yahui Zhang	Zhonghua Liu	<div><div>GENERAL TOLERANCE</div><div>.X ±0.35</div><div>.XX ±0.25</div><div>.XXX±0.15</div><div>X* ±Z*</div><div>PROJECT</div><div></div></div> <div><div> Horus Int. Electronics. Co., LTD.</div><div>Horustech Electronics. Co., LTD.</div></div> <div><div>APPROVAL</div><div>CHECK</div><div>DRAWN</div><div>DATE</div></div> <div><div>Kevin</div><div>John Yang</div><div>Cai Zhao</div><div>2021/03/18</div></div>				PART NO. HRS-2024WRS-XX-LPXBR				
20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou					TITLE 2.00mm WF				
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou					ASSY right-angle SMT				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL									
						<div><div>UNIT</div><div>mm</div></div> <div><div>SCALE</div><div>2:1</div></div> <div><div>SHEET</div><div>1/2</div></div> <div><div>REV</div><div>A5</div></div> <div><div>NUMBER</div><div>A-000</div></div>								

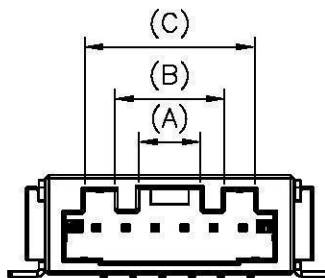
RoHS

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

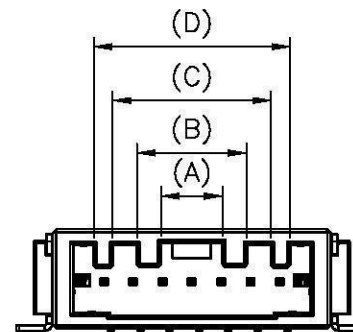
A VIEW



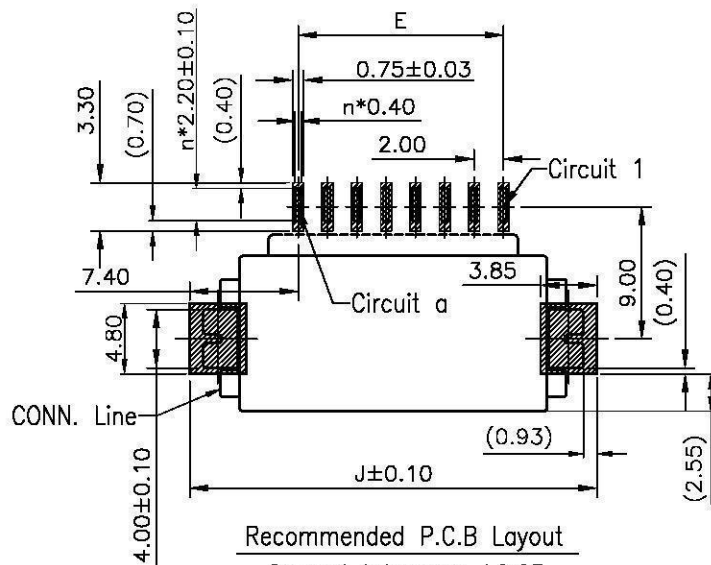
02~05 Pin



06 Pin



07~12 Pin



Recommended P.C.B Layout  
General tolerance  $\pm 0.05$

Poles	Dimensions/mm								
	A	B	C	D	E	F	G	H	J
02	2.60	3.90	/	/	2.00	6.20	11.60	13.95	15.80
03	2.60	5.40	/	/	4.00	8.20	13.60	15.95	17.80
04	4.20	6.70	/	/	6.00	10.20	15.60	17.95	19.80
05	4.20	7.50	/	/	8.00	12.20	17.60	19.95	21.80
06	4.20	7.50	11.60	/	10.00	14.20	19.60	21.95	23.80
07	4.20	7.50	10.80	13.40	12.00	16.20	21.60	23.95	25.80
08	4.20	8.60	12.20	14.70	14.00	18.20	23.60	25.95	27.80
09	6.30	9.50	13.10	16.60	16.00	20.20	25.60	27.95	29.80
10	6.30	10.50	16.30	18.60	18.00	22.20	27.60	29.95	31.80
11	6.30	9.40	14.20	18.70	20.00	24.20	29.60	31.95	33.80
12	6.30	10.50	16.10	20.70	22.00	26.20	31.60	33.95	35.80

20230404	A5	/	Update frame	Yahui Zhang	Zhonghua Liu	 Horus Int. Electronics Co., LTD. Horus Int. Electronics Co., LTD.				PART NO. HRS-2024WRS-XX-LPXBR				
20220524	A4	/	Added the mounting thickness of solder paste	Sally Hu	Hong Zou									
20220426	A3	/	Added dimensions	Sally Hu	Hong Zou									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL									
						APPROVAL	CHECK	DRAWN	DATE	TITLE 2.00mm WF ASSY right-angle SMT				
						Kevin	John Yang	Cai Zhao	2021/03/18	UNIT mm	SCALE 2:1	SHEET 2/2	REV A5	NUMBER A-000