

RoHS

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

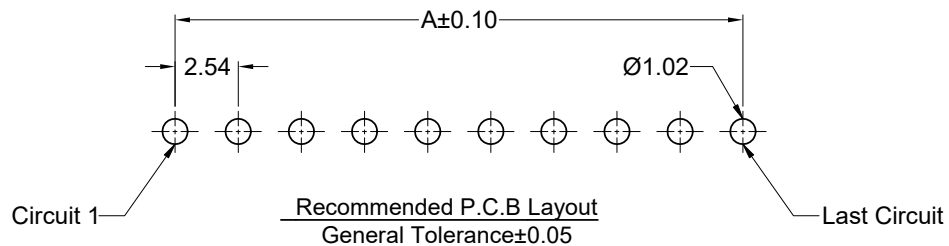
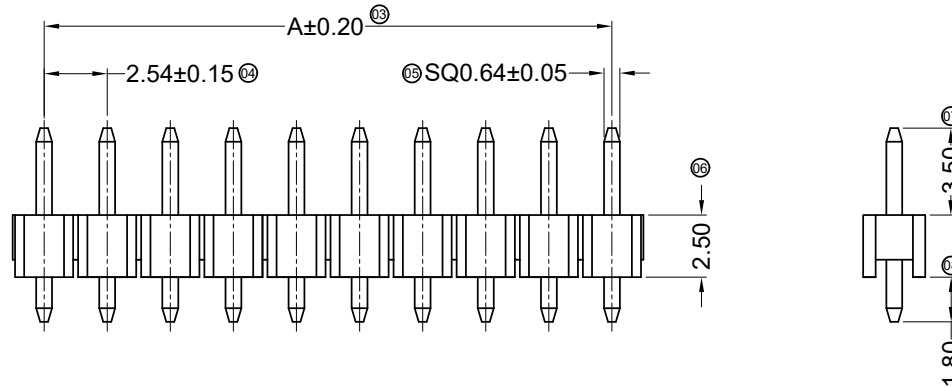
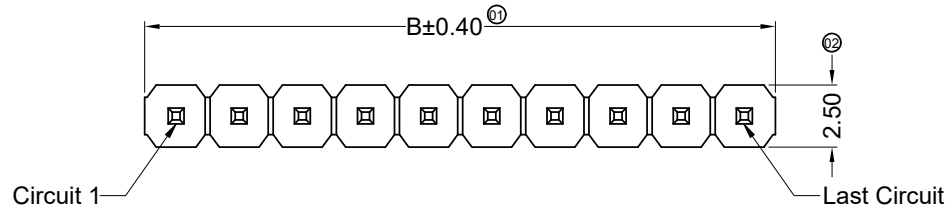
Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 20m\Omega$
- After environmental testing: $\leq 30m\Omega$
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X - XX X - 6T V01 XX- 02
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mouting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: XX-02P~40P
⑥ Special No.: Blank-ordinary
⑦ Material: 6T-PA6T 94V-0
⑧ Plating Code: V01-Gold Flash
⑨ Color: Blank-Black Color
⑩ 02-3.50/2.50/1.80

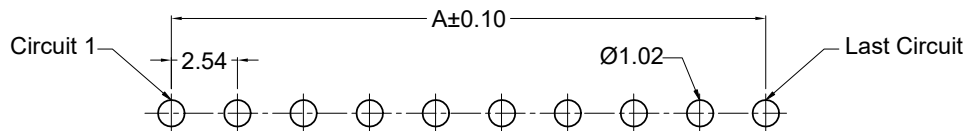
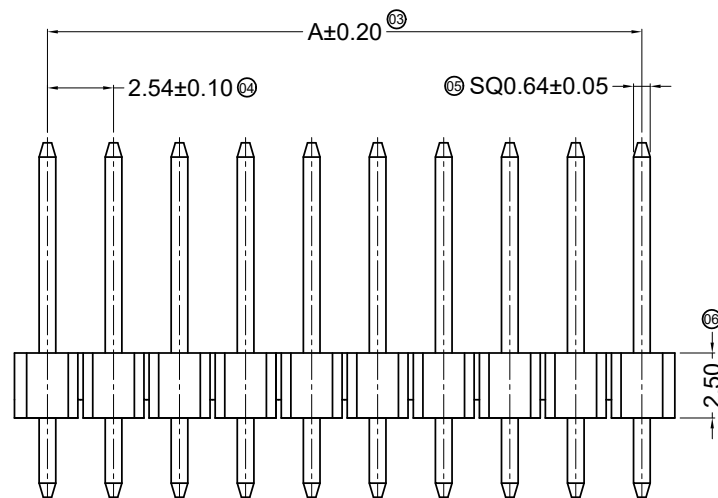
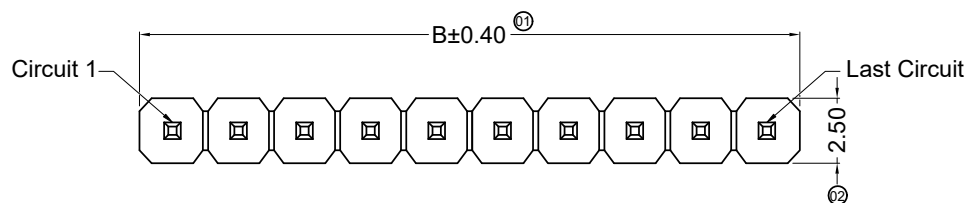
Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60
21	50.80	53.34			



2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	GENERAL TOLERANCE .X ±0.30 .XX ±0.20 .XXX ±0.10 X.° ±2° PROJECT	Horus Int. Electronics. Co., LTD. Horus Int. Electronics. Co., LTD.				PART NO.				
											HRS-6501WV-XX-6TV01-02				
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing		APPROVAL	CHECK	DRAWN	DATE	TITLE				
							Robing	Alan qin	Mandy	2019/09/04	2.54mm Pin Header connectors				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						UNIT	SCALE	SHEET	REV	NUMBER
											mm	1 : 1	1/1	B	A-268

RoHS

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



Recommended P.C.B Layout
General Tolerance±0.05

Specifications:

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X- XX X - 6T V01 XX-07

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- 180°
- ④ Mounting Type: Blank-DIP
- ⑤ Row No.-Pin No Per Row: XX-02P~40P
- ⑥ Special No.: Blank-Ordinary
- ⑦ Material: 6T-PA6T 94V-0;
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 07-8.08/2.50/3.05

Poles	Dimensions (mm)		Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B		A	B
01	--	2.54	15	35.56	38.10	29	71.12	73.66
02	2.54	5.08	16	38.10	40.64	30	73.66	76.20
03	5.08	7.62	17	40.64	43.18	31	76.20	78.74
04	7.62	10.16	18	43.18	45.72	32	78.74	81.28
05	10.16	12.70	19	45.72	48.26	33	81.28	83.82
06	12.70	15.24	20	48.26	50.80	34	83.82	86.36
07	15.24	17.78	21	50.80	53.34	35	86.36	88.90
08	17.78	20.32	22	53.34	55.88	36	88.90	91.44
09	20.32	22.86	23	55.88	58.42	37	91.44	93.98
10	22.86	25.40	24	58.42	60.96	38	93.98	96.52
11	25.40	27.94	25	60.96	63.50	39	96.52	99.06
12	27.94	30.48	26	63.50	66.04	40	99.06	101.60
13	30.48	33.02	27	66.04	68.58			
14	33.02	35.56	28	68.58	71.12			

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



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

PART NO.

HRS-6501WV-XX-6TV01-07

TITLE

2.54 mm Pin Header connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1 : 1	1/1	A	A-268

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

APPROVAL

CHECK

DRAWN

DATE

Robing

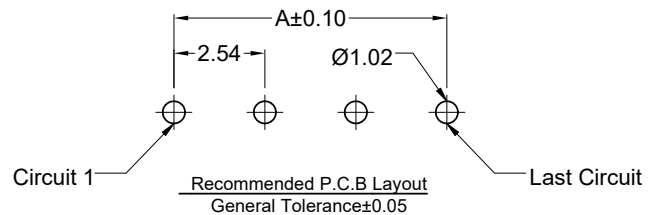
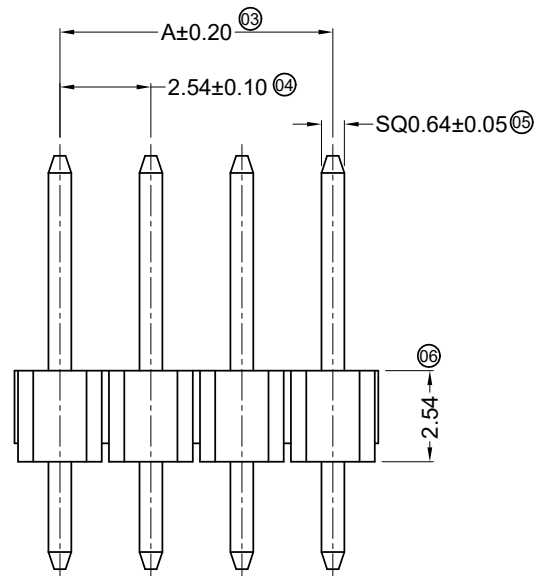
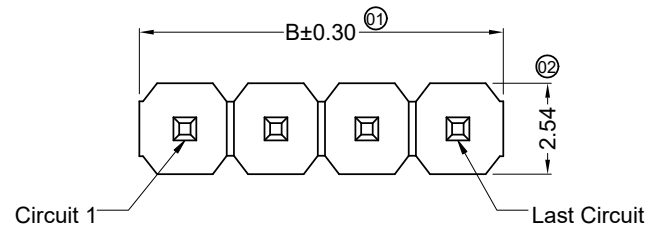
Alan Qin

Mandy

2020/03/16

RoHS

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of Environmental&Material Management Rules



■ Specifications :

- Voltage rating: 250V AC / DC
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- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X -XX X - 6T V01 XX - Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

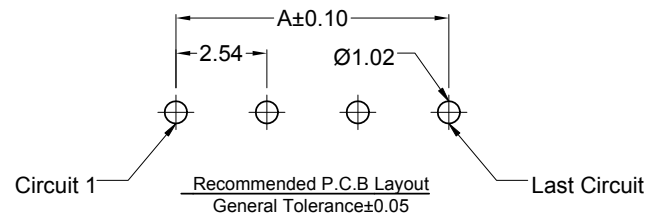
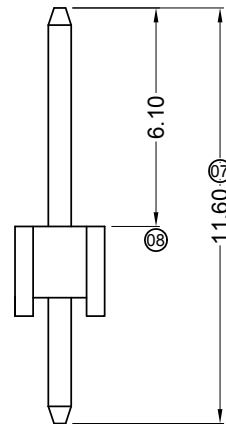
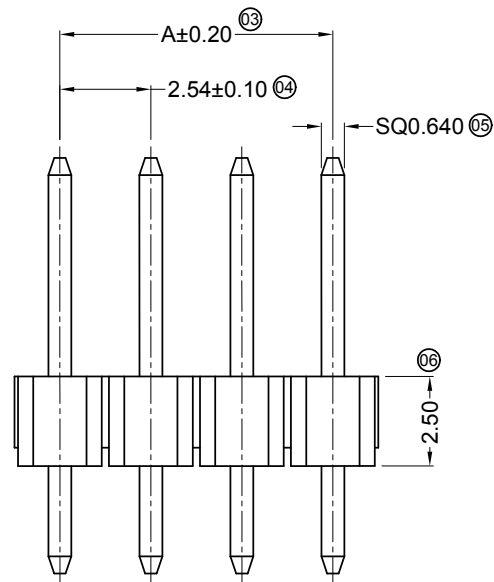
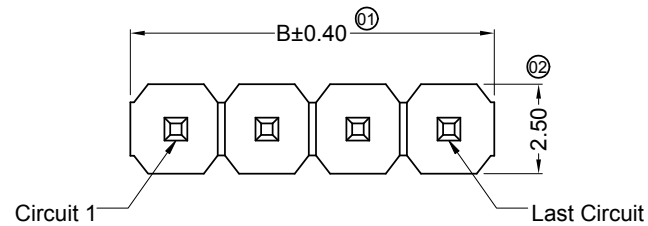
- ① Series No.
② Category: W-wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: XX-02P~40P
⑥ Special No.: Blank-Ordinary
⑦ Material: 6T-PA6T 94V-0
⑧ Plating Code: V01-Gold Flash
⑨ Color: Blank-Black Color
⑩ Q-6.00/2.54/3.00

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.54	21	50.80	53.34
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60

2020/03/16	G	EN20200316005	Update Drawing Frame	Mandy	Robing	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-6501WV-XX-6TV01-Q				
2016/02/16	F		Add Part No.	Wuxiaotao	Success						TITLE 2.54 mm Pin Header connectors				
2015/08/04	E		Modify Title	Wuxiaotao	Success		APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		Robing	Sun Kaibao	Liu Yan	2011/09/08	mm	1 : 1	1/1	G	A-268

RoHS

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of Environmental&Material Management Rules



Specifications:

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X-XX X-6T V01 XX-W
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

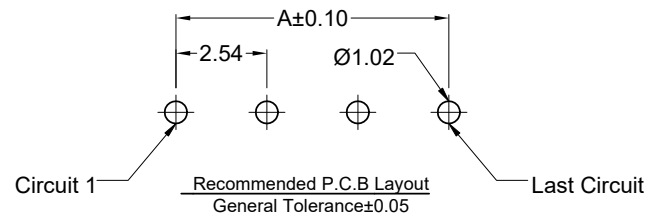
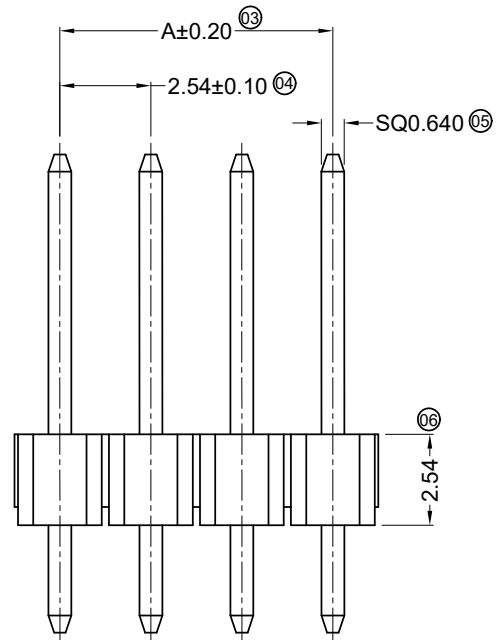
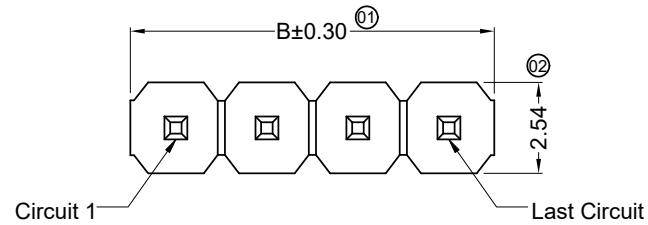
- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: XX-02P~40P
⑥ Special No.: Blank-Ordinary
⑦ Material: 6T-PA6T 94V-0
⑧ Plating Code: V01-Gold Flash
⑨ Color: Blank-Black Color
⑩ W-6.10/2.50/3.00

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.54	21	50.80	53.34
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60

						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WV-XX-6TV01-W							
						.X ±0.30					TITLE							
						.XX ±0.20	APPROVAL				CHECK	DRAWN	DATE	2.54 mm Pin Header connectors				
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	.XXX ±0.10								UNIT				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Robing	Sun Kaibao	Liu Yan	2011/09/08	mm	1 : 1	1/1	B	A-268			

RoHS

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**Specifications:**

- Voltage rating: 250V AC / DC
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- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X-XX X-9T V01 XX-N
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

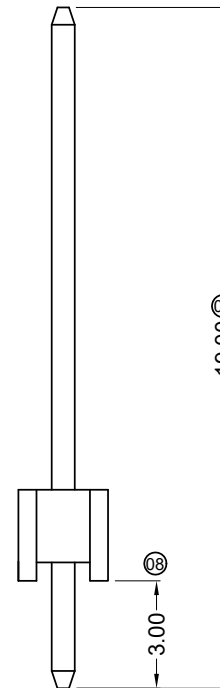
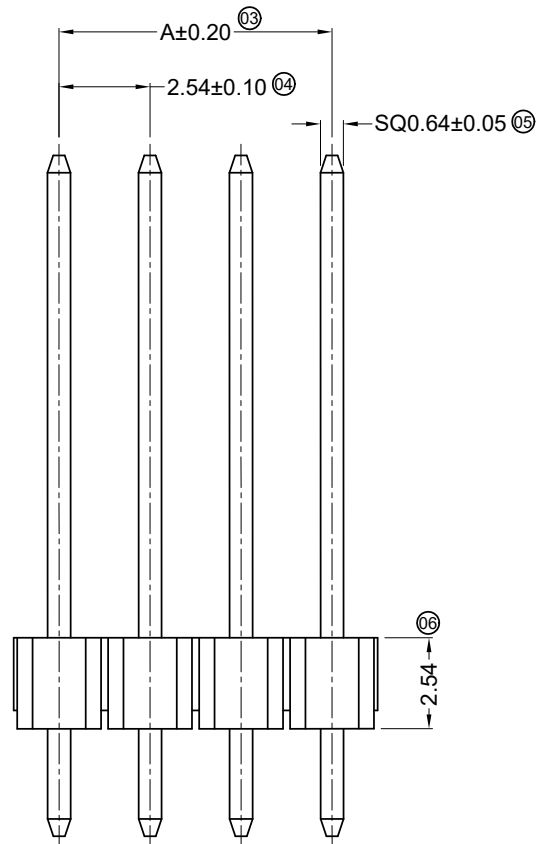
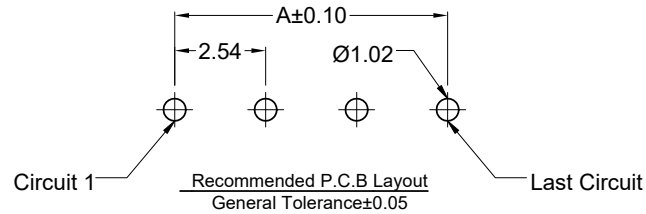
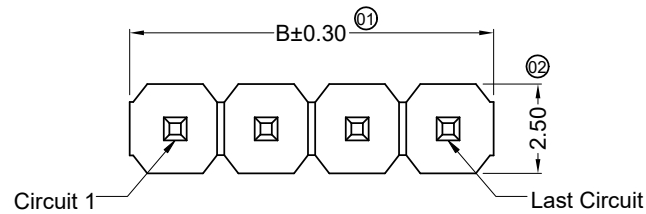
- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: XX-02P~40P
⑥ Special No.: Blank-Ordinary
⑦ Material: 9T-PA9T 94V-0
⑧ Plating Code: V01-Gold Flash
⑨ Color: Blank-Black Color
⑩ N-7.81/2.54/3.00

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.54	21	50.80	53.34
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60

						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WV-XX-9TV01-N				
						.X ±0.30					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20									
						.XXX ±0.10	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	X.° ±2°					Tang	Joshua	Alan qin	2017/04/21	mm
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL										

RoHS

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- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X - XX X - 9T V01 XX - 04
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

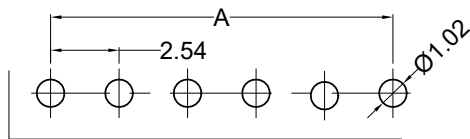
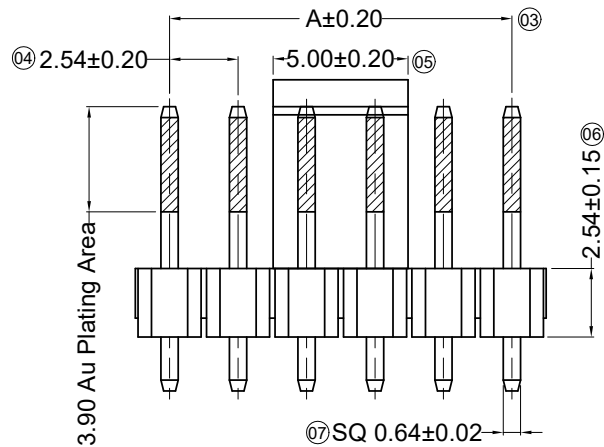
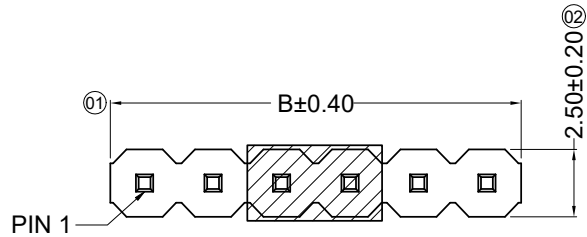
- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: XX-02P~40P
⑥ Special No.: Blank-Ordinary
⑦ Material: 9T-PA9T 94V-0
⑧ Plating Code: V01-Gold Flash
⑨ Color: Blank-Black color
⑩ 04-13.46/2.54/3.00

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.54	21	50.80	53.34
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60

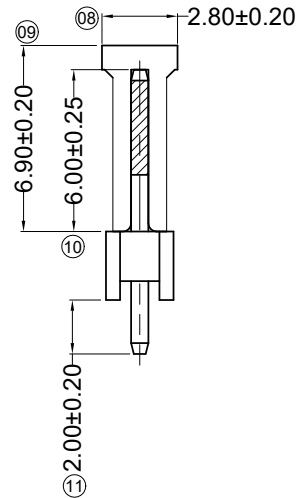
						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WV-XX-9TV01-04				
						.X ±0.30					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20									
						.XXX ±0.10	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	X.° ±2°					Robing	Alan Qin	Mandy	2019/11/25	mm
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



Recommended P.C.B Layout
General Tolerance±0.05

**Specifications :**

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass Material(CAP): LCP UL94V-0 Halogen free
- Mates With HRS Wafer: HRS-6501FX

HRS-6501 W V -XX FC - LP XXX -H

⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱

- ⑪ Series No.
⑫ Category: W-wafer
⑬ Connector Type: V-180°
⑭ Row No.-Pin No Per Row.: XX-Single row
⑮ Special NO.: FC-Halogen free With CAP
⑯ Material: LP-LCP UL94V-0
⑰ Plating Code:
V01-Gold Flash Ni 50u"Min. Overall
V30-Contact Area Gold 30u"Min. Other Area Gold Flash Ni 50u"Min. Overall
SW-Matte Tin 100u"Min. Ni 50u"Min. Overall
⑱ H-L=6.00/2.54/2.00

Poles	Dimensions (mm)		Poles	Dimensions (mm)		Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B		A	B		A	B
01	--	2.54	11	25.40	27.94	21	50.80	53.34	31	76.20	78.74
02	2.54	5.08	12	27.94	30.48	22	53.34	55.88	32	78.74	81.28
03	5.08	7.62	13	30.48	33.02	23	55.88	58.42	33	81.28	83.82
04	7.62	10.16	14	33.02	35.56	24	58.42	60.96	34	83.82	86.36
05	10.16	12.70	15	35.56	38.10	25	60.96	63.50	35	86.36	88.90
06	12.70	15.24	16	38.10	40.64	26	63.50	66.04	36	88.90	91.44
07	15.24	17.78	17	40.64	43.18	27	66.04	68.58	37	91.44	93.98
08	17.78	20.32	18	43.18	45.72	28	68.58	71.12	38	93.98	96.52
09	20.32	22.86	19	45.72	48.26	29	71.12	73.66	39	96.52	99.06
10	22.86	25.40	20	48.26	50.80	30	73.66	76.20	40	99.06	101.60

						GENERAL TOLERANCE		Horus Int. Electronics. Co., LTD. Horus tech Electronics. Co., LTD.				PART NO. HRS-6501WV-XXFC-LPXXX-H				
						.X ±0.35						TITLE 2.54mm Pin Header connectors				
						.XX ±0.25										
20-03-09	B	EN20200316005	Update drawing	Mali	Joshua	.XXX ±0.15		APPROVAL	CHECK	DRAWN	DATE					
						X.° ±2°										
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 		Robing	Robing	Joshua	2017/04/20	UNIT mm	SCALE 1:1	SHEET 1/1	REV B	NUMBER A-213

RoHS

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

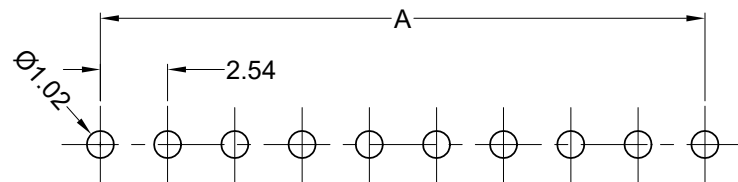
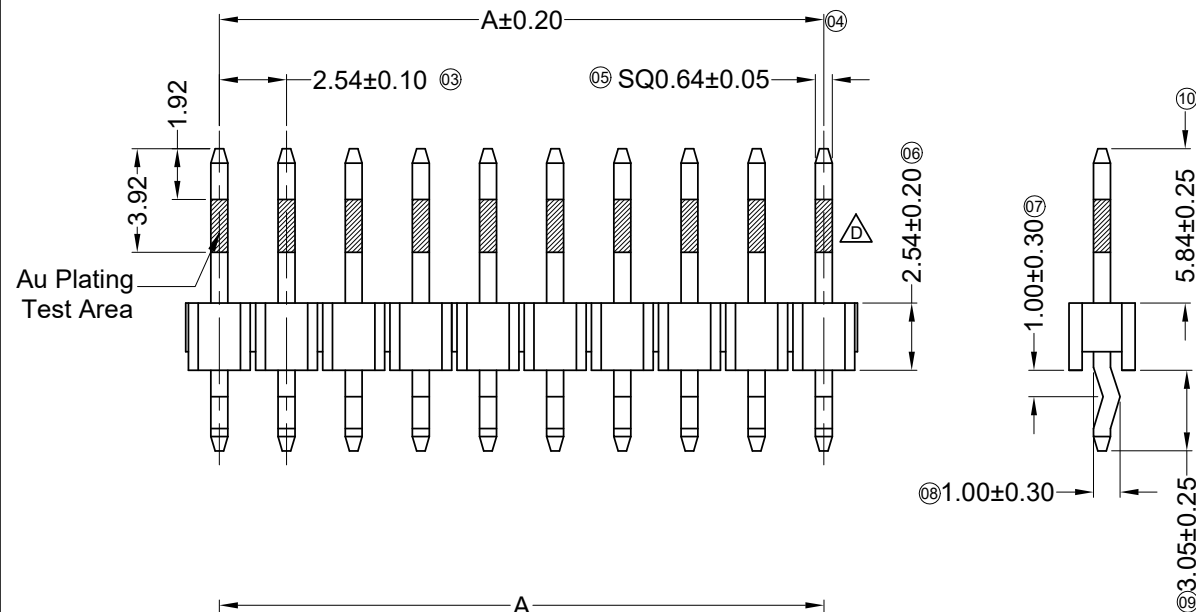
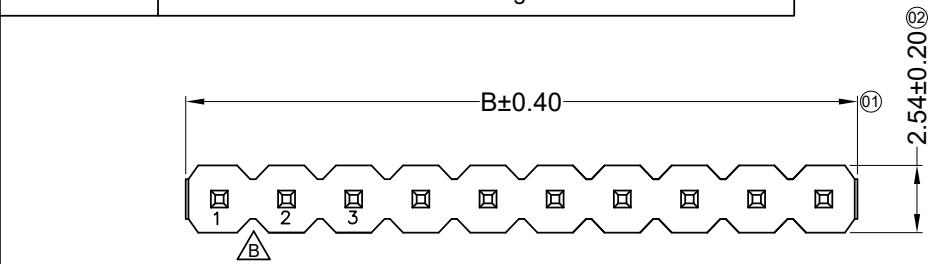
■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header: HRS-6501FX

HRS-6501 W V -XX HF -4T XXX- T7

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.
② Category: W-wafer
③ Connector Type: V-180°
④ Row No.-Pin No Per Row: XX-Single row
⑤ Special NO.: HF-Halogen Free
⑥ Material: 4T-PA4T 94V-0
⑦ Plating Code: V01-Gold Flash, Ni 50u"Min.
V15-Contact Area Au15u"Min. Other Area G/F Ni:50u"Min.
⑧ T7-L=5.84/2.54/3.05



Recommended P.C.B Layout
General Tolerance±0.05

Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B
01	---	2.54	21	50.80	53.34
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60

20-03-16	D	EN20200316005	Add Contact Area Gold Plating Area	Mali	Joshua	GENERAL TOLERANCE .X ±0.35 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WV-XXHF-4TV15-T7				
17-03-02	C		Add Gold Flash Specification	Joshua	Tang					TITLE 2.54mm Pin Header connectors				
16-09-23	B		Modity appearance	Joshua	Tang					UNIT SCALE SHEET REV NUMBER				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					Robing	Joshua	Alan qin	2017/03/02	mm 1:1 1/1 D A-213

RoHS

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

■ Specifications :

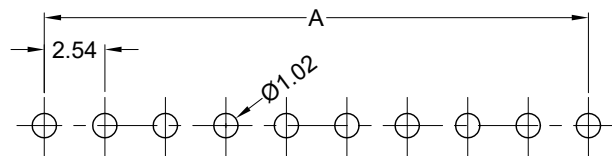
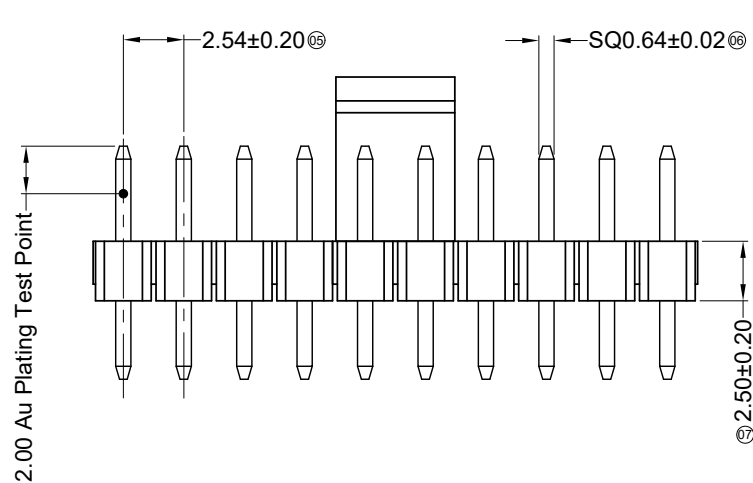
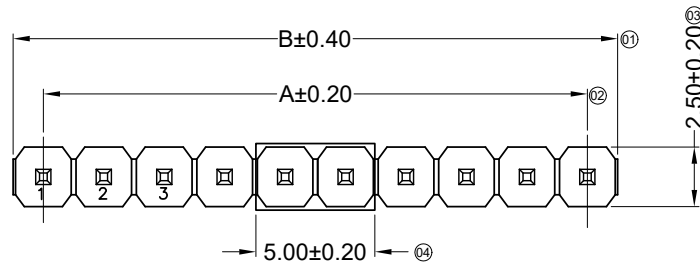
- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 20m\Omega$
- After environmental testing: $\leq 30m\Omega$
- Material(Pin): Brass
- Material(CAP): LCP 94V-0 Black Halogen Free
- Mates With HRS Female Header: HRS-6501FX

HRS-6501 W V -XX L -LP XX

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.
② Category: W-wafer
③ Connector Type: V-180°
④ Row No.-Pin No Per Row.: XX-Single row
⑤ Special NO.: L-4.00*2.50*3.30
⑥ Material: LP-LCP UL94V-0
⑦ Plating Code:
V30-Contact Area 30u" Min. Solder Area Gold Flash
Under Ni 50u"Min.

Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60
21	50.80	53.34			

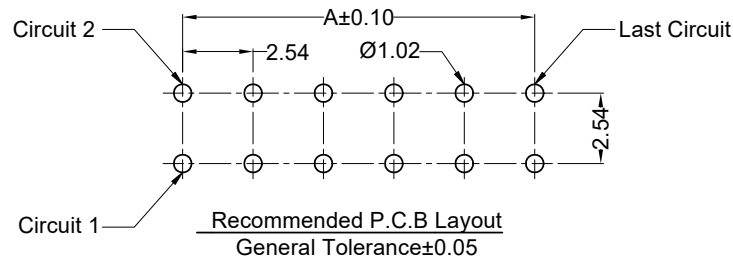
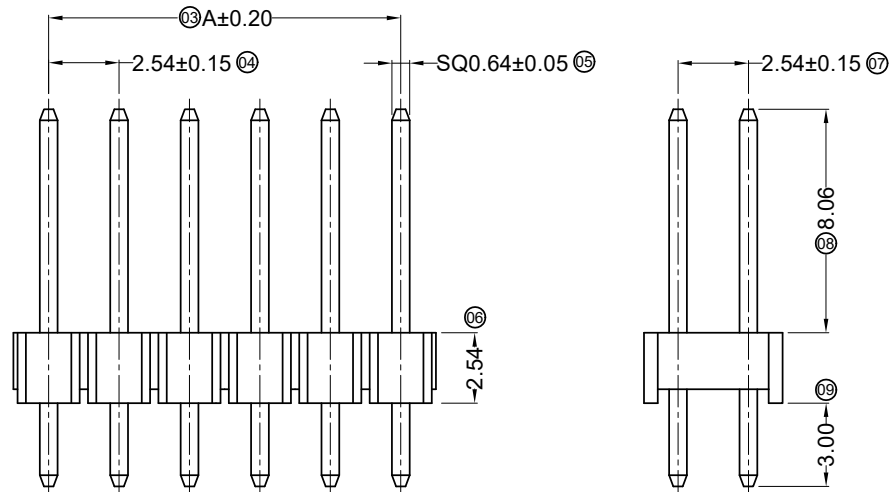
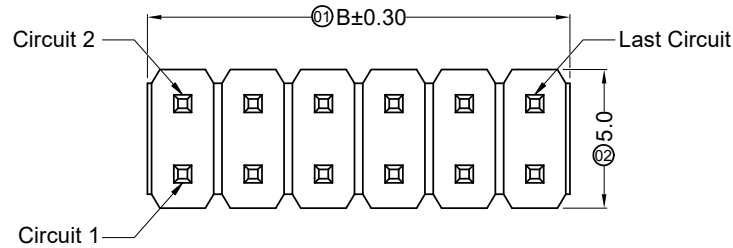


Recommended P.C.B Layout
General Tolerance ± 0.05

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WV-XXL-LPV30				
						.X ±0.35					TITLE 2.54mm Pin Header connectors				
						.XX ±0.25									
						.XXX ±0.15	APPROVAL	CHECK	DRAWN	DATE					
2020-03-17	B	EN20200316005	Add gold-plated measuring points	Mali	Joshua	X.° ±2°									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Robing	Robing	Joshua	2018/08/08	UNIT	SCALE	SHEET	REV	NUMBER
											mm	1:1	1/1	B	A-213

RoHS

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



Recommended P.C.B Layout
General Tolerance±0.05

Specifications :

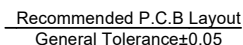
- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X-2*XX X-6T V01 XX-01
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: 2*XX-2*02P~2*40P
⑥ Special No.: Blank-Ordinary
⑦ Material: 6T-PA6T 94V-0;
⑧ Plating Code: V01- Gold Flash
⑨ Color: Blank-Black color
⑩ 01-8.06/2.54/3.00

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

2020/03/16	F	EN20200316005	Update Drawing Frame, The Same ECR And ECN No	Mandy	Robing	GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO.				
2015/08/04	E		Modify Title	Felix.Xie	Success	.X ±0.30					HRS-6501WV-2*XX-6TV01-01				
2015/05/12	D		Modify drawing frame format	jian.He	Success	.XX ±0.20					TITLE				
						.XXX ±0.10					2.54 mm Pin Header connectors				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	X.° ±2°	APPROVAL				UNIT	SCALE	SHEET	REV	NUMBER
							Robing	Sun Kaibao	Liu Yan	2007/05/03	mm	1 : 1	1/1	F	A-268



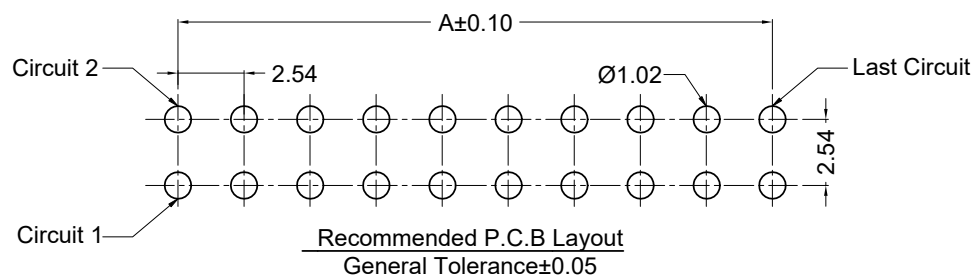
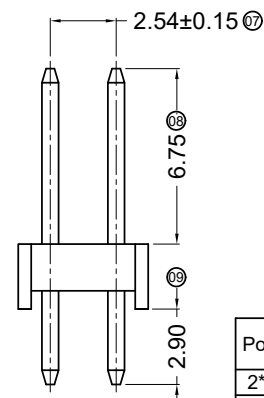
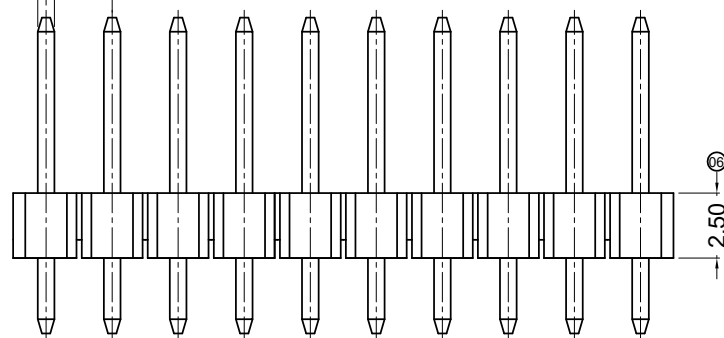
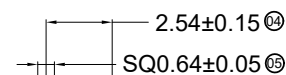
- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000\text{M}\Omega$
- Contact resistance: $\leq 20\text{m}\Omega$
- After environmental testing: $\leq 30\text{m}\Omega$
- Material(Pin):Brass
- Mates With HRS Female Header:HRS-6501FX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- 180°
- ④ Mouting Type: Blank-DIP
- ⑤ Row No.-Pin No Per Row: 2*XX-2*02P~2*40P
- ⑥ Special No.: Blank-ordinary
- ⑦ Material: 6T-PA6T 94V-0;
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black color
- ⑩ 02-11.13/5.84/2.50

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horus Int. Electronics. Co., LTD.				PART NO. HRS-6501WV-2*XX-6TV01-02									
						.X ±0.30					APPROVAL CHECK DRAWN DATE					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20														
						.XXX ±0.10														
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	X.* ±2"														
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Robing	Joshua	Jack	2018/04/09	UNIT mm	SCALE 1 : 1	SHEET 1/1	REV B	NUMBER A-268					



- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000\text{M}\Omega$
- Contact resistance: $\leq 20\text{m}\Omega$
- After environmental testing: $\leq 30\text{m}\Omega$
- Material(Pin): Brass
- Mates With HRS Female Header: HRS-6501FX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

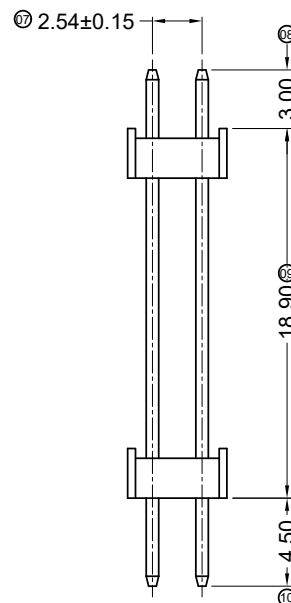
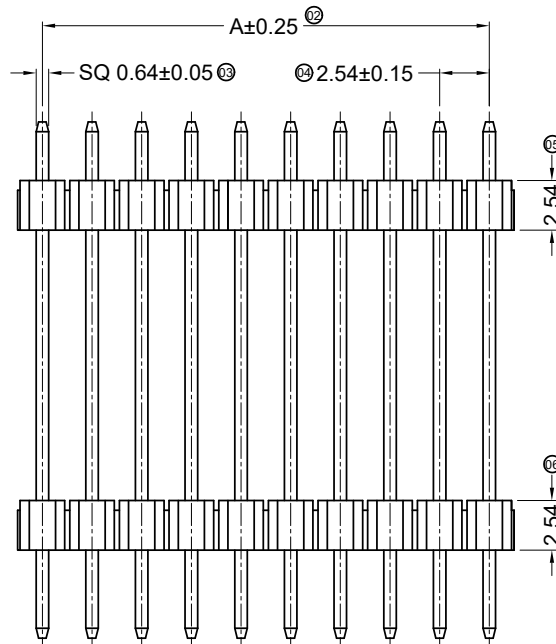
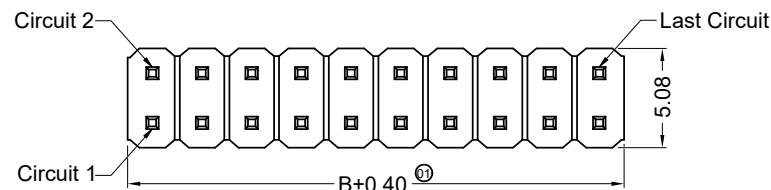
- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- 180°
- ④ Mouting Type: Blank-DIP
- ⑤ Row No.-Pin No Per Row: 2*XX-2*02P~2*40P
- ⑥ Special No.: Blank-Ordinary
- ⑦ Material: 6T-PA6T 94V-0;
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 07-6.75/2.50/2.90

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

A							GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.				PART NO. HRS-6501WV-2*XX-6TV01-07				
							.X ±0.30					TITLE 2.54 mm Pin Header connectors				
							.XX ±0.20									
							.XXX ±0.10									
								X.* ±2°	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Robing	Alan Qin	Mandy	2020/03/16	mm	1 : 1	1/1	A	A-268

RoHS

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

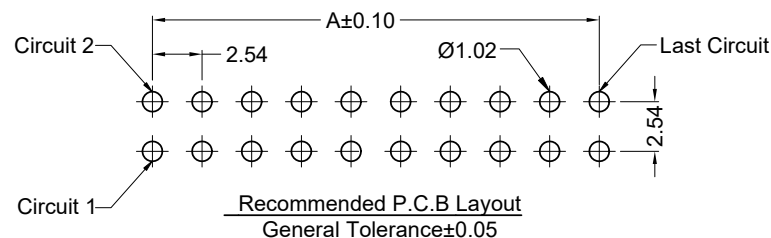
**Specifications:**

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V X - 2*XX H2 - 6T V01 XX -01

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: 2*XX-2*02P~2*40P
⑥ Special No.: H2-Double plastic
⑦ Material: 6T-PA6T 94V-0
⑧ Plating Code: V01-Gold Flash
⑨ Color: Blank-Black
⑩ 01-3.00/18.90/4.50



Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



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

PART NO.
HRS-6501WV-2*XXH2-6TV01-01

TITLE
2.54mm Pin Header connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A	A-268

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

APPROVAL

Robing

CHECK

Alan Qin

DRAWN

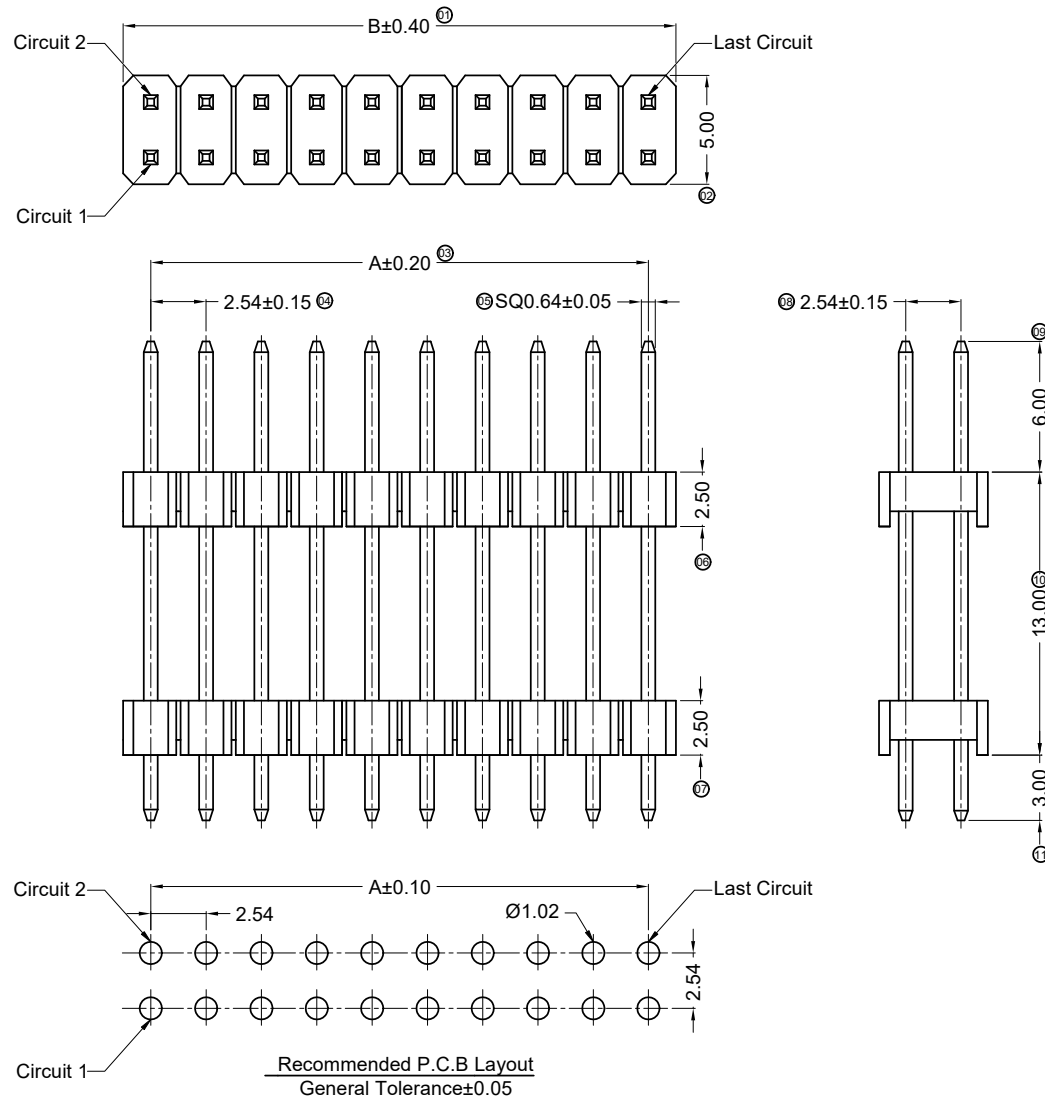
Mandy

DATE

2019/09/18

RoHS

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



Specifications:

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 20m\Omega$
- After environmental testing: $\leq 30m\Omega$
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

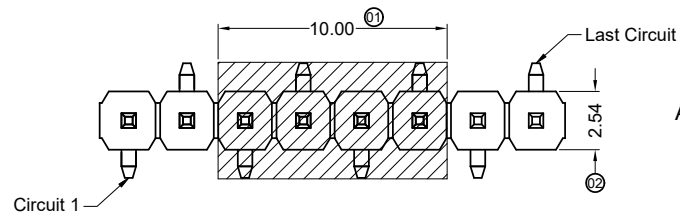
HRS-6501 W V X -2*XX H2 - 6T V01 XX - 02
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
② Category: W-Wafer
③ Connector Type: V- 180°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No Per Row: 2*XX-2*02P~2*40P
⑥ Special No.: H2-Double plastic
⑦ Material: 6T-PA6T 94V-0
⑧ Plating Code: V01- Gold Flash
⑨ Color: Blank-Black Color
⑩ 02-6.00/13.00/3.00

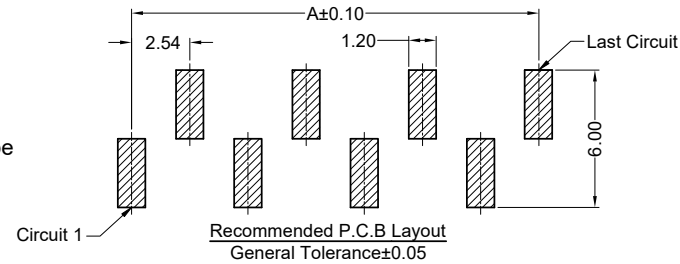
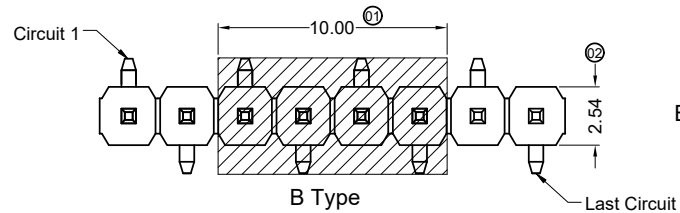
Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WV-2*XXH2-6TV01-02				
						.X ±0.30					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20									
						.XXX ±0.10	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	X.° ±2°									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Robing	Alan	Mandy	2019/10/11	mm	1 : 1	1/1	B	A-268

RoHS

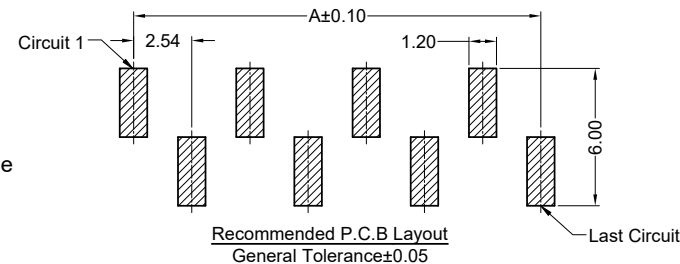
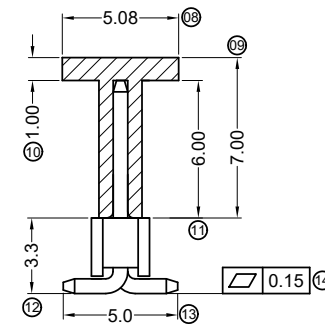
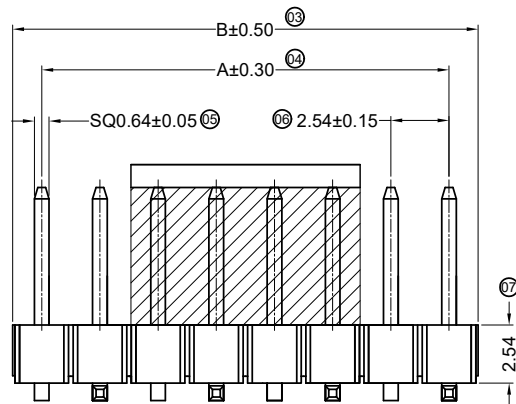
This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules

A Type

Recommended P.C.B Layout
General Tolerance±0.05

B Type

B Type

Recommended P.C.B Layout
General Tolerance±0.05

■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V S - XX XX - 6T V01 XX -02X
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

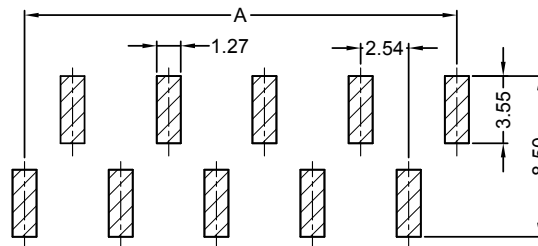
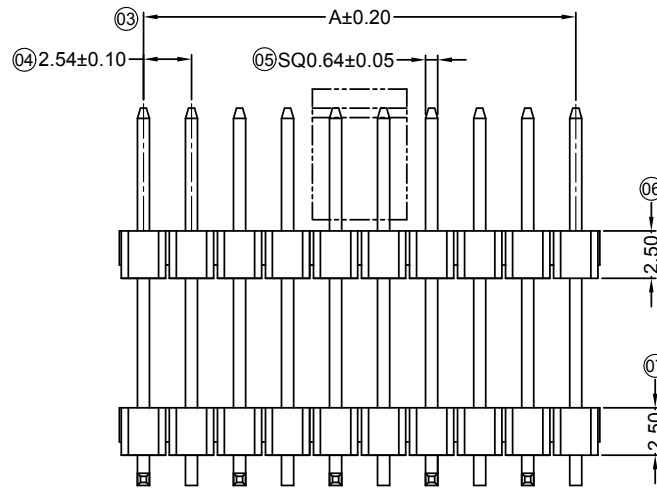
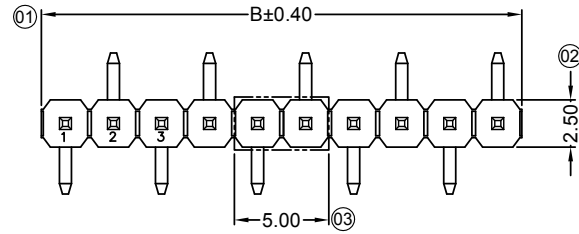
- ① Series No.
- ② Category: W-Wafer
- ③ Connector Type: V- Straight 180°
- ④ Mounting Type: S-SMT
- ⑤ Row No.-Pin No Per Row: XX-02P~40P
- ⑥ Special No.: Blank-Ordinary
- ⑦ Material: 6T-PA6T 94V-0
- ⑧ Plating Code: V01-Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 02A-6.00/2.54/5.00mm ,A type
02B-6.00/2.54/5.00mm ,B type

Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B
02	2.54	5.08	22	53.34	55.08
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60
21	50.80	53.34			

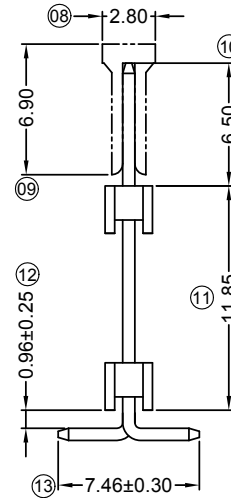
						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WVS-XX-6TV01-02X				
						.X ±0.30					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20									
						.XXX ±0.10	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	X.° ±2°					Robing	Alan Qin	Mandy	2019/09/18	mm
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



Recommended P.C.B Layout
General Tolerance±0.05



Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Material(CAP): PA6T Black Halogen Free
- Mates With HRS Wafer: HRS-6501FX

HRS-6501 W V S - XX H2 HF- 6T XX X XX -03

①②③④⑤⑥⑦⑧⑨⑩⑪⑫

- ① Series No.
- ② Category: W- Wafer
- ③ Connector Type: V-180°
- ④ Mounting Type: S-SMT
- ⑤ Row No.-Pin No. : XX-Single row
- ⑥ Special No.: H2-Double Plastic
- ⑦ HF-Halogen Free
- ⑧ Material: 6T-PA6T UL94V-0
- ⑨ Plating Category:
V01-All Area Gold Flash ; Ni: 50u" Min.
SW-Matte Tin100u" Min.; Ni: 50u" Min.
- ⑩ C-With CAP
- ⑪ Color: Balnk-Black
- ⑫ 03-6.50/11.85/7.46

Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B
02	2.54	5.08	15	35.56	38.10
03	5.08	7.62	16	38.10	40.64
04	7.62	10.16	17	40.64	43.18
05	10.16	12.70	18	43.18	45.72
06	12.70	15.24	19	45.72	48.26
07	15.24	17.78	20	48.26	50.80
08	17.78	20.32	21	50.80	53.34
09	20.32	22.86	22	53.34	55.88
10	22.86	25.40	23	55.88	58.42
11	25.40	27.94	24	58.42	60.96
12	27.94	30.48	25	60.96	63.50
13	30.48	33.02			
14	33.02	35.56			

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



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

PART NO.

HRS-6501WVS-XXH2HF-6TXXXX-03

TITLE

2.54mm PIN Header Connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A	A-213

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

APPROVAL

Robing

CHECK

Robing

DRAWN

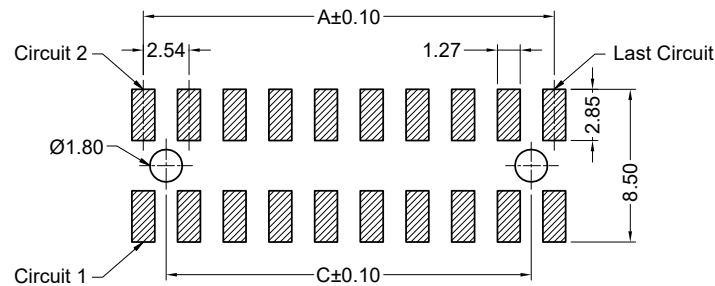
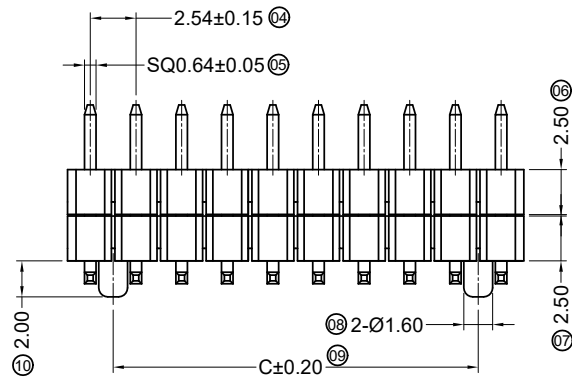
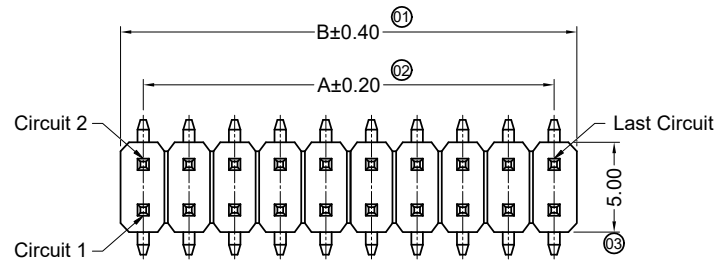
Joshua

DATE

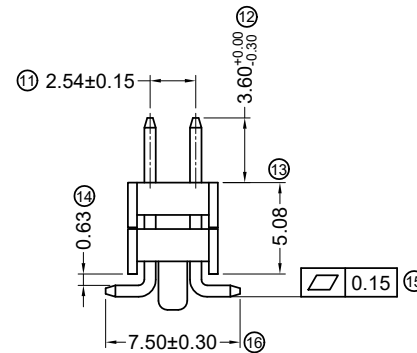
2020/04/30

RoHS

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



Recommended P.C.B Layout
General Tolerance±0.05



Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W V S - 2*XX H2P - XX V01 XX - 01

① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- 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: 2*XX-2*02P~2*40P
- ⑥ Special No.: H2-Double plastic,P-Wiht Peg
- ⑦ Material: 6T-PA6T 94V-0 ; 9T-PA9T 94V-0
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black Color
- ⑩ 01-3.60/2.50/7.50

Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
2*02	2.54	5.08		2*22	53.34	55.88	50.80
2*03	5.08	7.62	2.54	2*23	55.88	58.42	53.34
2*04	7.62	10.16	5.08	2*24	58.42	60.96	55.88
2*05	10.16	12.70	7.62	2*25	60.96	63.50	58.42
2*06	12.70	15.24	10.16	2*26	63.50	66.04	60.96
2*07	15.24	17.78	12.70	2*27	66.04	68.58	63.50
2*08	17.78	20.32	15.24	2*28	68.58	71.12	66.04
2*09	20.32	22.86	17.78	2*29	71.12	73.66	68.58
2*10	22.86	25.40	20.32	2*30	73.66	76.20	71.12
2*11	25.40	27.94	22.86	2*31	76.20	78.74	73.66
2*12	27.94	30.48	25.40	2*32	78.74	81.28	76.20
2*13	30.48	33.02	27.94	2*33	81.28	83.82	78.74
2*14	33.02	35.56	30.48	2*34	83.82	86.36	81.28
2*15	35.56	38.10	33.02	2*35	86.36	88.90	83.82
2*16	38.10	40.64	35.56	2*36	88.90	91.44	86.36
2*17	40.64	43.18	38.10	2*37	91.44	93.98	88.90
2*18	43.18	45.72	40.64	2*38	93.98	96.52	91.44
2*19	45.72	48.26	43.18	2*39	96.52	99.06	93.98
2*20	48.26	50.80	45.72	2*40	99.06	101.60	96.52
2*21	50.80	53.34	48.26				

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

/

PROJECT



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

PART NO.

HRS-6501WVS-2*XXH2P-XXV01-01

TITLE

2.54mm Pin Header connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1 : 1	1/1	A	A-268

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

APPROVAL

CHECK

DRAWN

DATE

Robing

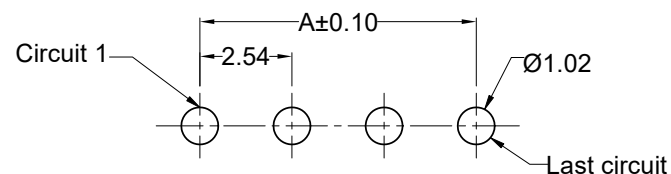
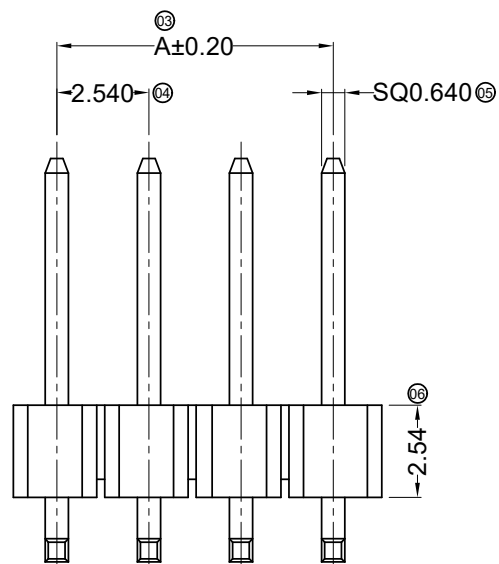
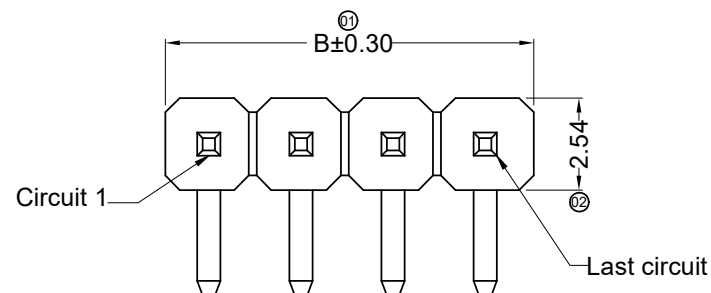
Alan Qin

Mandy

2020/03/16

RoHS

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



Recommended P.C.B Layout
General Tolerance±0.05

■ Specifications :

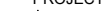
- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

HRS-6501 W R - XX X - 6T V01 XX- B

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

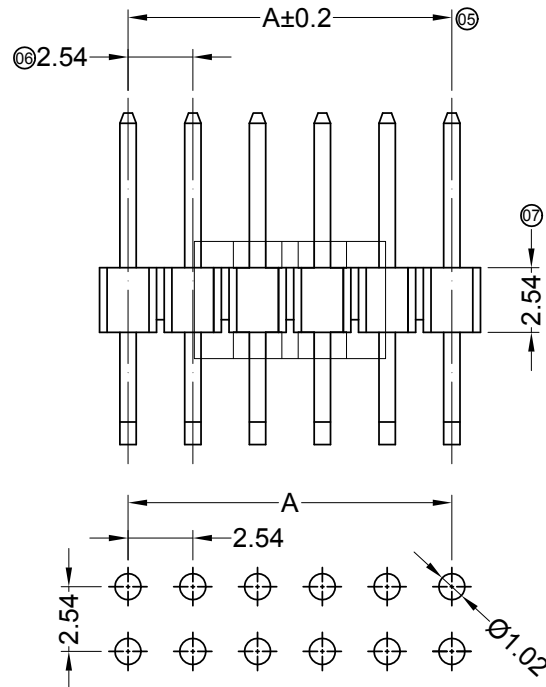
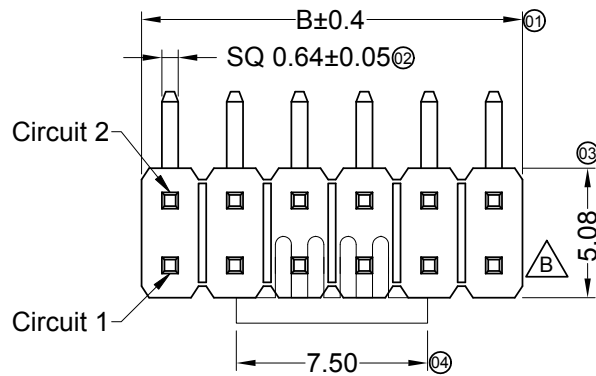
- ① Series No.
② Category: W-wafer
③ Connector Type:R-90°
④ Row No.-Pin No Per Row: XX-Single row
⑤ Special No.: Blank-ordinary
⑥ Material: 6T-PA6T 94V-0
⑦ Plating Code: V01- Gold Flash
⑧ Color: Blank-Black Color
⑩ B-6.80/2.54/2.90

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.54	21	50.80	53.34
02	2.54	5.08	22	53.34	55.88
03	5.08	7.62	23	55.88	58.42
04	7.62	10.16	24	58.42	60.96
05	10.16	12.70	25	60.96	63.50
06	12.70	15.24	26	63.50	66.04
07	15.24	17.78	27	66.04	68.58
08	17.78	20.32	28	68.58	71.12
09	20.32	22.86	29	71.12	73.66
10	22.86	25.40	30	73.66	76.20
11	25.40	27.94	31	76.20	78.74
12	27.94	30.48	32	78.74	81.28
13	30.48	33.02	33	81.28	83.82
14	33.02	35.56	34	83.82	86.36
15	35.56	38.10	35	86.36	88.90
16	38.10	40.64	36	88.90	91.44
17	40.64	43.18	37	91.44	93.98
18	43.18	45.72	38	93.98	96.52
19	45.72	48.26	39	96.52	99.06
20	48.26	50.80	40	99.06	101.60

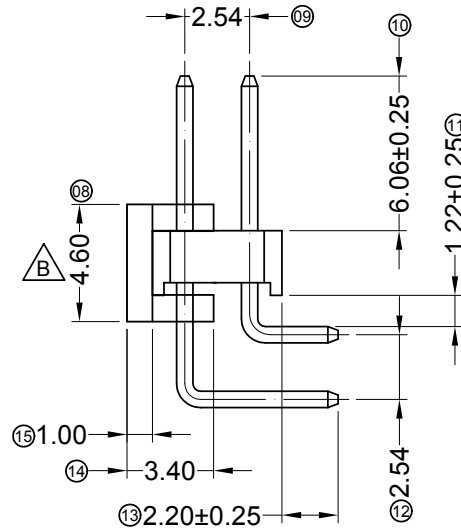
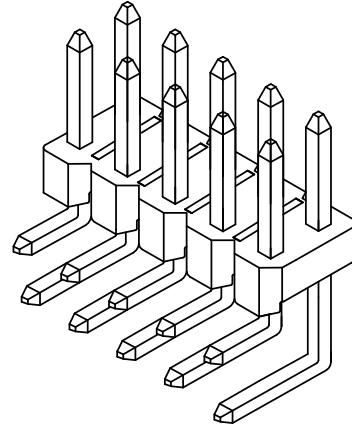
						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horus Int. Electronics. Co., LTD.				PART NO. HRS-6501WR-XX-6TV01-B				
						.X ±0.30					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20									
						.XXX ±0.10	APPROVAL	CHECK	DRAWN	DATE	UNIT				
						X.° ±2"					SCALE				
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	PROJECT 	Smark	Joshua	Luna	2013/08/16	SHEET	REV	NUMBER		
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						mm	1 : 1	1 / 1	B	A-268

RoHS

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



Recommended P.C.B Layout
General Tolerance±0.05

**Specifications :**

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin): Brass
- Material(CAP): LCP 94V-0 Black Halogen Free
- Mates With HRS-6501FX

HRS-6501 W R X-2*XX -LP XX XX -V
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
② Category: W-Wafer
③ Connector Type: R- 90°
④ Mounting Type: Blank-DIP
⑤ Row No.-Pin No.: 2*XX-Double Row
⑥ Material: LP-LCP 94V-0 Halogen Free
⑦ Plating Category:
SW-Matte Tin 100u" Min. ; Ni 50u" Min.
V01-Contact Area Gold G/F ; Solder Area G/F ; Ni 50u" Min.
⑧ Color: Blank-Black color
⑨ V-6.06/2.54/2.20

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

A

						GENERAL TOLERANCE		Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WR-2*XX-LPXXXX-V								
2020/05/19	B	ER20200520003	1.CAP width dimension update to 4.60; Remove the bottom chamfering of the CAP 2.Add Prognostic slot	Mali	Joshua	.X	±0.30					APPROVAL	CHECK	DRAWN	DATE	TITLE 2.54 mm Pin Header connectors				
						.XX	±0.20													
						.XXX	±0.10													
						X.°	±2°													
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT  				Joshua	2018/08/13	UNIT	SCALE	SHEET	REV	NUMBER				
												mm	1:1	1/1	B	A-213				
1		2		3		4		5		6		7		8						

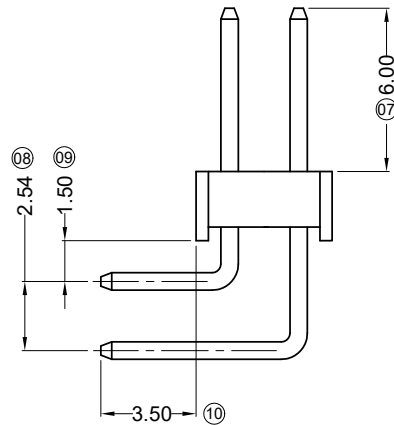
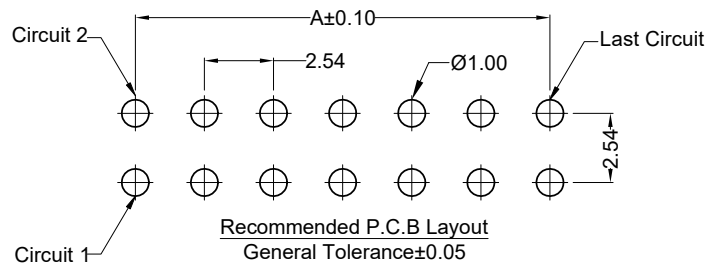
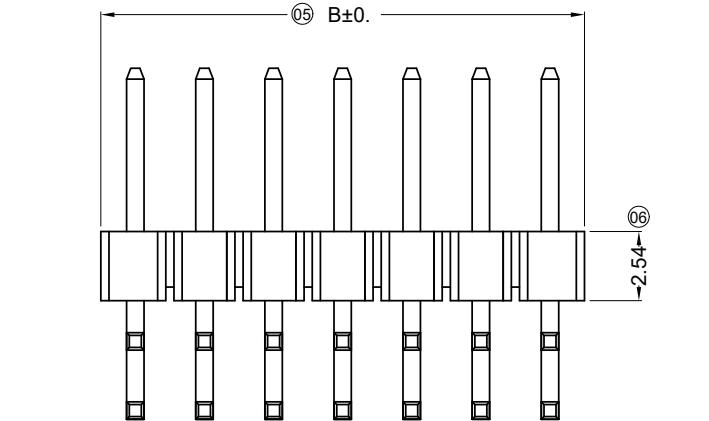
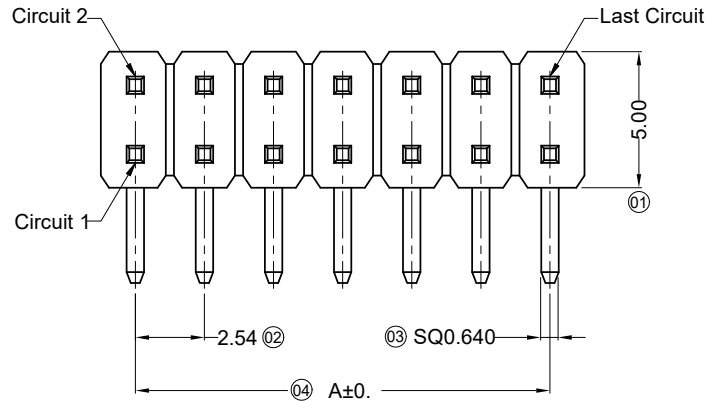


Horus Int. Electronics Co., LTD.
Horus Int. Electronics Co., LTD.

PART NO.
HRS-6501WR-2*XX-LPXXXX-V
TITLE
2.54 mm Pin Header connectors
UNIT
mm
SCALE
1:1
SHEET
1/1
REV
B
NUMBER
A-213

RoHS

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



Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤30mΩ
- Material(Pin):Brass
- Mates with HRS Female Header: HRS-6501FX

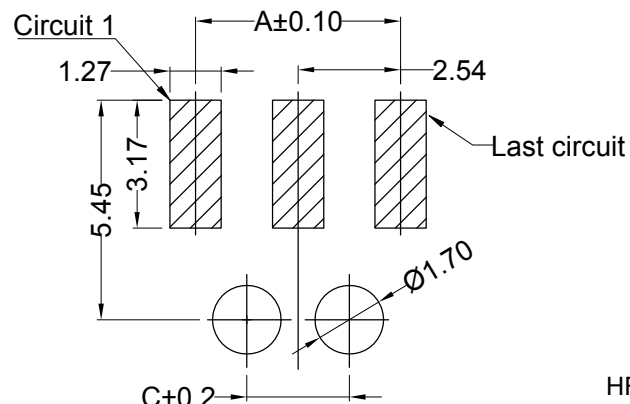
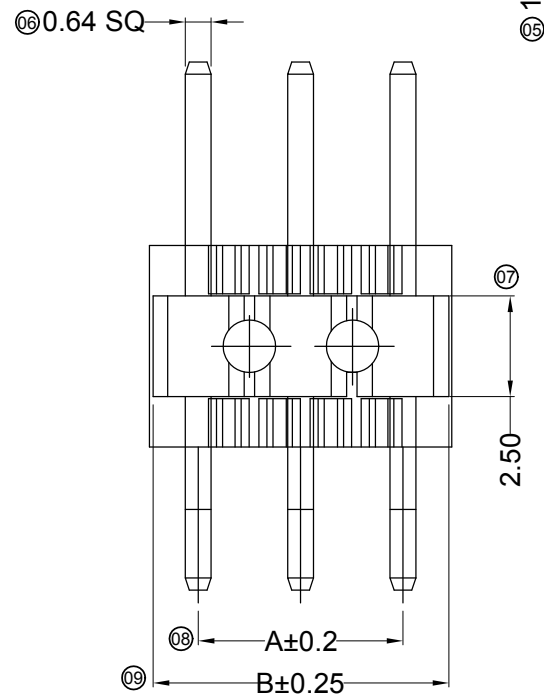
HRS-6501 W R X - 2*XX X-XX V01 XX-B

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

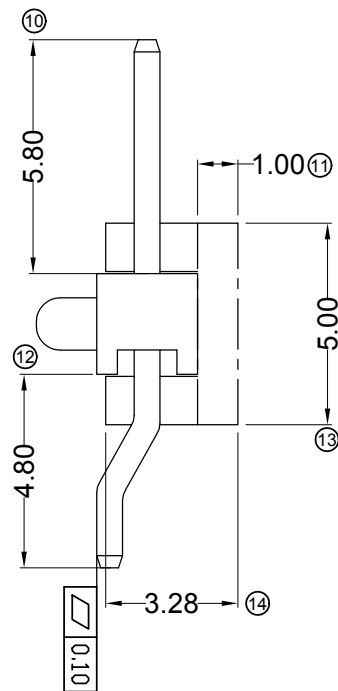
- ① Series No.
- ② Category: W-wafer
- ③ Connector Type: R- Right Angle 90°
- ④ Mounting Type: Blank-DIP
- ⑤ Row No.-Pin No Per Row: 2*XX-2*02P~2*40P
- ⑥ Special No.: Blank-ordinary
- ⑦ Material: 6T-PA6T 94V-0 ;9T-PA9T 94V-0
- ⑧ Plating Code: V01- Gold Flash
- ⑨ Color: Blank-Black color
- ⑩ B-6.00/3.50

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
2*02	2.54	5.08	2*15	35.56	38.10	2*28	68.58	71.12
2*03	5.08	7.62	2*16	38.10	40.64	2*29	71.12	73.66
2*04	7.62	10.16	2*17	40.64	43.18	2*30	73.66	76.20
2*05	10.16	12.70	2*18	43.18	45.72	2*31	76.20	78.74
2*06	12.70	15.24	2*19	45.72	48.26	2*32	78.74	81.28
2*07	15.24	17.78	2*20	48.26	50.80	2*33	81.28	83.82
2*08	17.78	20.32	2*21	50.80	53.34	2*34	83.82	86.36
2*09	20.32	22.86	2*22	53.34	55.88	2*35	86.36	88.90
2*10	22.86	25.40	2*23	55.88	58.42	2*36	88.90	91.44
2*11	25.40	27.94	2*24	58.42	60.96	2*37	91.44	93.98
2*12	27.94	30.48	2*25	60.96	63.50	2*38	93.98	96.52
2*13	30.48	33.02	2*26	63.50	66.04	2*39	96.52	99.06
2*14	33.02	35.56	2*27	66.04	68.58	2*40	99.06	101.60

						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WR-2*XX-XXV01-B				
						.X ±0.30					TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20									
						.XXX ±0.10	APPROVAL	CHECK	DRAWN	DATE					
2020/03/16	B	EN20200316005	Update Drawing Frame	Mandy	Robing	X.° ±2°									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jacky	Jacky	sylvia	2015/06/22	UNIT	SCALE	SHEET	REV	NUMBER
											mm	1 : 1	1/1	B	A-268



Recommended P.C.B Layout
General Tolerance ± 0.05



■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000\text{M}\Omega$
- Contact resistance: $\leq 20\text{m}\Omega$
- After environmental testing: $\leq 30\text{m}\Omega$
- Material(Pin): Brass
- Mates With HRS Female Header:HRS-6501FX

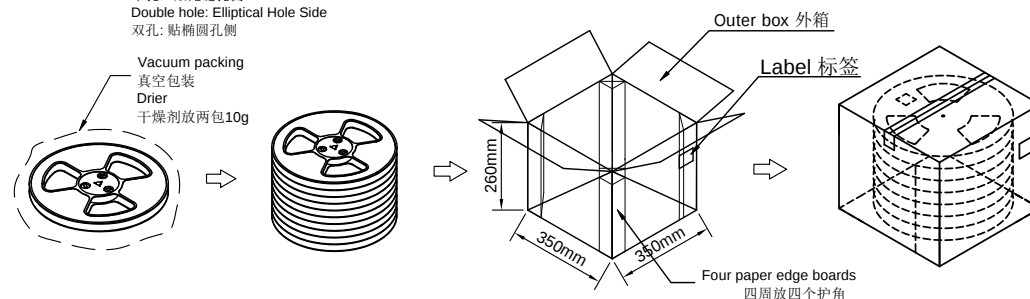
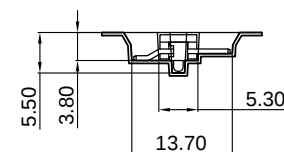
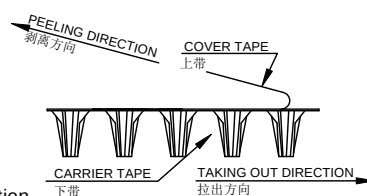
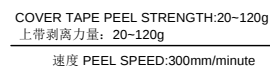
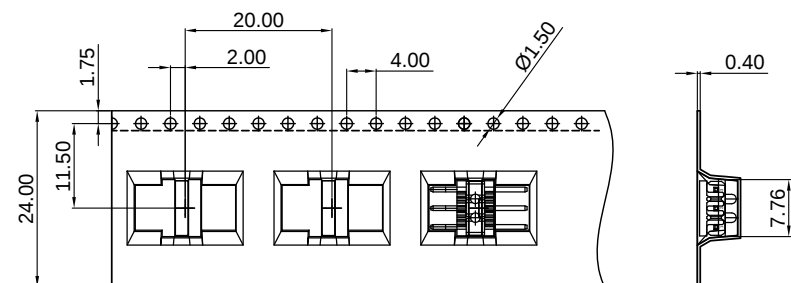
HRS-6501 W R S - XX P - 9T XXX X XX- X
 (01) (02) (03) (04) (05) (06) (07) (08) (09) (10) (11)

- ①1 Series No.
- ②2 Category: W-wafer
- ③3 Connector Type:R-90°
- ④4 Mounting Type: S -SMT
- ⑤5 Row No.-Pin No Per Row: XX-Single row
- ⑥6 Special No.: P- With Post
- ⑦7 Material.: 9T-PA9T 94V-0
- ⑧8 Plating Code: V01- All Area Gold Flash; Ni 50"Min.
G30-Contact Area Au 30u" Min.;
Solder Area Matte Tin100"Min.;Ni 50"Min.
- ⑨9 C- With CAP Blank-Without CAP
- ⑩10 Color: Black-Black Color
- ⑪11 01-5.80/2.50/4.80

Pin位	尺寸 (mm)			Pin位	尺寸 (mm)		
	A	B	C		A	B	C
01	--	2.26	--	11	25.40	27.66	22.86
02	2.54	4.80	--	12	27.94	30.20	25.40
03	5.08	7.34	2.54	13	30.48	32.74	27.94
04	7.62	9.88	5.08	14	33.02	35.28	30.48
05	10.16	12.42	7.62	15	35.56	37.82	33.02
06	12.70	14.96	10.16	16	38.10	40.36	35.56
07	15.24	17.50	12.70	17	40.64	42.90	38.10
08	17.78	20.04	15.24	18	43.18	45.44	40.64
09	20.32	22.58	17.78	19	45.72	47.98	43.18
10	22.86	25.12	20.32	20	48.26	50.52	45.72

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-6501WRS-XXP-9TV01C-01								
						.X ±0.30					APPROVALCHECKDRAWNDATE				TITLE 2.54 mm Pin Header connectors				
						.XX ±0.20													
						.XXX ±0.10													
						X.° ±2°	PROJECT 												
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		Robing	Joshua	Rick	2020/02/24	UNIT	SCALE	SHEET	REV	NUMBER				
											mm	1:1	1/1	A	A-013				

包装图



1. Carrier Camber Is Within 1mm In 100mm ; 带长100mm内容许弯曲度1mm
2. 10 Sprocket Hole Pitch Cumulative Tolerance ± 0.2 MM ; 圆孔十个孔距离累计允许公差为 ± 0.2 mm
3. Material for PS ; 材质为PS材质; Color颜色:透明色
4. bracer保护带: Color颜色:Nature透明; 厚度0.40mm最小
5. Thickness=0.40 ± 0.05 ; 材料厚度为0.40 ± 0.05 mm
6. Cover Tape上带: 冷封
7. Carton material纸箱材质:K=K; Carton Thickness纸箱厚度: 6~7mm

HRS-ZD6501WRS-XXPHF HRS-6501WRS-XXP-9TV01C-01	Part No.	W	S	F	T (MAX)	G(MAX)	REEL /PCS	CARTON /R	CARTON /PCS
	HRS-ZD6501WRS-03PHF	24	/	11.50	28.50	24.40	500	8R	4000

						一般公差	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				料号: PPN:HRS-6501WRS-XXP-9TV01C-01 CTN: HRS-ZD6501WRS-XXPHF				
						.X ±0.35					名称: 2.54mm Header 90° Package				
						.XX ±0.25									
						.XXX ±0.15									
						X° ±0.2°	核 准	审 查	制 作	日 期	单位	比例	页次	版本	编号
日期	版次	变更编号	变更内容说明	变更人	核 准	 视 角	Robing	Robing	Mali	2020/04/28	MM	1 : 1	1/1	A	A-013