

RoHS

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

RD-1

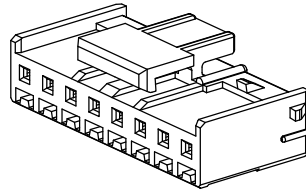
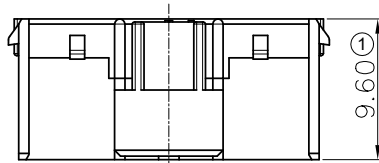
Poles	Dimensions/mm		
	A	B	C
2	2.50	5.50	4.10
3	5.00	8.00	6.60
4	7.50	10.50	9.10
5	10.00	13.00	11.60
6	12.50	15.50	14.10
7	15.00	18.00	16.60
8	17.50	20.50	19.10
9	20.00	23.00	21.60
10	22.50	25.50	24.10
11	25.00	28.00	26.60
12	27.50	30.50	29.10
13	30.00	33.00	31.60
14	32.50	35.50	34.10
15	35.00	38.00	36.60

■ Specifications

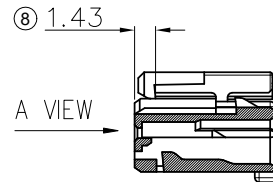
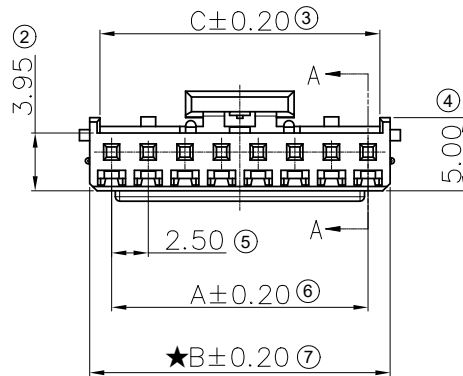
- Voltage Rating: 50V AC/DC
- Withstanding Voltage: 1000V AC/Minute
- Temperature Range: -40°C~+125°C
- Insulation Resistance: 100M Ω Min./500V DC/Minute
- Mates With HRS Terminal: HRS-2512TX-XXX
- Mates With HRS TPA: HRS-C2512-XX
- Mates With HRS Wafer: HRS-2512WX-XX
- Product Specification: PS-HRS2512-01 or PS-HRS-2512-02
- Packaging Drawing: PK-HRS-2512H-XX-NOHFNC
- Symbols for SPC Dimensions: ★

HRS-2512 H -XX -NOHF NC
① ② ③ ④ ⑤

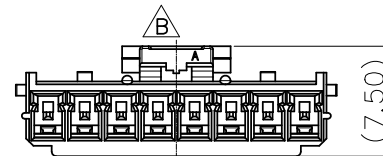
- ① Series No.: HRS-2512
② Connector Type: H-Housing
③ Row No.-Pin No: XX-Single Row 02~15Pin
④ Plastic Material: NO-PA66 (UL94-V0)
HF-Halogen Free
⑤ Color: NC-Natural



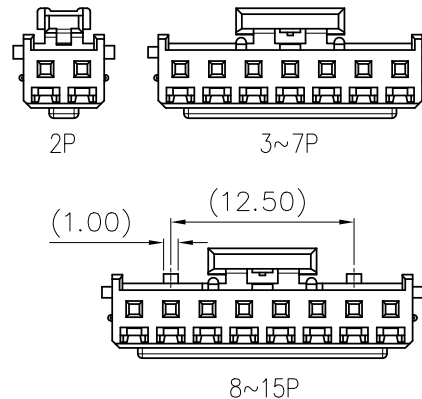
B VIEW



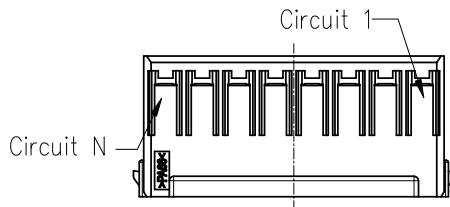
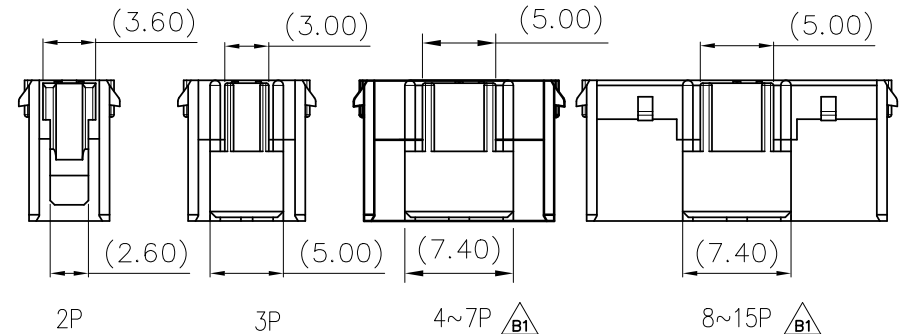
SECTION A-A



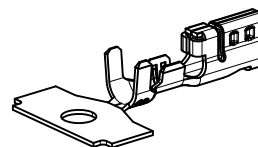
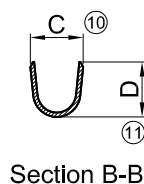
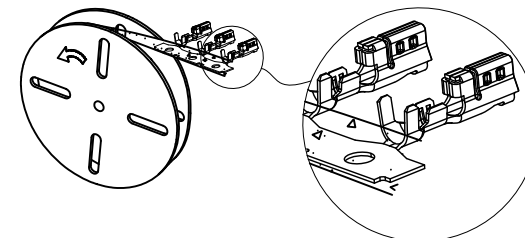
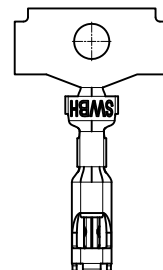
A VIEW



B VIEW



20221116	B1	/	Correct incorrect expressions	Sylvia	Larry	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				PART NO.				
20210122	B	ER120210122005	Modify the SWB Logo	Cai Zhao	John Yang						HRS-2512H-XX-NOHFNC				
20200218	A	/	Initial release	Cai Zhao	John Yang						TITLE				
											2.50 WTB CONN. Housing				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	 Jason Huang	John Yang	Cai Zhao	2020/02/18	UNIT	SCALE	SHEET	REV	NUMBER	
										mm	2:1	1/1	B1	A-000	



- Specifications:
 - Current Rating: 2.5A AC/DC(0.22mm² Wire)
3A AC/DC(0.35mm² Wire)
3.5A AC/DC(0.5mm² Wire)
 - Temperature Range: -40°C~+125°C
 - Contact Resistance: ≤10mΩ(Initial)
≤20mΩ(After Testing)
 - Mates With HRS Housing: HRS-2512H-XX
 - Packaging Drawing: PK-HRS-2512TX-XXX
 - Product Specification: PS-HRS-2512-02
 - Symbols for SPC Dimensions: ★

HRS-2512 T X - H Y2 B
 (1) (2) (3) (4) (5) (6)

- ① Series No.: HRS-2512
- ② Category:T-Terminal
- ③ Shape:L-Low Feet ; H-High Feet
- ④ Material:H-High conductivity copper
- ⑤ Plating Code:
Y2-40~120u"(1~3um) TIN
- ⑥ Plating Process:
B-Stamping After Plating

HRS-2512TH-HY2B	AWG#22~20 (0.35~0.5mm ²)	1.50~1.80mm	1.90	2.05	2.90	2.50
HRS-2512TL-HY2B	AWG#24 (0.22mm ²)	1.28~1.42mm	1.30	1.40	2.40	2.50
Part N0.	Wire Range	Insulation O.D.	Dim.A	Dim.B	Dim.C	Dim.D

						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horus Int. Electronics. Co., LTD.				PART NO. HRS-2512TX-HY2B								
20220815	A1	/	Increase the terminal clip size	Wangcheng	John Yang	.X ±0.35					APPROVAL				TITLE 2.50 WTB CONN. Terminal				
						.XX ±0.25													
						.XXX ±0.15													
20200218	A	/	Initial release	Cai Zhao	John Yang	X.° ±2°					UNIT	SCALE	SHEET	REV	NUMBER				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		Jason Huang	John Yang	Cai Zhao	2020/02/18	mm	3:1	1/1	A1	A-000				

- Current Rating: 2A AC/DC(0.13mm² Wire)
2.5A AC/DC(0.22mm² Wire)
3A AC/DC(0.35mm² Wire)
3.5A AC/DC(0.5mm² Wire)
- Temperature Range:
-40°C~+105°C(Phosphor Bronze)
-40°C~+125°C(High conductivity copper)
- Contact Resistance:≤10mΩ(Initial)
≤20mΩ(After Testing)
- Mates With HRS Housing: HRS-2512H-XX
- Packaging Drawing: PK-HRS-2512TX-XXX
- Product Specification: PS-HRS-2512-01
- Symbols for SPC Dimensions:★

Note:

1. Material mark:

" HRS " represent C7025

" HRS" represent Phosphor bronze

HRS-2512 T X-X XXX
 (1) (2) (3) (4) (5)

- ① Series No.: HRS-2512
- ② Category:T-Terminal
- ③ Barrel Type:L-Low Feet ; H-High Feet
- ④ Material:P-Phosphor Bronze; H-High conductivity copper
- ⑤ Plating code:
SN1-Underplate Ni 40~120u"(1~3um) ;
Top plating Sn 80~200u"(2~5um)
G5-Contact area gold 5u"Min.
Underplate Ni 40~120u"(1~3um) ;

Table:

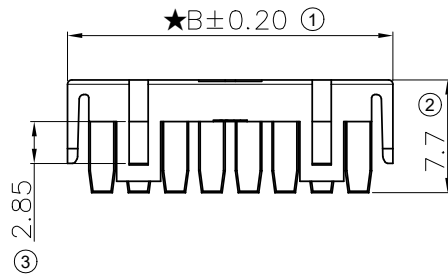
HRS-2512TH-HXXX	AWG#22~20 (0.35~0.5mm ²)	1.50~1.80mm	1.90	2.05	2.90	2.50
HRS-2512TH-PXXX						
HRS-2512TL-HXXX	AWG#26~24 (0.13~0.22mm ²)	1.28~1.42mm	1.30	1.40	2.40	2.50
HRS-2512TL-PXXX						
Part N0.	Wire Range	Insulation O.D.	Dim.A	Dim.B	Dim.C	Dim.D

A	20220815	A2	/	Increase the terminal clip size	Wangcheng	Larry Yang	GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horus tech Electronics. Co., LTD.				PART NO. HRS- 2512TX-XXXX				
	20220507	A1	/	New plating specifications	Wangcheng	Larry Yang	.X ±0.35					TITLE 2.50 WTB CONN. Terminal				
	20200218	A	/	Initial release	Cai Zhao	John Yang	.XX ±0.25									
								.XXX ±0.15	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jason Huang	John Yang	Cai Zhao	2020/02/18	mm	3:1	1/1	A2	A-000

RoHS

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

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Poles	Dimensions/mm		Poles	Dimensions/mm	
	A	B		A	B
2	2.50	7.20	9	20.00	24.70
3	5.00	9.70	10	22.50	27.20
4	7.50	12.20	11	25.00	29.70
5	10.00	14.70	12	27.50	32.20
6	12.50	17.20	13	30.00	34.70
7	15.00	19.70	14	32.50	37.20
8	17.50	22.20	15	35.00	39.70

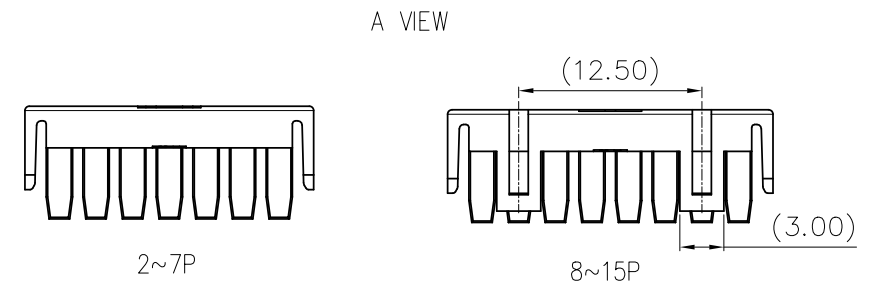
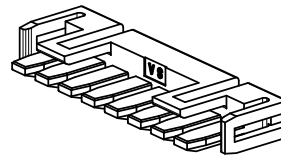
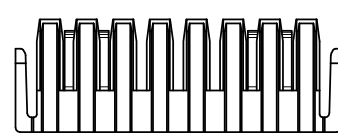
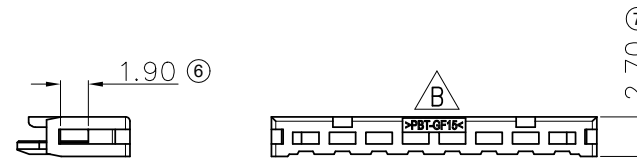
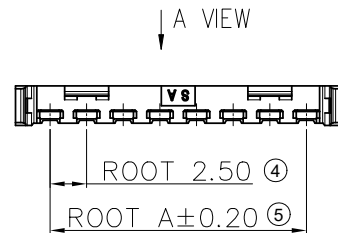
■ Specifications

- Voltage Rating: 50V AC/DC
- Withstanding Voltage: 1000V AC/Minute
- Temperature Range: -40°C~+125°C
- Insulation Resistance: 100M Ω Min./500V DC/Minute
- Mates With HRS Housing: HRS-2512H-XX
- Packaging Drawing: PK-HRS-C2512-XX-PTXX
- Symbols for SPC Dimensions: ★

HRS-C 2512 - XX - PT XX

① ② ③ ④ ⑤ B

- ① Connector Type: C-TPA
② Series No.: HRS-2512
③ Row No.-Pin No.: XX-Single Row 02~15Pin
④ Plastic Material: PT-PBT-GF
⑤ Color: BK-Black; GY-Gray



A	20210304	B	EN120210304001	Add the color "gray" and material mark	Cai Zhao	John Yang	GENERAL TOLERANCE		Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.				PART NO. HRS-C2512-XX-PTXX				
							.X	±0.35					TITLE 2.50 WTB CONN. TPA				
	20200218	A	/	Initial release	Cai Zhao	John Yang	.XXX	±0.15	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT	±2°	Jason Huang	John Yang	Cai Zhao	2020/02/18	mm	2:1	1/1	B	A-000

RoHS

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

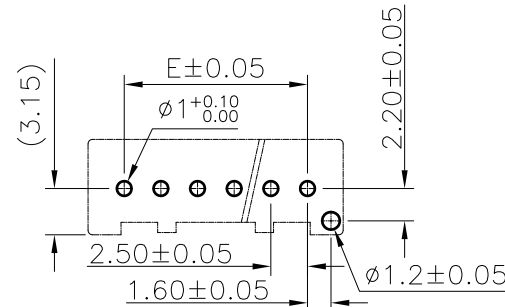
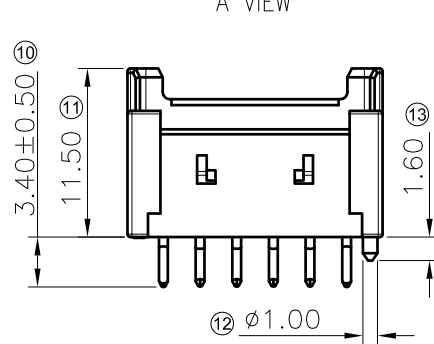
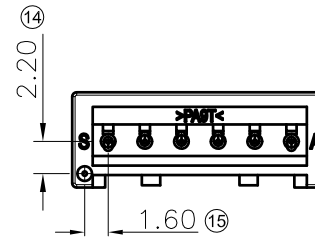
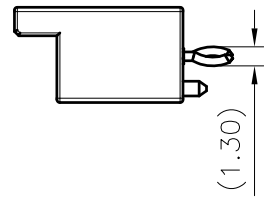
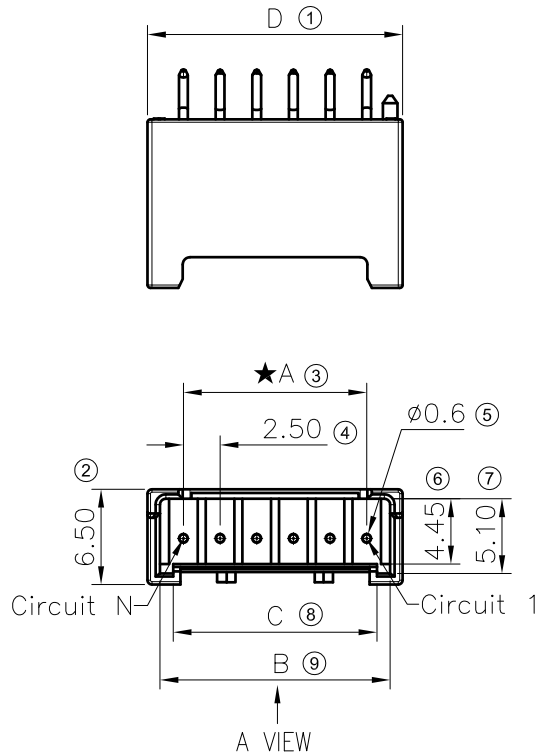
Poles	Dimensions/mm				
	A	E	B	C	D
2	2.50	5.70	3.90	7.40	
3	5.00	8.20	6.40	9.90	
4	7.50	10.70	8.90	12.40	
5	10.00	13.20	11.40	14.90	
6	12.50	15.70	13.90	17.40	
7	15.00	18.20	16.40	19.90	
8	17.50	20.70	18.90	22.40	
9	20.00	23.20	21.40	24.90	
10	22.50	25.70	23.90	27.40	
11	25.00	28.20	26.40	29.90	
12	27.50	30.70	28.90	32.40	
13	30.00	33.20	31.40	34.90	
14	32.50	35.70	33.90	37.40	
15	35.00	38.20	36.40	39.90	

HRS-2512 W V X-XX P-9T SW1 N I
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.: HRS-2512
② Category:W-Wafer
③ Connector Type:V-Straight 180°
④ Mounting Type:Blank-DIP
⑤ Row No.-Pin No.:XX-02~15Pin
⑥ Special No.:P-With a post
⑦ Plastic Material:9T-PA9T UL94V-0
⑧ Planting Code:SW1-Matte Tin
Underplate:Ni 40~120u"(1~3um) overall
Top Plating:Sn 80~200u"(2~5um) overall
⑨ Color:N-Natural
⑩ Packing:T-Tray

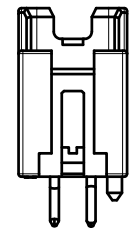
■ Specifications:

- Voltage Rating:50V AC/DC
- Current Rating:3.5A AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance: $\leq 10m\Omega$ (Initial)
 $\leq 20m\Omega$ (After Testing)
- Mates With Housing: HRS-2512H-XX
- Product Specification:PS-HRS-2512-01 or PS-HRS-2512-02
- Packaging Drawing:PK-HRS-2512WV-XXP-9TSW1NT
- Symbols for SPC Dimensions:"★"

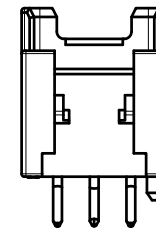


Recommended P.C.B Layout(T=1.6mm)

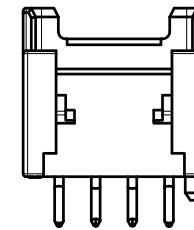
A VIEW (Lock configuration)



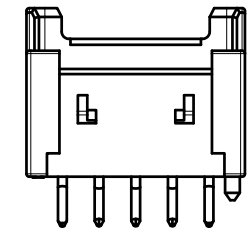
2 Pin



3 Pin



4 Pin



5~15 Pin

A	20220424	A1	/	Modify the LAYOUT	Wangcheng	Larry Yang
	20200610	A	/	Initial release	Cai Zhao	John Yang
DATE	REV	ECN NO.		DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE

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

PROJECT

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

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	John Yang	Cai Zhao	2020/06/10

PART NO.
PK-HRS-2512WV-XXP-9TSW1NTTITLE
2.5 W/B CONN
WAFER ASSY WITH KINK

UNIT	SCALE	SHEET	REV	NUMBER
mm	2:1	1/1	A1	A-000

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

Poles	Dimensions/mm				
	A	E	B	C	D
2	2.50		5.70	3.90	7.40
3	5.00		8.20	6.40	9.90
4	7.50		10.70	8.90	12.40
5	10.00		13.20	11.40	14.90
6	12.50		15.70	13.90	17.40
7	15.00		18.20	16.40	19.90
8	17.50		20.70	18.90	22.40
9	20.00		23.20	21.40	24.90
10	22.50		25.70	23.90	27.40
11	25.00		28.20	26.40	29.90
12	27.50		30.70	28.90	32.40
13	30.00		33.20	31.40	34.90
14	32.50		35.70	33.90	37.40
15	35.00		38.20	36.40	39.90

RD-1

① Series No.: HRS-2512

② Category:W—Wafer

③ Connector Type: R—Right angle 90°

④ Mounting Type: Blank-DIP

⑤ Row No.-Pin No.:XX-02~15Pin

⑥ Plastic Material: 9T-PA9T UL94V-0

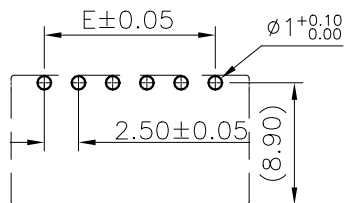
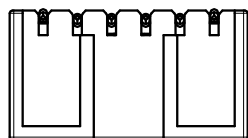
⑦ Planting Code:SW1-Matte Tin

Underplate: Ni 40~120 μ "(1~3 μ m) overall

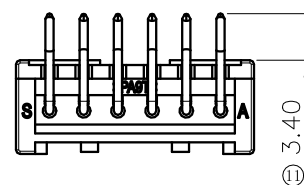
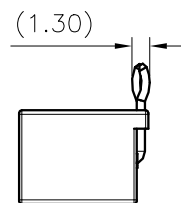
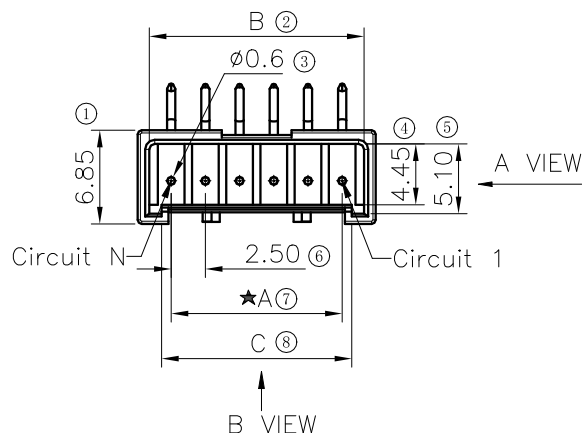
Top Plating: Sn 80~200 μ "(2~5 μ m) overall

⑧ Color: N—Natural

⑨ Packing:T-Tray

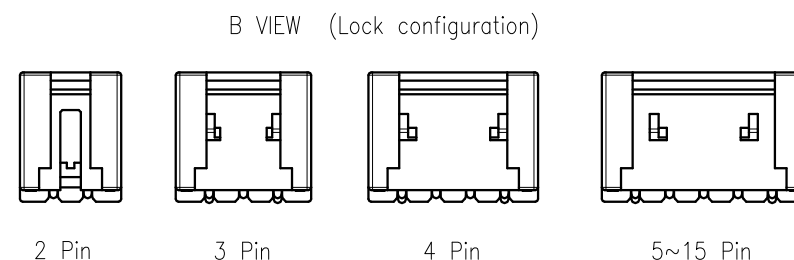
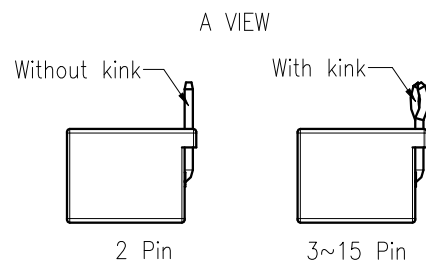
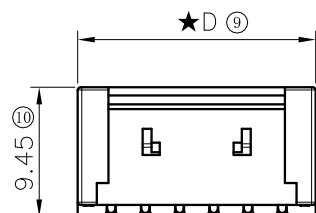


Recommended P.C.B Layout(T=1.6mm)



- Specifications:

- Voltage Rating:50V AC/DC
- Current Rating:3.5A AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance:<10m Ω (Initial)
<20m Ω (After Testing)
- Mates With Housing:HRS-2512H-XX
- Product Specification:PS-HRS-2512-01 or PS-HRS-2512-02
- Packaging Drawing:PK-HRS-2512WR-XX-9T5W1NT
- Symbols for SPC Dimensions:"★"



						GENERAL TOLERANCE				Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.				PART NO. HRS-2512WR-XX-9TSW1NT				
						.X ±0.35								TITLE 2.5 W/B CONN WAFER ASSY RIGHT ANGLE WITH KIN				
						.XX ±0.25												
						.XXX ±0.15												
20200610	A	/	Initial release	Cai Zhao	John Yang	X° ±2°				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 				Jason Huang	John Yang	Cai Zhao	2020/06/10	mm	2:1	1/1	A	A-000