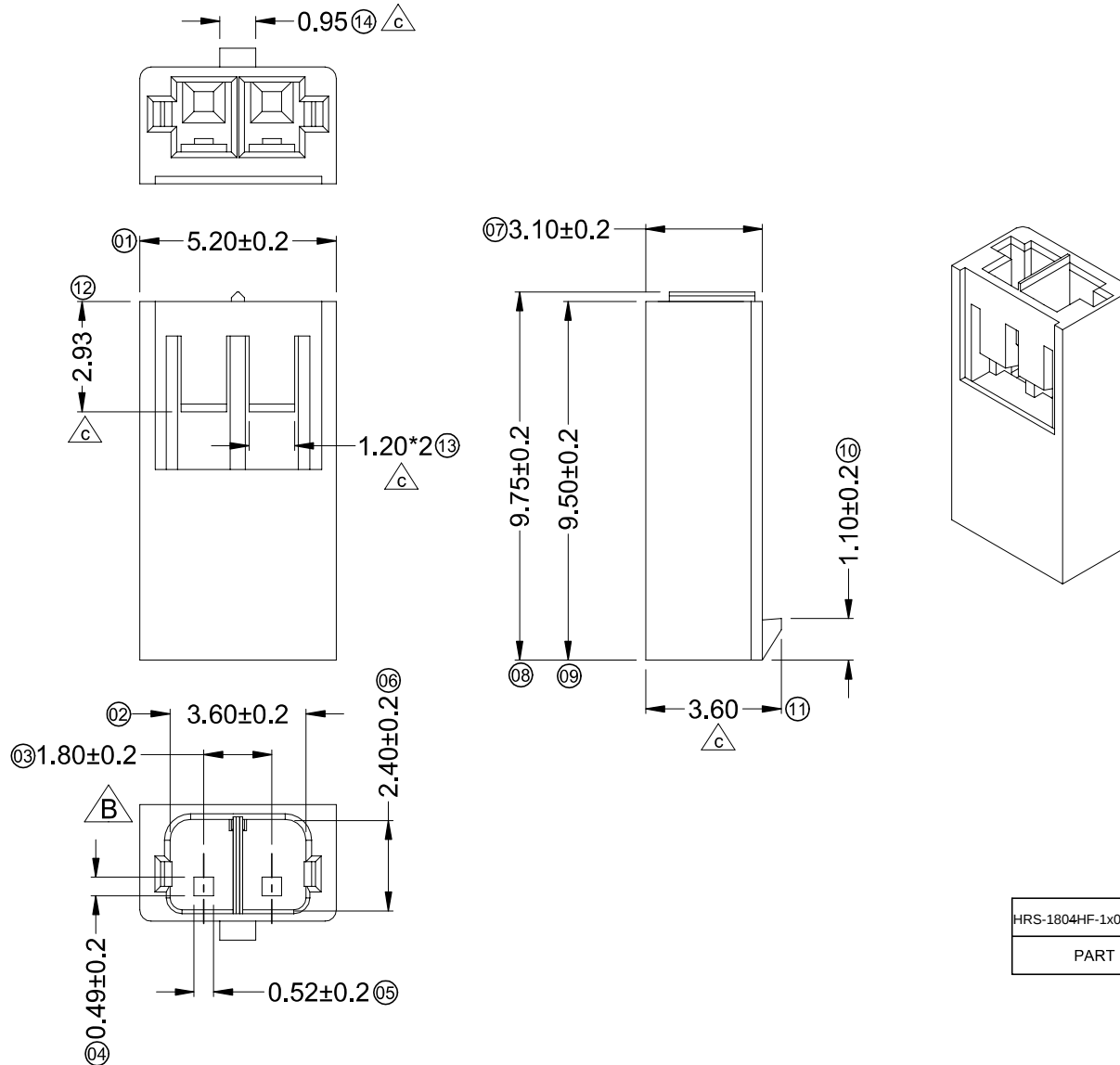


RoHS

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



Specifications :

- Voltage rating: 350V AC / DC
- Current rating: 4A AC / DC
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ

HRS-1804 H F - 1x02 - N0 X B H 01 Q

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

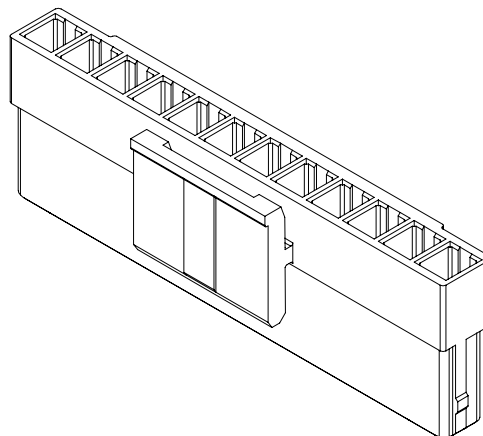
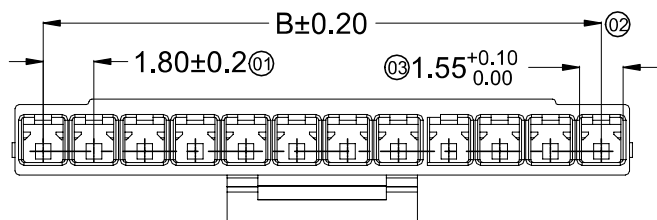
- ① Series No.
- ② Category: H-HSG
- ③ Product form: F-Female HSG
- ④ Row No.-Pin No.: 1x02-02P
- ⑤ Material: N0-PA66 94V-0
- ⑥ Colour: N-True color B-Black color
- ⑦ Packing: B-Bag
- ⑧ Green code: H-Halogen-free R-Rohs
- ⑨ Water code: 01
- ⑩ Special code
- F---Other Connectors Q---Automotive Connecto

HRS-1804HF-1x02-NONBH01Q	Nylon 66 UL 94V-0 Halogen-Free	HRS-1804TM-B03S-01Q	HRS-1800H-02A/1800T-XX-A
PART N0	Material	Suitable HRS Terminal	Suitable HRS Housing

2023/08/19	D		Update Drawing Frame	LXZ	Larry Yang	GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-1804HF-1x02-N0XBH01Q				
2020/06/01	C		Add Lock Dim for 11,12,13,14	Joshua	Joshua	.X ±0.35					TITLE				
2019/05/10	B	EN20200417001	Update the drawing according to the material object	Yangmeng	Joshua	.XX ±0.25					1.80mm Crimp Style Connectors				
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL	.XXX ±0.15					UNIT SCALE SHEET REV NUMBER				
						X.° ±2°	PROJECT	Jack Zhang	Larry Yang	Oneh	2018/08/15	mm	1:1	1/1	D A-022

RoHS

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

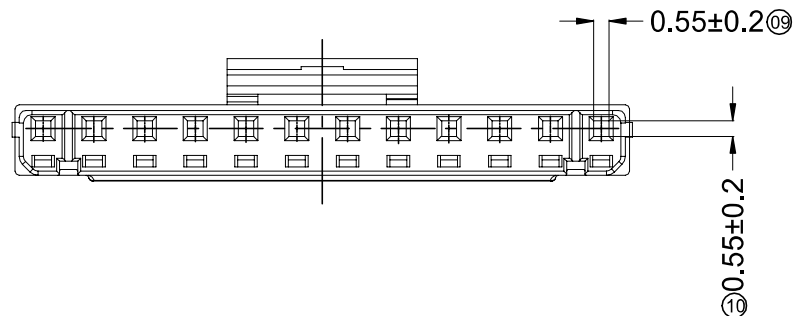
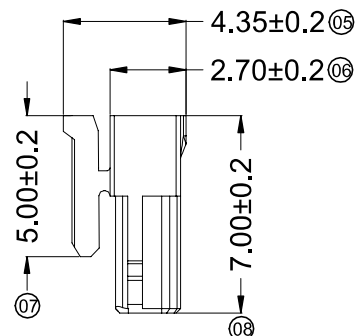
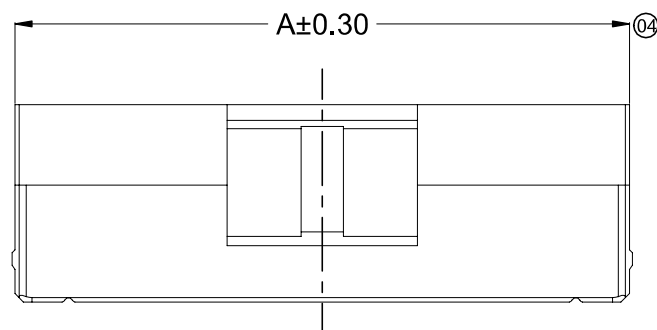


■ Specifications :

- Voltage rating: 350V AC / DC
- Current rating: See the table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Mates With HRS Terminal HRS-1804TF
- Mates With HRS Wafer HRS-1804WRS

HRS-1804 H M - XX - N0 X B H 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
② Category: H-HSG
③ Product form: M-Male HSG
④ Row No.-Pin No.: 1xXX-Single Row
⑤ Material: N0-PA66 94V-0
⑥ Colour: B-Black N-Nature
⑦ Packing: B-Bag
⑧ Green code: H-Halogen-free R-Rohs
⑨ Water code: 01
⑩ Special code
Q---Automotive Connecto



PIN位	尺寸(mm)		Current rating		
	A	B	22#	24#	26#
03	5.60	3.60			
04	7.40	5.40			
05	9.20	7.20			
06	11.00	9.00	4.5A	4A	2A
07	12.80	10.80			
08	14.60	12.60			
09	16.40	14.40			
10	18.20	16.20			
11	20.00	18.00			
12	21.80	19.80	3.5A	2A	2A

						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horus Int. Electronics. Co., LTD.				PART NO. HRS-1804HM-XX-N0XBH01Q				
						.X ±0.35					TITLE 1.80mm Crimp Style Connectors				
						.XX ±0.25									
						.XXX ±0.15	APPROVAL	CHECK	DRAWN	DATE	UNIT SCALE SHEET REV NUMBER				
						X.° ±2"									
2023.08.21	B		Update Drawing Frame	LXZ	Larry Yang	PROJECT 	Jack Zhang	Larry Yang	Joshua	2018/11/24	mm	1:1	1/1	B	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

- Specifications :

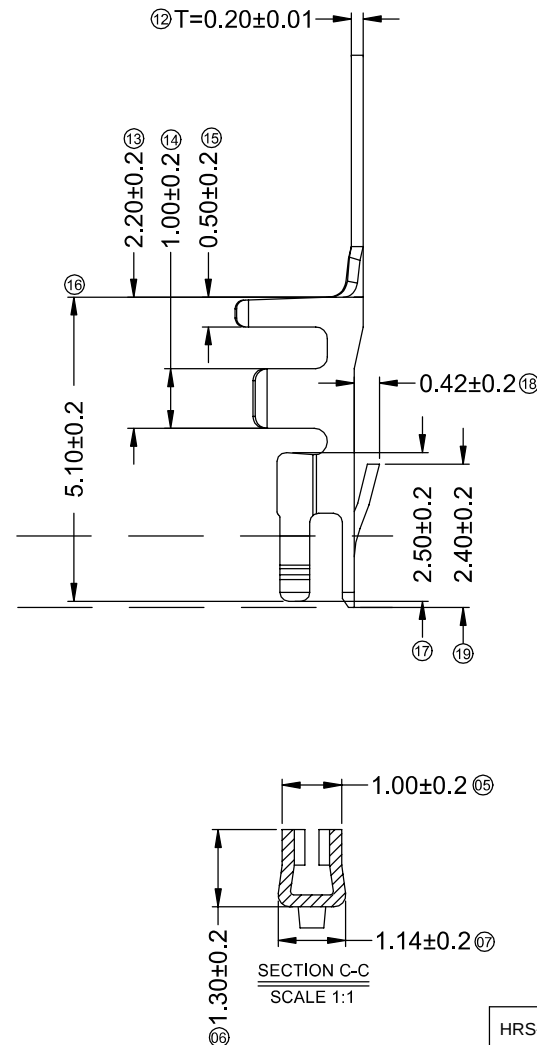
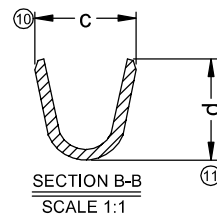
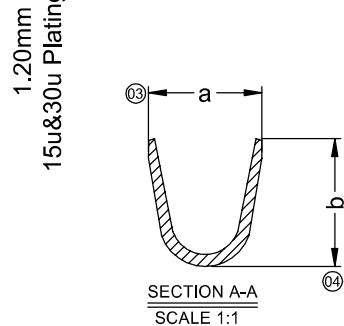
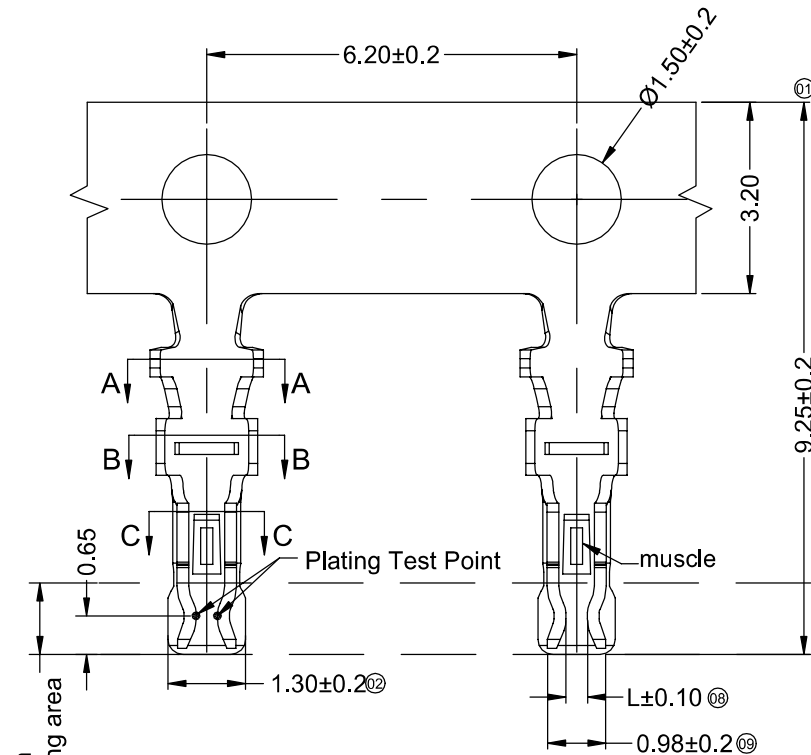
- Voltage rating: 350V AC / DC
- Current rating: See Table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$
- Wire Range: See Table below
- Insulation O.D: See Table below
- Mates With HRS Housing: HRS-1804HM

HRS-1804 T F X - P XX S L - 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No
- ② Category: T-terminal
- ③ Shape: F-Female Terminal
- ④ Product form: Blank-ordinary
- ⑤ Material:P-Phosphor Bronze
- ⑥ Plating Code:
 - 03-All Area Sn100μ"Min.; Ni 50μ"Min.
 - 10-All Area gold 0.8u"Min.;Ni 50u" Min.
 - 12-Contact Area gold 15u"Min.;
Other Area gold 0.8u"Min.; Ni 50u" Min.
 - 13-Contact Area gold 30u"Min.;
Other Area gold 0.8u"Min.; Ni 50u" Min.
- ⑦ Plating method: S-Stamping before plating
- ⑧ High and low feet: L= Lower
- ⑨ Sequence Number:
 - 01-Grip size L-0.36mm
 - 02-Grip size L-0.30mm
- ⑩ Special code: Q—Automotive Connectors

PIN	Current ratings	
	26#	28#
06P	2A	2A
12P	2A	2A

HRS-1804TF-PXXSL-XXQ	AWG#26-28 UL3266	1.20~1.30mm	1.70	1.95	1.00	1.10
PART No.	Wire Size	Insulation O.D.	DIM a	DIM b	DIM c	DIM d



23.08.21	F2	/	Update Drawing Frame	LXZ	Larry Yang	GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-1804TFX-PXXSL-01Q									
21.01.22	F1	EN20210122002	Add New Plating Type	HuangTao	Joshua	.X ±0.30					APPROVAL CHECK DRAWN DATE					TITLE				
21.01.07	F	EN20210107001	Added Grip size L-0.30mm	Zeng	Robing	.XX ±0.20										1.80mm Crimp Style Connectors				
						.XXX ±0.10														
						X° ±2°														
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jack Zhang	Larry Yang	Yangmeng	2019/05/10	UNIT	SCALE	SHEET	REV	NUMBER					
											mm	1:1	1/1	F2	A-000					

RoHS

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

■ Specifications :

- Voltage rating: 350V AC / DC
- Current rating: See Table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: $\geq 1000\text{M}\Omega$
- Contact resistance: $\leq 10\text{m}\Omega$
- After environmental testing: $\leq 20\text{m}\Omega$
- Wire Range: See Table below
- Insulation O.D: See Table below
- Mates With HRS Housing: HRS-1804HM

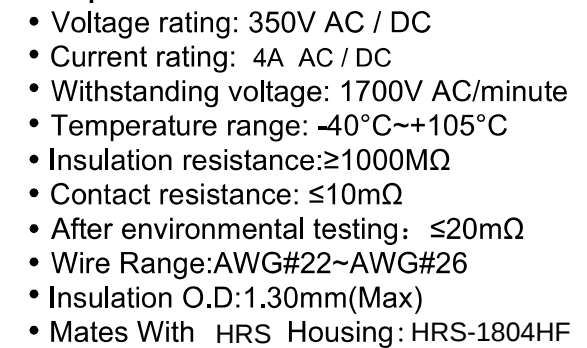
HRS-1804 T F X - P XX X X - XX Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No
② Category: T-terminal
③ Shape: F-Female Terminal
④ Product form: Blank-ordinary
⑤ Material: P-Phosphor Bronze
⑥ Plating Code:
03-All Area Sn100 μ "Min.; Ni 50 μ "Min.
10-All Area gold 0.8u"Min.; Ni 50u" Min.
12-Contact Area gold 15u"Min.;
Other Area gold 0.8u"Min.; Ni 50u" Min.
13-Contact Area gold 30u"Min.;
Other Area gold 0.8u"Min.; Ni 50u" Min.
⑦ Plating method: S-Stamping before plating
⑧ High and low feet: Blank-ordinary
⑨ Sequence Number: Nomarl-01, FRLY A-02
⑩ Special code: Q—Automotive Connectors

PIN	Current rating		
	22#	24#	26#
06P	4.5A	4A	2A
12P	3.5A	2A	2A

HRS-1804TF-PXXS-02Q	FLRY-A	1.20mm	1.65	1.80	1.70	1.70
HRS-1804TF-PXXS-01Q	AWG#22-26 UL1061	1.20~1.30mm	1.90	2.15	1.70	1.70
PART No.	Wire Size	Insulation O.D.	DIM a	DIM b	DIM c	DIM d

23.08.21	E2	/	Update Drawing Frame	LXZ	Larry Yang	GENERAL TOLERANCE .X ±0.30 .XX ±0.20 .XXX ±0.10 X.° ±2° PROJECT	Horus Int. Electronics. Co., LTD. Horus tech Electronics. Co., LTD.				PART NO. HRS-1804TFX-PXXXX-XXQ				
21.01.22	E1	EN20210122002	Add New Plating Type	HuangTao	Joshua						TITLE 1.80mm Crimp Style Connectors				
20.11.26	E	EN20201126003	HRS-1804TF-P03S-01Q ADD AWG#26 TYPE	HuangTao	Joshua		APPROVAL	CHECK	DRAWN	DATE					
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL							Jack Zhang	Larry Yang	Yangmeng	2019/05/10
						mm	1:1	1/1	E2	A-000					



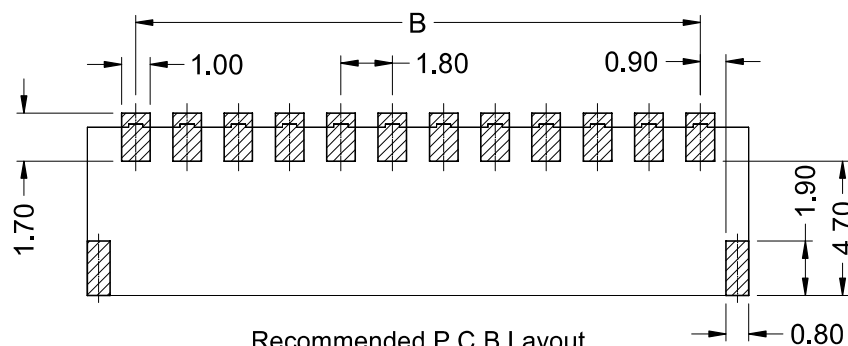
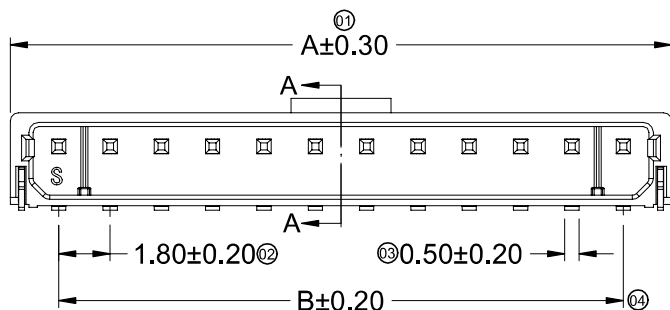
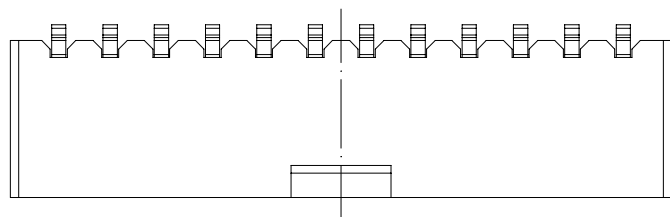
01 02 03 04 05 06 07 08 09 10

- ① Series No
- ② Category: T-terminal
- ③ Shape: M-Male Terminal
- ④ Product form: Blank-ordinary
- ⑤ Material: B-Brass
- ⑥ Plating Code:
 - 03-Sn 100μ" Min.; Ni 50μ" Min.
 - 30-Contact Area gold 0.8u" Min.;
Other Area Tin 100u" Min.; Ni 50u" Min.
 - 32-Contact Area gold 15u" Min.;
Other Area Tin 100u" Min.; Ni 50u" Min.
 - 33-Contact Area gold 30u" Min.;
Other Area Tin 100u" Min.; Ni 50u" Min.
- ⑦ Plating method: S-Stamping before plating
- ⑧ High and low feet: Blank-ordinary
- ⑨ Sequence Number: 01
- ⑩ Special code: Q-Automotive Connector

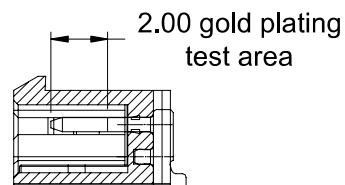
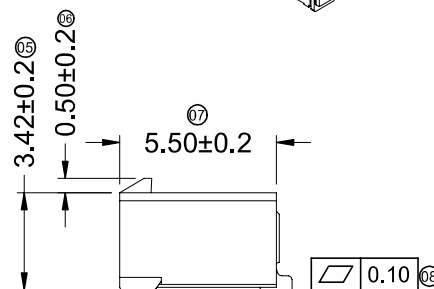
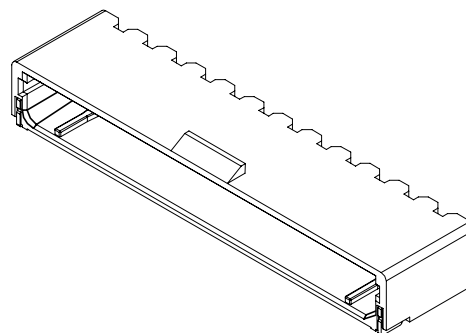
						GENERAL TOLERANCE	 Horus Int. Electronics. Co., LTD. Horus tech Electronics. Co., LTD.				PART NO. HRS-1804TMX-BXXSX-01Q																															
23.08.21	A2		Update Drawing Frame	LXZ	LarryYang	.X ±0.30					APPROVAL					CHECK					DRAWN					DATE																
						.XX ±0.20																																				
21.01.21	A1		Add Au Plating Code	Mali	Joshua	.XXX ±0.10	PROJECT 				UNIT					SCALE					SHEET					REV					NUMBER											
						X.° ±2"																																				
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL		Robing				Joshua				Oneh				2018/11/24				mm				1:1				1/1				A2				A-000			

RoHS

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



Recommended P.C.B Layout
General Tolerance±0.05



SECTION A-A
SCALE 1:1

Specifications :

- Voltage rating: 350V AC / DC
- Current rating: See the table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance:≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Material(Pin&Solder tab): Brass
- Finish(Solder Tabs): Matte Tin Plating
- Mates With HRS Housing HRS-1804HM-1xXX-N0BBH01Q

HRS-1804 W R S-1xXX -XX X B XX R H 001 Q

01 02 03 04 05 06 07 08 09 10 11 12 13

- 01 Series No.
02 Category:W-Wafer
03 Connector Type: R-90°
04 Mounting Type: S-SMT
05 Row No.-Pin No Per Row.: 1xXX-Single Row
06 Material: 4T-PA4T 94V-0
07 Color: N-Natural B-Black
08 Metal material: B-Brass
09 Plating Code:
05- Matte Tin Plating(Ni 50u"Min. ; Tin100u"Min.)
30-Contact Area gold0.8u"Min;Other Area MatteTin 100u"Min;
Ni 50u"Min.
32-Contact Area gold15u"Min;Other Area MatteTin 100u"Min;
Ni 50u"Min.
33-Contact Area gold 30u"Min;Other Area MatteTin 100u"Min;
Ni 50u"Min.
10 Packing: R-Reel
11 Green code:H-Halogen-free
12 Sequence Number:001
13 Special code :Q-Automotive Connectors

Poles	Dimensions (mm)		Current rating		
	A	B	22#	24#	26#
03	7.00	3.60			
04	8.80	5.40			
05	10.60	7.20			
06	12.40	9.00	4.5A	4A	2A
07	14.20	10.80			
08	16.00	12.60			
09	17.80	14.40			
10	19.60	16.20			
11	21.40	18.00			
12	23.20	19.80	3.5A	2A	2A

GENERAL TOLERANCE						PART NO. HRS-1804WRS-1xXX-XXXBXXRH001Q			
.X ±0.35						TITLE 1.80mm Wafer Connector			
.XX ±0.25						UNIT SCALE SHEET REV NUMBER			
.XXX ±0.15						mm 1:1 1/1 A2 A-000			
X.° ±2°						APPROVAL CHECK DRAWN DATE			
PROJECT						Roving Joshua Oneh 2018/11/24			
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL				
23.08.21	A2	/	Update Drawing Frame	LXZ	Larry Yang				