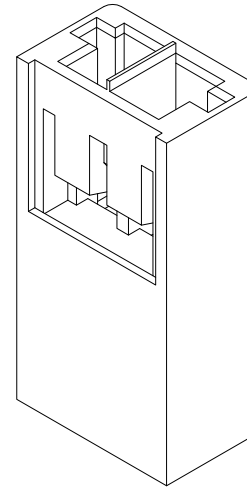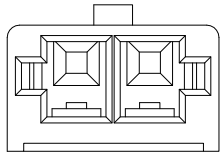RoHS

■ Specifications :

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

1804 H F - 1x02 - N0 X B H 01 Q
① ② ③ ④ ⑤ ⑥⑦⑧ 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

① 5.20±0.2

⑦ 3.10±0.2

⑩ 1.10±0.2

9.75±0.2
9.50±0.2

⑧ ⑨

② 3.60±0.2
③ 1.80±0.2
⑥ 2.40±0.2
④ 0.49±0.2
⑤ 0.52±0.2

1804HF-1x02-N0NBH01Q	Nylon 66 UL 94V-0 Halogen-Free	1804TM-B03S-01Q	1800H/1800T
PART N0	Material	Suitable GYA Terminal	Suitable GYA Housing

DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE						

GENERAL TOLERANCE
.X ±0.35
.XX ±0.25
.XXX ±0.15
X.° ±2°

GYA Connectors
东莞市国亚电子有限公司
Dong Guan Guo Ya Connectors co.,ltd.

APPROVAL	CHECK	DRAWN	DATE
Yangzhengguo	Yangzhengyi	Lvtiansheng	2016/08/26

PROJECT

PART NO.
1804HF-1x02-N0XBH01Q

TITLE
1.80mm Crimp Style Connectors

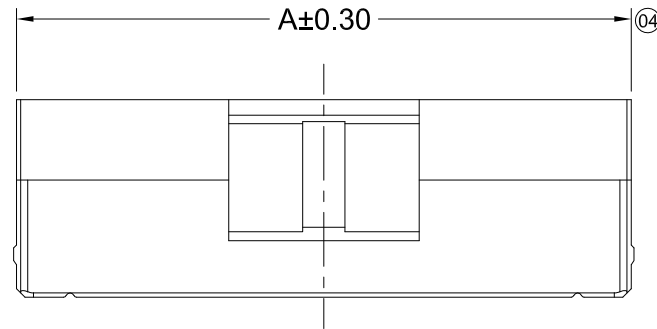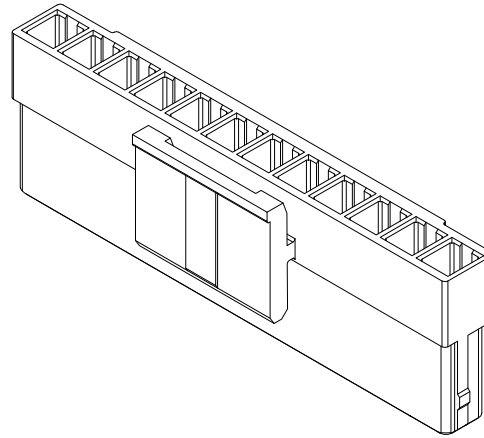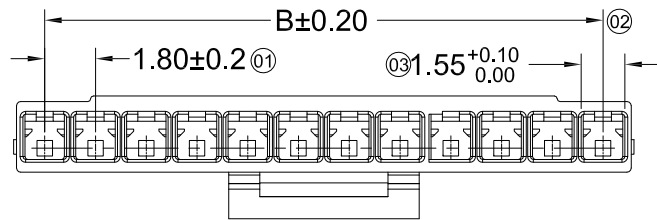| UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-022
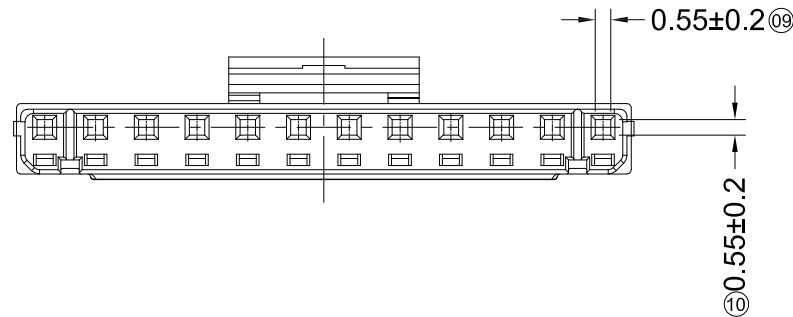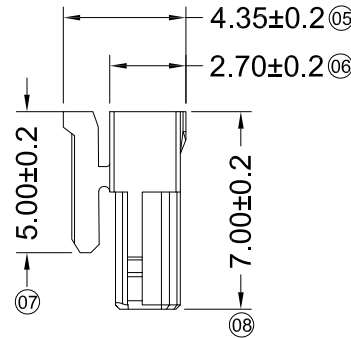
RoHS

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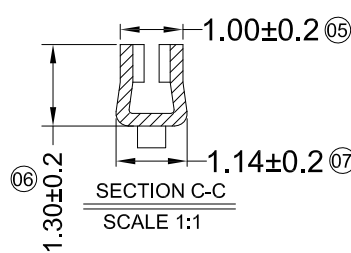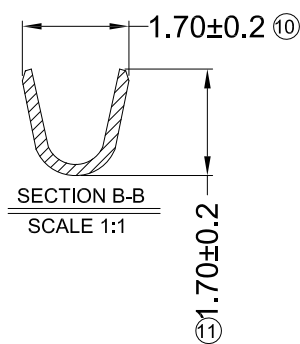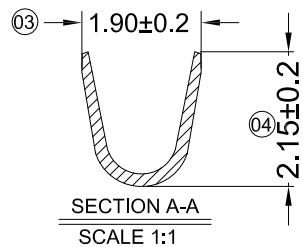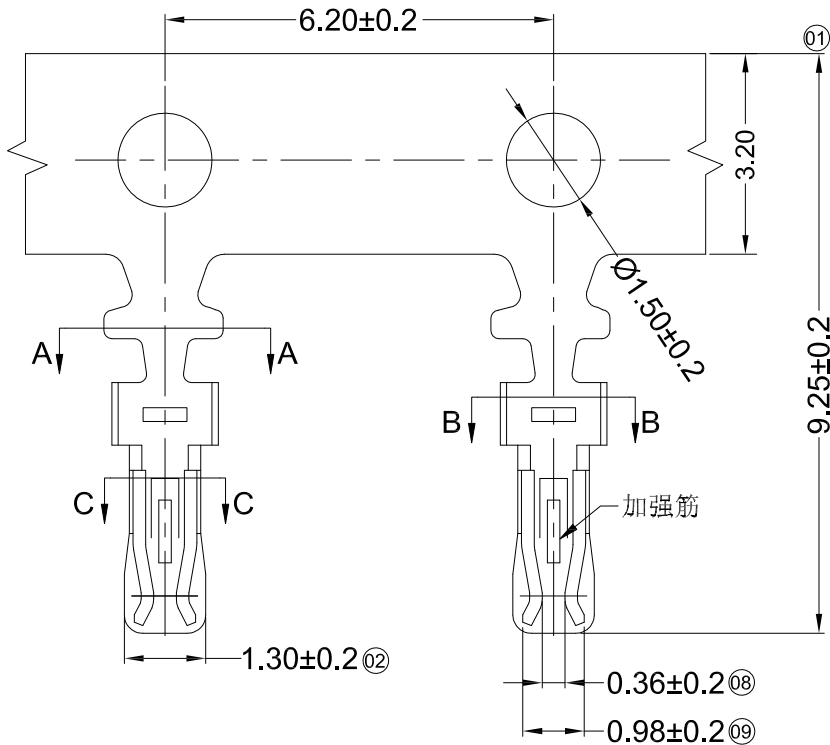- Mates With GYA Terminal 1804TF
  Mates With GYA Wafer 1804WRS

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 Per Row: 1xXX-Single Row
⑤ Material：N0-PA66 94V-0
⑥ Color：B-Black N-Nature
⑦ Packing: B-Bag
⑧ RoHS/HF：H-Halogen-free R-Rohs
⑨ Sequence Number：01
⑩ Special code
   Q----Automotive Connecto

Dimensions (drawing):
B±0.20
1.80±0.2 ①
③1.55 +0.10/0.00
②
A±0.30 ④
4.35±0.2 ⑤
2.70±0.2 ⑥
5.00±0.2 ⑦
7.00±0.2 ⑧
0.55±0.2 ⑨
0.55±0.2 ⑩

PIN位	尺寸(mm)		Current rating		
	AB		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

GYA Connectors
东莞市国亚电子有限公司
Dong Guan Guo Ya Connectors co.,ltd.

GENERAL TOLERANCE	
.X	±0.35
.XX	±0.25
.XXX	±0.15
X.°	±2°

PART NO.
1804HM-1xXX-N0XBH01Q

TITLE
1.80mm Crimp Style Connectors

APPROVAL	CHECK	DRAWN	DATE
Yangzhengguo	Yangzhengyi	Lvtiansheng	2016/08/26

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-000

DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL	PROJECT

RoHS

■ Specifications :

- Voltage rating: 350V AC / DC
- Current rating: See Table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40° ~+105°
- Insulation resistance:≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing：≤20mΩ
- Wire Range:AWG#22~AWG#26
- Insulation O.D:1.30mm(Max)
- Mates With GYA Housing : 1804HM

6.20±0.2

3.20

① 01

Φ1.50±0.2

9.25±0.2

A◢A

B◢B

C◢C

加强筋

1.30±0.2 ②

0.36±0.2 ⑧
0.98±0.2 ⑨

⑫T=0.20±0.01

⑬ 2.20±0.2
⑭ 1.00±0.2
⑮ 0.50±0.2
⑯
⑰ 2.50±0.2
5.10±0.2

⑱ 0.42±0.2
⑲ 2.40±0.2
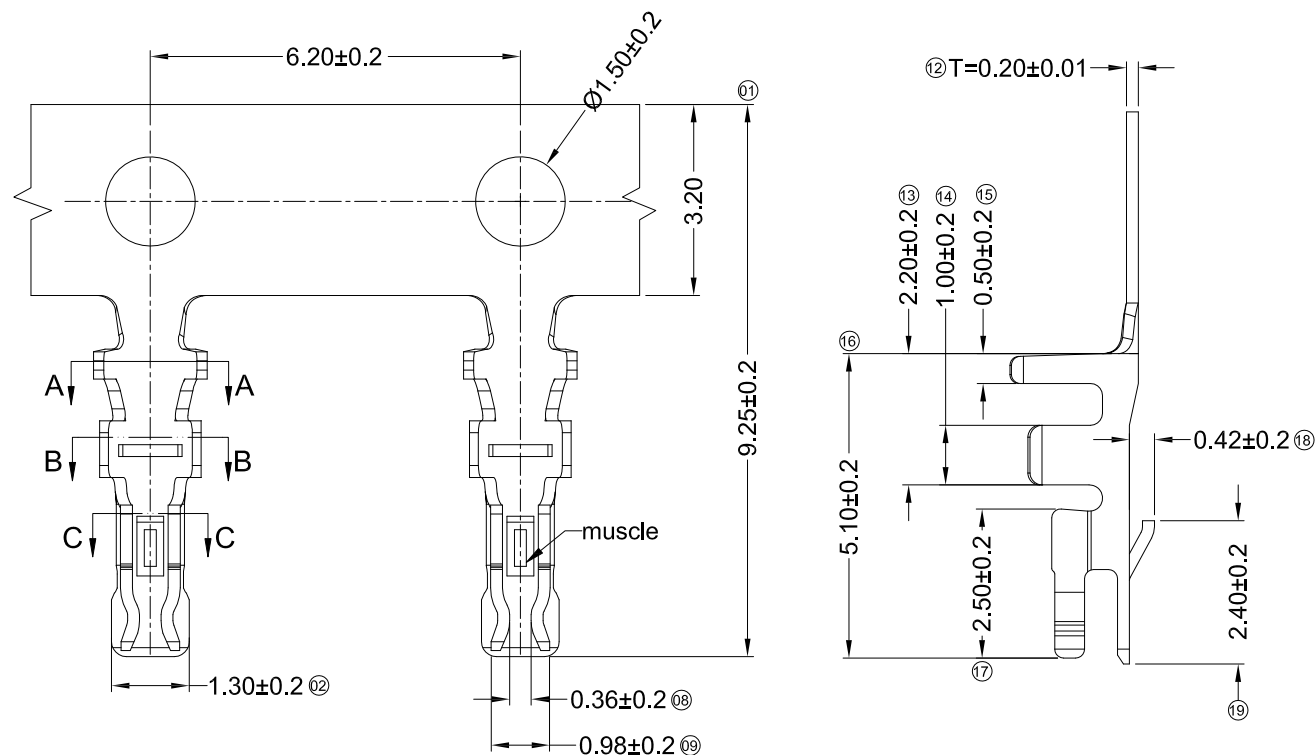
1804 T F X - P 03 X X - 01 Q
 ①   ② ③ ④   ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

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-Ni 50μ"Min. Sn 100μ" Min.
⑦ Plating method：S-Stamping before plating
⑧ High and low feet: Blank-ordinary
⑨ Sequence Number：01
⑩ Special code:
   Q----Automotive Connectors

③ 1.90±0.2
④ 2.15±0.2
SECTION A-A
SCALE 1:1

1.70±0.2 ⑩
⑪ 1.70±0.2
SECTION B-B
SCALE 1:1

1.00±0.2 ⑤
⑥ 1.30±0.2
1.14±0.2 ⑦
SECTION C-C
SCALE 1:1

Current rating		
22#	24#	26#
4.5A	4A	2A
3.5A	2A	2A

RoHS

■ Specifications :

- Voltage rating: 350V AC / DC
- Current rating: See Table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40° ~+105°
- Insulation resistance:≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Wire Range:See Table below
- Insulation O.D:See Table below
- Mates With GYA Housing : 1804HM

1804 T F X - P 03 X X - XX Q
① ② ③ ④   ⑤ ⑥ ⑦ ⑧   ⑨ ⑩
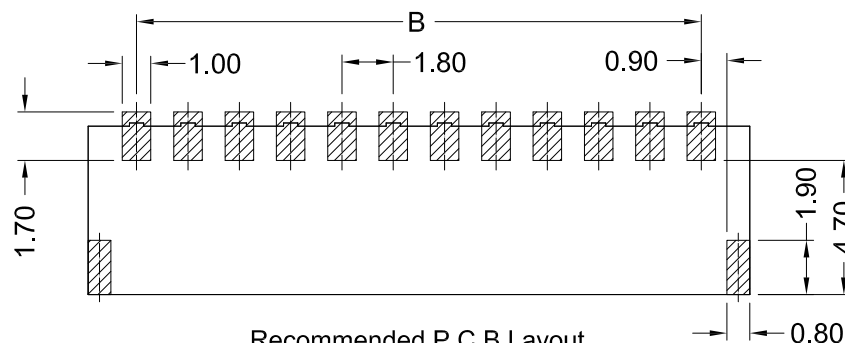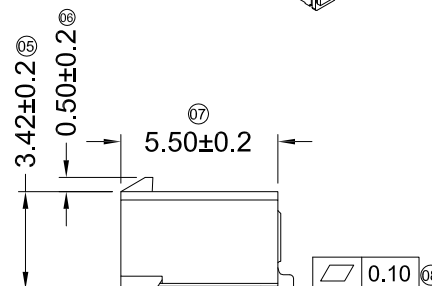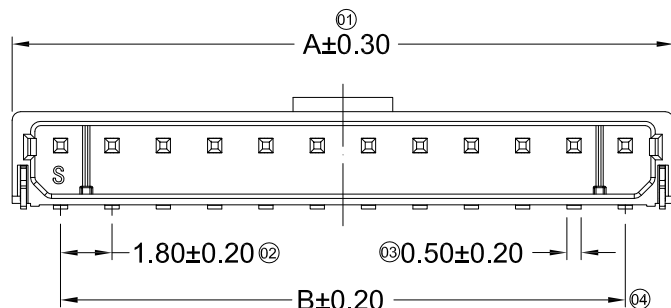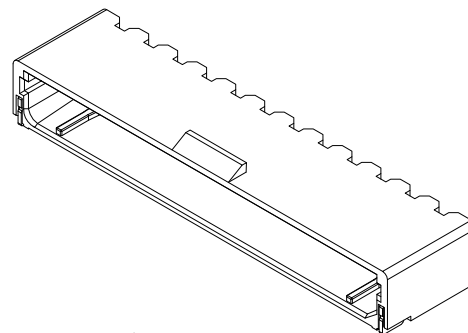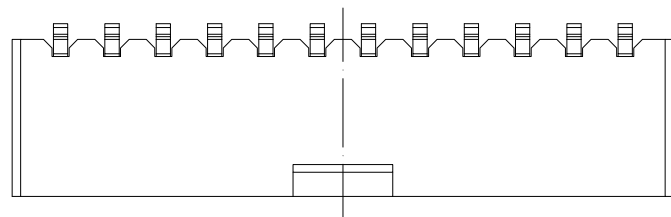
① Series No
② Category: T-terminal
③ Shape：F-Female Terminal
④ Product form: Blank-ordinary
⑤ Material:P-Phosphor Bronze
⑥ Plating Code:03-Ni 50μ"Min. Sn 100μ" Min.
⑦ Plating method：S-Stamping before plating
⑧ High and low feet: Blank-ordinary L= Lower
⑨ Sequence Number：Nomarl-01,FRLY A-02
⑩ Special code:
    Q----Automotive Connectors

6.20±0.2
Ø1.50±0.2 ①
3.20
9.25±0.2
A A
B B
C C
muscle
1.30±0.2 ②
0.36±0.2 ⑧
0.98±0.2 ⑨

⑫T=0.20±0.01
2.20±0.2 ⑬
1.00±0.2 ⑭
0.50±0.2 ⑮
⑯
5.10±0.2
2.50±0.2
0.42±0.2 ⑱
2.40±0.2
⑰
⑲

③ a±0.2
b±0.2
SECTION A-A
SCALE 1:1
④

⑩ c±0.2
d±0.2
SECTION B-B
SCALE 1:1
⑪

1.00±0.2 ⑤
1.30±0.2
1.14±0.2 ⑦
SECTION C-C
SCALE 1:1
⑥

PIN	Current rating			
	22#	24#	26#	28#
06P	4.5A	4A	2A	2A
12P	3.5A	2A	2A	2A

PART No.	Wire Size	Insulation O.D.	DIM a	DIM b	DIM c	DIM d
1804TF-P03S-02Q	FLRY-A	1.20mm	1.65	1.80	1.70	1.70
1804TF-P03S-01Q	AWG#22-24 UL1061	1.20~1.30mm	1.90	2.15	1.70	1.70
1804TF-P03SL-01Q	AWG#26-28 UL3266	1.20~1.30mm	1.70	1.95	1.00	1.10

东莞市国亚电子有限公司
工程部专用章

				GENERAL TOLERANCE			GYA Connectors	东莞市国亚电子有限公司 Dong Guan Guo Ya Connectors co.,ltd.		PART NO. 1804TF-P03SX-XXQ

GENERAL TOLERANCE
.X   ±0.35
.XX ±0.25
.XXX ±0.15
X.° ±2°

PROJECT

APPROVAL CHECK DRAWN DATE
Yangzhengguo Yangzhengyi Lvtiansheng 2016/08/26

DATE REV ECN NO DESCRIPTION MODIFY APPROVAL

PART NO.
1804TF-P03SX-XXQ
TITLE
1.80mm Crimp Style Connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-000

RoHS

Specifications :

- Voltage rating: 350V AC / DC
- Current rating: See the table below
- Withstanding voltage: 1700V AC/minute
- Temperature range: -40° ~+105°
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing：≤20mΩ
- Material(Pin&Solder tab)：Brass
- Mates With GYA Housing1804HM-1xXX-N0BBH01Q

A±0.30

1.80±0.20 ②   ③0.50±0.20

B±0.20 ④

3.42±0.2 ⑤
0.50±0.2 ⑥
5.50±0.2 ⑦

0.10 ⑧

1804 W R S-1xXX -XX X B 05 R H 001 Q
　①　②　③④　⑤　⑥⑦⑧⑨⑩⑪⑫　⑬

① Series No.
② Category：W-Wafer
③ Connector Type：R-90°
④ Mouting Type: S-SMT
⑤ Row No.-Pin No Per Row.:   1xXX-Single Row
⑥ Material: 4T-PA4T 94V-0
⑦ Color : N-Natural B-Black
⑧ Metal material: B-Brass
⑨ Plating Code: 05- Matt Tin Plating(Ni 50u", Tin100u" Min)
⑩ Packing: R-Reel
⑪ Green code: H-Halogen-free
⑫ Sequence Number：001
⑬ Special code :Q-Automotive Connectors

B

1.00   1.80   0.90

1.70   1.90   4.70   0.80

Recommended P.C.B Layout
General Tolerance±0.05

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