

RoHS

RD-1

Specifications :

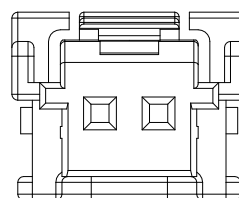
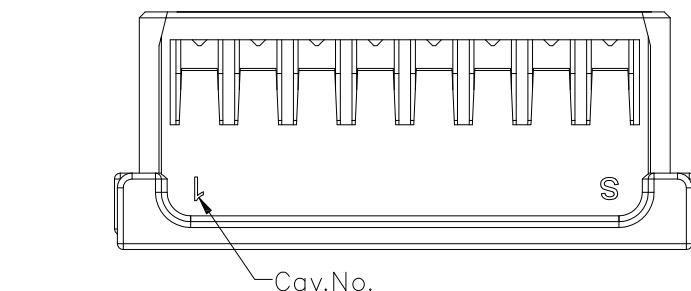
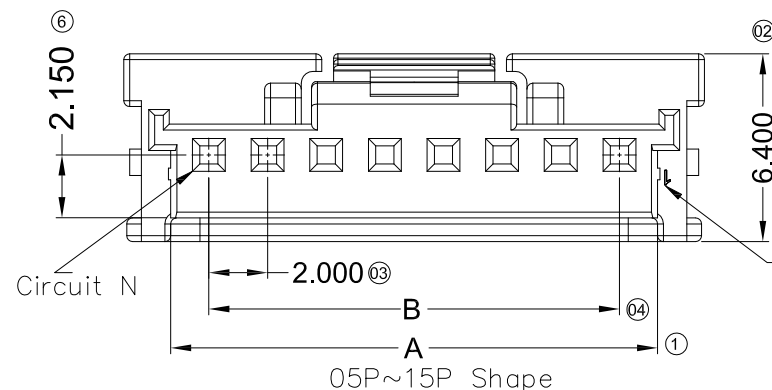
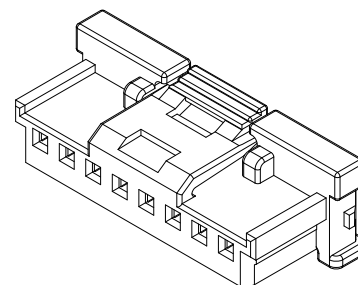
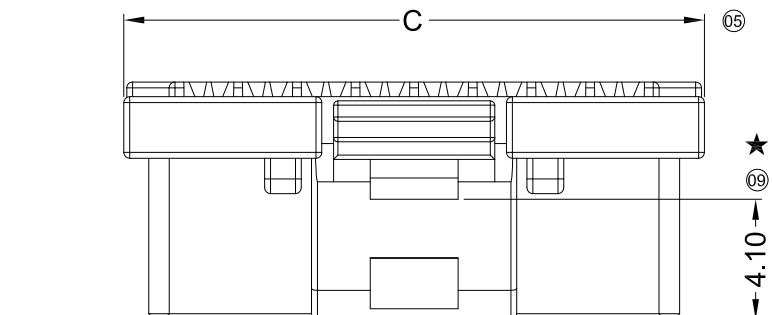
- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$
- Suitable GYA Terminal: 2021T
- Suitable GYA TPA: C2021
- Suitable GYA Header: 2008W

2021H -XX -XXBK
① ② ③ ④ ⑤

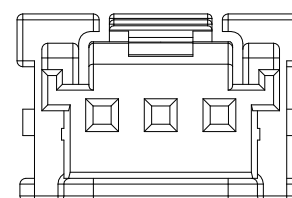
- ① Series No.
② Category: H-HOUSING
③ Row No.-Pin No: XX-02~15 Pin
④ Plastic material:
XX- High temperature thermoplastic
⑤ Color: BK-Black

Poles	Dimensions (mm)		
	A	B	C
02	4.60	2.00	8.00
03	6.60	4.00	9.80
04	8.60	6.00	11.80
05	10.60	8.00	13.80
06	12.60	10.00	15.80
07	14.60	12.00	17.80
08	16.60	14.00	19.80
09	18.60	16.00	21.80
10	20.60	18.00	23.80
11	22.60	20.00	25.80
12	24.60	22.00	27.80
13	26.60	24.00	29.80
14	28.60	26.00	31.80
15	30.60	28.00	33.80

A View



02P Shape
A View.



03P~04P Shape
A View.



GENERAL TOLERANCE

.X ± 0.30

.XX ± 0.20

.XXX ± 0.10

X.° $\pm 2^\circ$

PROJECT

PROJECT

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

PART NO.

2021H-XX-XXBK

TITLE

2.00mm Pitch WTB Conn. Housing With TPA Feature

UNIT

SCALE

SHEET

REV

NUMBER

mm

4:1

1/1

A0

XXXX

DATE REV ECN ON.

DESCRIPTION

MODIFY

APPROVAL

1

2

3

4

5

6

7

8

RoHS

RD-1

■ Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 1000\text{M}\Omega$
- Contact resistance: $\leq 10\text{m}\Omega$
- After environmental testing: $\leq 20\text{m}\Omega$
- Suitable GYA Terminal: 2021T
- Suitable GYA Housing: 2021H
- Suitable GYA Header: 2008W

C2021-XX -PTNC

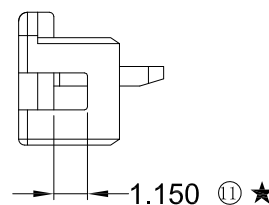
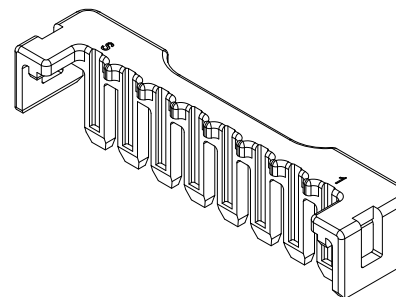
① ② ③ ④

① Series No.

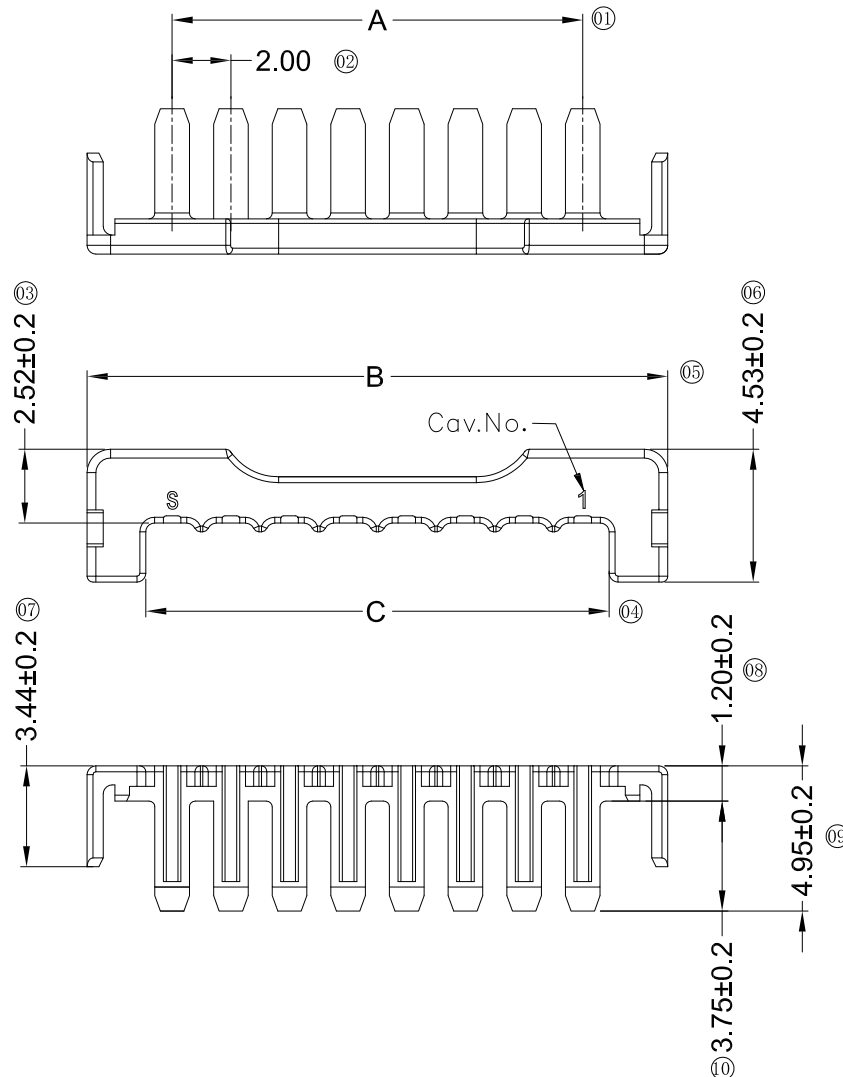
② Row No.-Pin No: XX-02~15Pin

③ Plastic material: PT- PBT+GF UL 94-V0

④ Color: NC-Natural Color



Poles	Dimensions (mm)			Poles	Dimensions (mm)		
	AB		C		AB		C
02	2.00	7.80	3.80	09	16.00	21.80	17.80
03	4.00	9.80	5.80	10	18.00	23.80	19.80
04	6.00	11.80	7.80	11	20.00	25.80	21.80
05	8.00	13.80	9.80	12	22.00	27.80	23.80
06	10.00	15.80	11.80	13	24.00	29.80	25.80
07	12.00	17.80	13.80	14	26.00	31.80	27.80
08	14.00	19.80	15.80	15	28.00	33.80	29.80



GENERAL TOLERANCE

.X ± 0.30

.XX ± 0.20

.XXX ± 0.10

X. $^{\circ}$ $\pm 2^{\circ}$

PROJECT

PROJECT

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

PART NO.

C2021-XX-PTNC

TITLE

2.00mm Pitch WTB Conn. TPA

UNIT

SCALE

SHEET

REV

NUMBER

mm

4:1

1/1

A0

XXXX

DATE

REV

ECN ON.

DESCRIPTION

MODIFY

APPROVAL

1

2

3

4

5

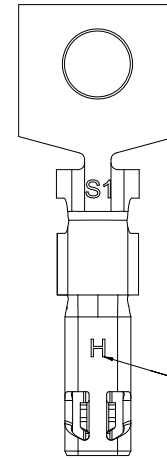
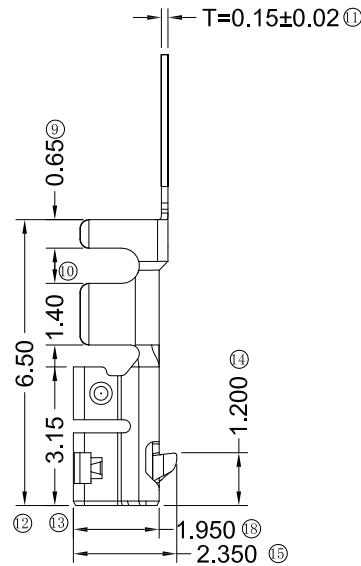
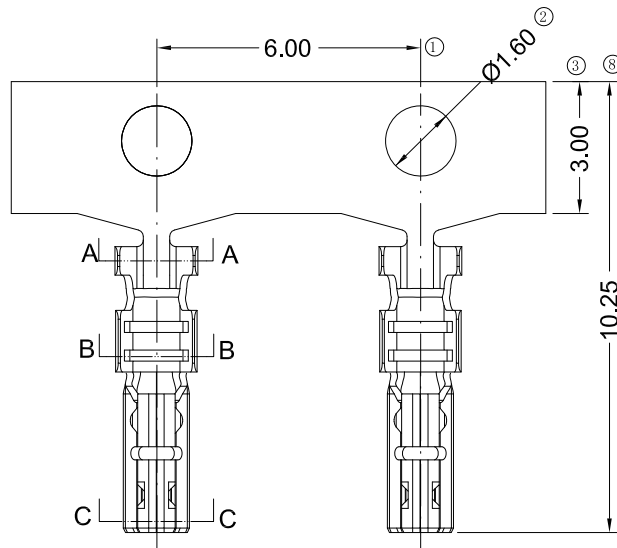
6

7

8

RoHS

RD-1



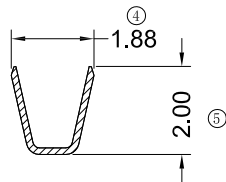
■ Specification:

- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range:
 - 40°C~+105°C(Phosphor Bronze)
 - 40°C~+125°C(C7025)
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$

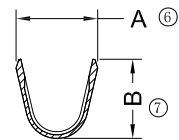
Material mark

H-C7025

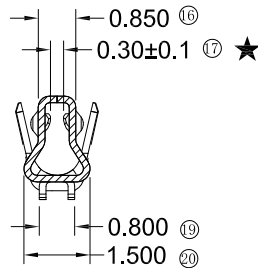
Blank(no mark)-Phosphor bronze



Section: A-A



Section: B-B



Section: C-C



2021 I X - X SN1

① ② ③ ④ ⑤

① Series Number: 2021

② Category: T - Terminal

③ Shape: Blank-Low Barrel ; H-High Barrel

④ Material: P - Phosphor bronze

H-C7025

⑤ Plating code: see table 1

Table 1

2021TH-HSN1	AWG#22 (0.35mm ²)	Ø1.5mm Max	Ni 40~120u" (1~3um)overall Sn 80~200u" (2~5um)overall	2021H	1.85	1.80
2021TH-PSN1						
2021T-HSN1	AWG#24~26	Ø1.5mm Max	Sn 80~200u" (2~5um)overall	2021H	1.25	1.35
2021T-PSN1	(0.22~0.13mm ²)					
P/N	Wire Range	Insulation O.D.	Finish	Suitable GYA Housing	Dim A	Dim B

GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT

PROJECT

GYA
Connectors

东莞市国亚电子有限公司

Dong Guan Guo Ya Connectors co., ltd.

APPROVAL

CHECK

DRAWN

DATE

PART NO.

2021TX-XSN1

TITLE

2.00mm Pitch WTB Conn. Terminal

UNIT

SCALE

SHEET

REV

NUMBER

mm

6:1

1/1

A0

A-000

DATE REV ECN ON.

DESCRIPTION

MODIFY

APPROVAL

PROJECT

PROJECT

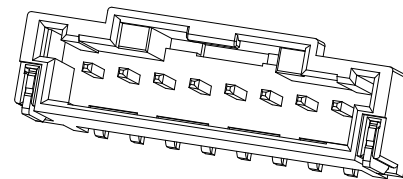
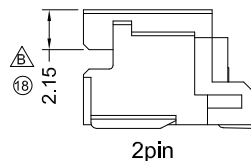
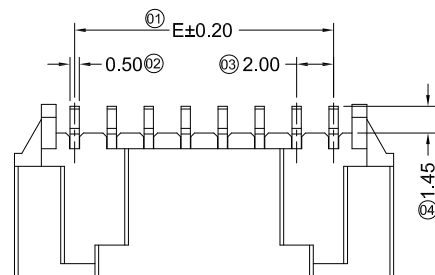
Yangzhengguo

Yangzhengyi

Lvtiansheng

2016/08/26

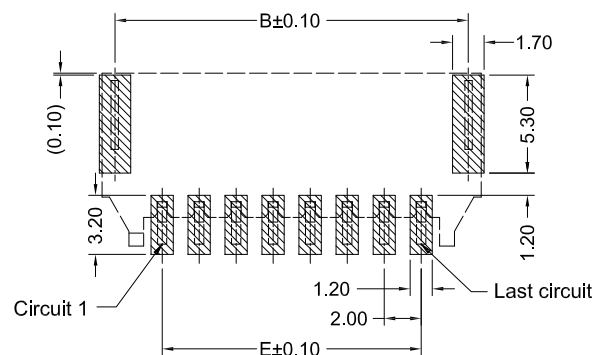
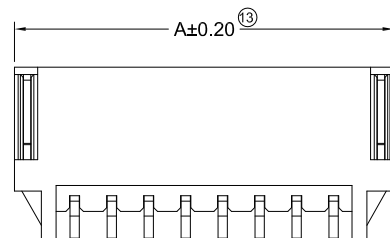
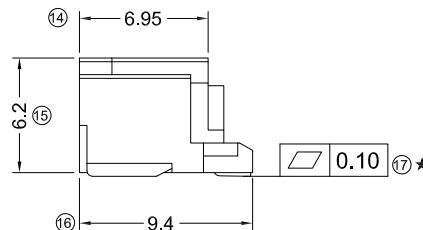
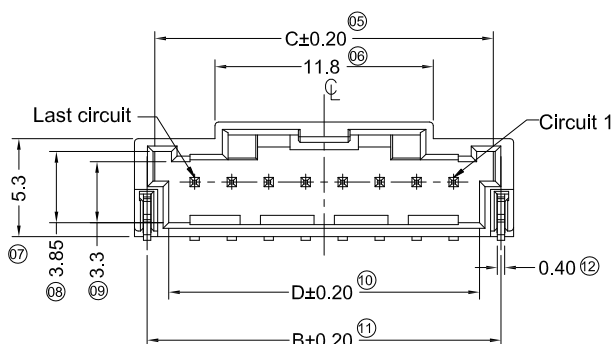
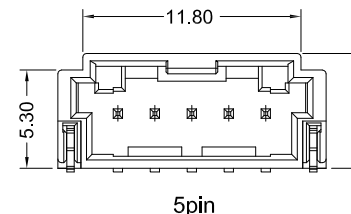
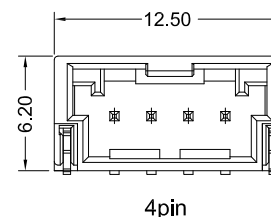
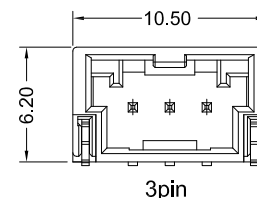
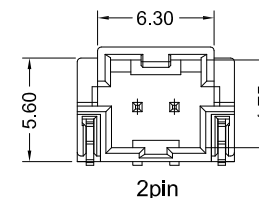
RoHS



- Specifications :
 - Voltage rating: 125V AC / DC
 - Current rating: 3A AC / DC
 - Withstanding voltage: 500V AC/minute
 - Temperature range: -40° ~+105°
 - Insulation resistance: ≥1000MΩ
 - Contact resistance: ≤10mΩ
 - After environmental testing: ≤20mΩ
 - Material(Pin): Brass
 - Mates With GYA Housing : 2008H
 - "★" Critical dimension

2008 W R S - 1 x XX - XX XB 05 R R XXX Q
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13)

- ① Series No.
- ② Category: W-wafer
- ③ Connector Type: R-Right Angle 90°
- ④ Mounting Type: S-SMT
- ⑤ Row No.-Pin No Per Row: 1xXX-Single Row 1xXXPin
- ⑥ Plastic material: 9T- PA9T UL94V-0; LP- LCP UL94V-0
- ⑦ Color: N-Natural; B-Black; R-Red; L-Blue
- ⑧ Metal material: B-Brass
- ⑨ Plating Code: 05-Matte Tin
- ⑩ Packing: R-Reel
- ⑪ RoHS/HF: H-Halogen-Free R-Rohs
- ⑫ Sequence Number: 002-Coldsealing ; 02C-Heatsealing
- ⑬ Special code: Q-Automotive Connectors

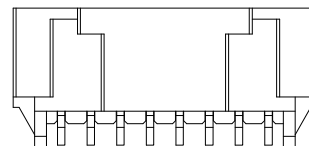
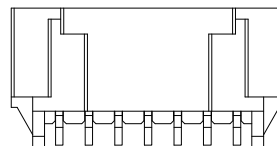
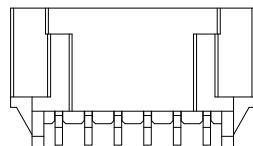
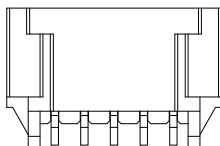
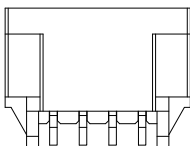
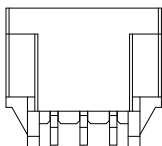
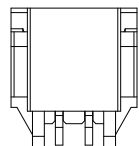
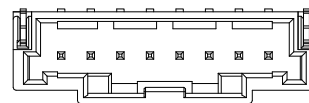
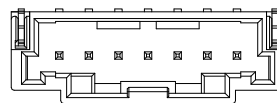
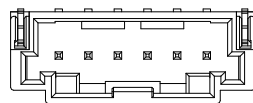
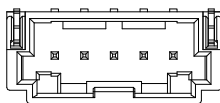
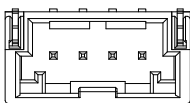
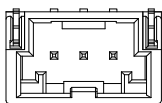
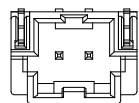


RECOMMENDED P.C.B LAYOUT
(TOLERANCE:±0.05)

Poles	Dimensions (mm)				
	A	B	C	D	E
02	8.50	7.13	6.30	4.80	2.00
03	10.50	9.13	8.30	6.80	4.00
04	12.50	11.13	10.30	8.80	6.00
05	14.50	13.13	12.30	10.80	8.00
06	16.50	15.13	14.30	12.80	10.00
07	18.50	17.13	16.30	14.80	12.00
08	20.50	19.13	18.30	16.80	14.00
09	22.50	21.13	20.30	18.80	16.00
10	24.50	23.13	22.30	20.80	18.00
11	26.50	25.13	24.30	22.80	20.00
12	28.50	27.13	26.30	24.80	22.00
13	30.50	29.13	28.30	26.80	24.00
14	32.50	31.13	30.30	28.80	26.00
15	34.50	33.13	32.30	30.80	28.00

						GENERAL TOLERANCE	<div><div>GYAConnectors</div><div>东莞市国亚电子有限公司 Dong Guan Guo Ya Connectors co., ltd.</div></div>				PART NO. 2008WRS-1xXX-XXXB05RRXXXQ				
						.X ±0.30					TITLE Pitch 2.00 mm 90° SMT Wafer Connectors				
						.XX ±0.20									
						.XXX ±0.10									
						X.° ±2°									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Yangzhengguo	Yangzhengyi	Lvtiansheng	2016/08/26	UNIT mm	SCALE 11	SHEET 1/2	REV A0	NUMBER A-000

RoHS



2pin

3pin

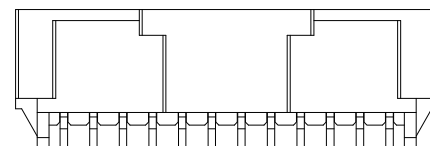
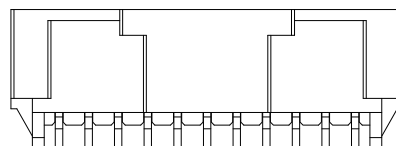
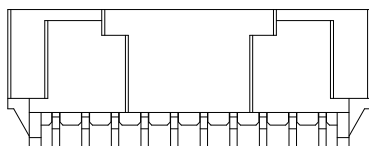
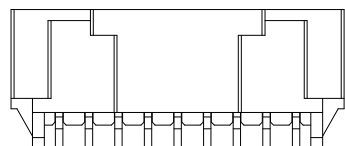
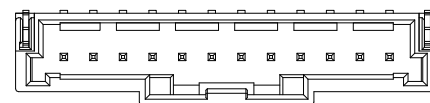
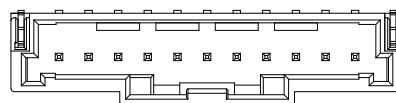
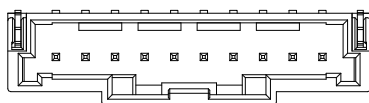
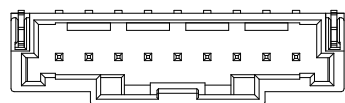
4pin

5pin

6pin

7pin

8pin

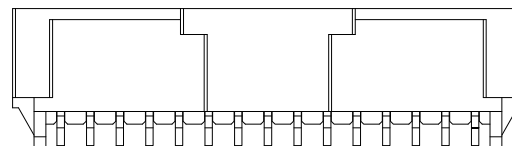
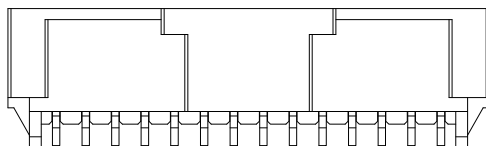
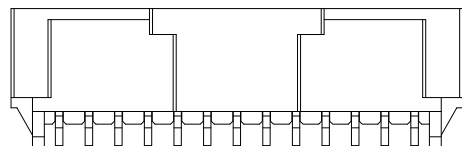
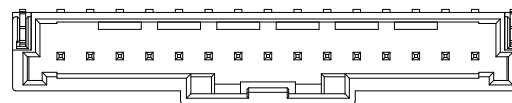
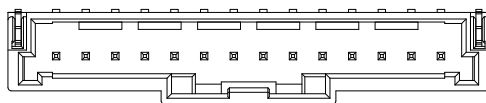
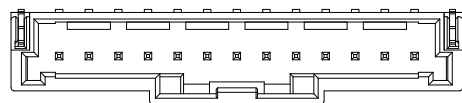


9pin

10pin

11pin

12pin




13pin

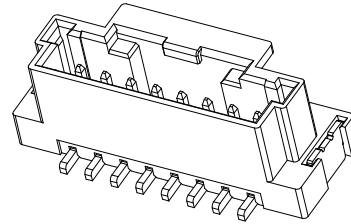
14pin

15pin



						GENERAL TOLERANCE	<div><div>GYA</div><div>Connectors</div></div> <div>东莞市国亚电子有限公司</div> <div>Dong Guan Guo Ya Connectors co., ltd.</div>				PART NO.				
						.X ±0.30					2008WRS-1xXX-XXXB05RRXXQ				
						.XX ±0.20					TITLE				
						.XXX ±0.10									
						X.° ±2°	APPROVAL	CHECK	DRAWN	DATE	Pitch 2.00 mm 90° SMT Wafer Connectors				
						PROJECT	Yangzhengguo	Yangzhengyi	Lvtiansheng	2016/08/26	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						mm	11	2/2	A0	A-000

RoHS

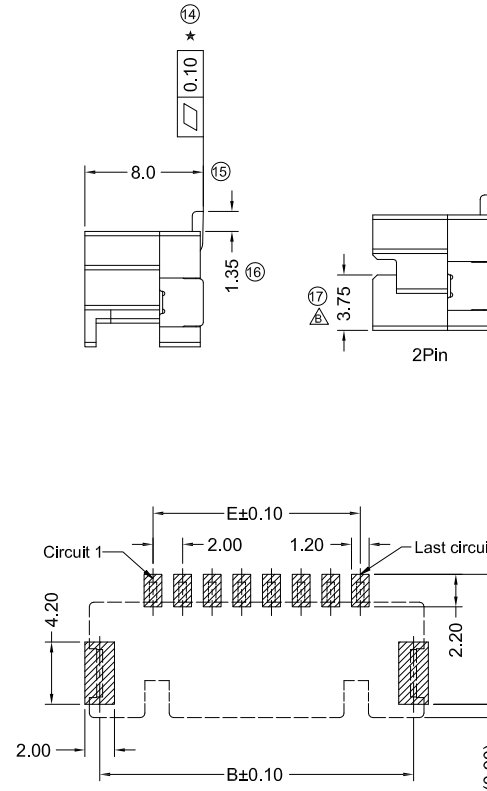
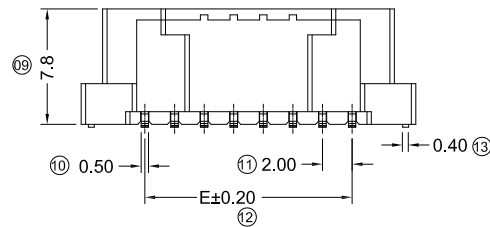
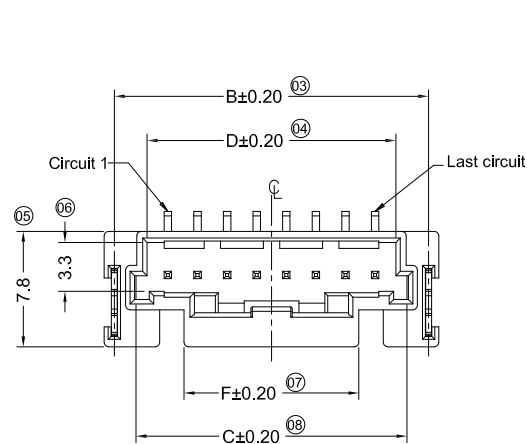
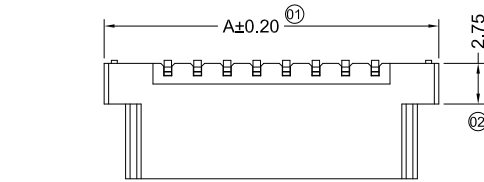


- Specifications :
- Voltage rating: 125V AC / DC
 - Current rating: 3A AC / DC
 - Withstanding voltage: 500V AC/minute
 - Temperature range: -40° ~+105°
 - Insulation resistance: $\geq 1000M\Omega$
 - Contact resistance: $\leq 10m\Omega$
 - After environmental testing: $\leq 20m\Omega$
 - Material(Pin): Brass
 - Mates With GYA Housing : 2008H
 - "★" Critical dimension

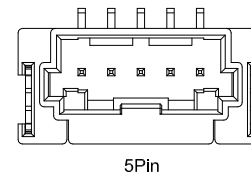
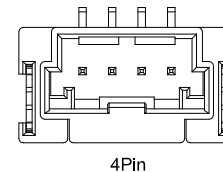
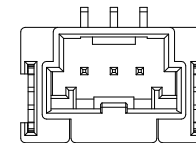
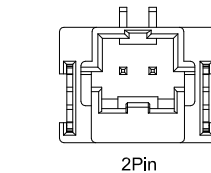
2008 W V S - 1 x XX - XX X B XX X R XXX Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- ① Series No.
② Category: W-wafer
③ Connector Type: V-Straight 180°
④ Mounting Type: S-SMT
⑤ Row No.-Pin No: 1xXX-Single Row 1xXXPin
⑥ Plastic material: 9T- PA9T 94V-0; LP- LCP 94V-0
⑦ Color: N-Natural; B-Black; R-Red; L-Blue
⑧ Metal material: B-Brass
⑨ Plating Code: 05-Matte Tin
30-Contact Area: Gold flash
Solder Area: Matte Tin
⑩ Packing: R-Reel ,Without Mylar
⑪ RoHS/HF: R-RoHS H-Halogen-Free
⑫ Sequence Number: 002-Coldsealing ; 02C-Heatsealing
⑬ Special code :Q-Automotive Connectors

Poles	Dimensions (mm)					
	A	B	C	D	E	F
02	10.60	9.23	6.30	4.80	2.00	6.30
03	12.60	11.23	8.30	6.80	4.00	5.80
04	14.60	13.23	10.30	8.80	6.00	7.80
05	16.60	15.23	12.30	10.80	8.00	9.80
06	18.60	17.23	14.30	12.80	10.00	11.80
07	20.60	19.23	16.30	14.80	12.00	11.80
08	22.60	21.23	18.30	16.80	14.00	11.80
09	24.60	23.23	20.30	18.80	16.00	11.80
10	26.60	25.23	22.30	20.80	18.00	11.80
11	28.60	27.23	24.30	22.80	20.00	11.80
12	30.60	29.23	26.30	24.80	22.00	11.80
13	32.60	31.23	28.30	26.80	24.00	11.80
14	34.60	33.23	30.30	28.80	26.00	11.80
15	36.60	35.23	32.30	30.80	28.00	11.80



RECOMMENDED P.C.B LAYOUT
(TOLERANCE:±0.05)



GENERAL TOLERANCE

.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT

Yangzhengguo

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

PART NO.

2008WVS-1xXX-XXXBXXRRXXQ

TITLE

Pitch 2.00 mm 180° SMT Wafer Connectors

UNIT

SCALE

SHEET

REV

mm

1:1

1/2

A0

mm

1:1

1/2

A0

mm

1:1

1/2

A0

DATE

1

1

REV

2

2

ECN NO.

DESCRIPTION

3

3

MODIFY

4

4

APPROVAL

5

5

APPROVAL

CHECK

DRAWN

DATE

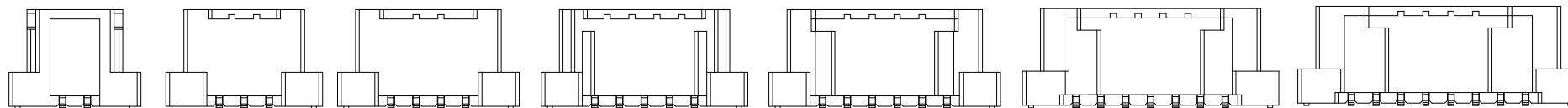
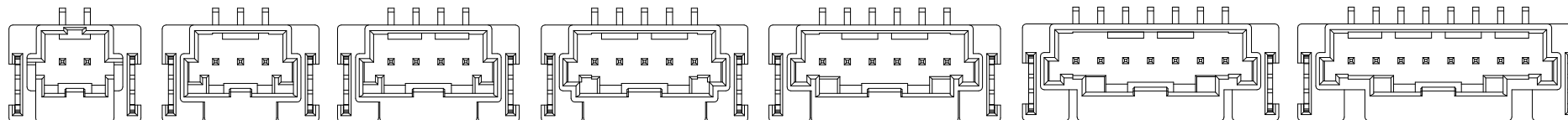
Yangzhengguo

Yangzhengyi

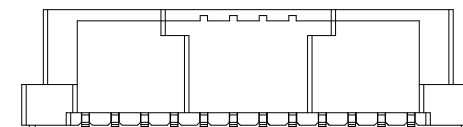
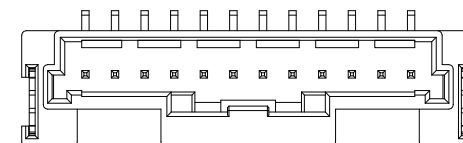
Lvtiansheng

2016/08/26

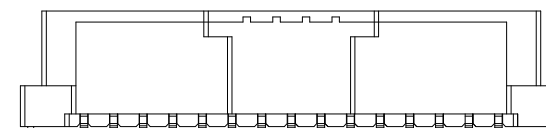
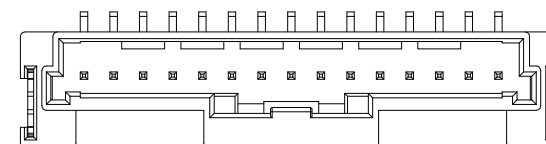
RoHS



8pin



12pin

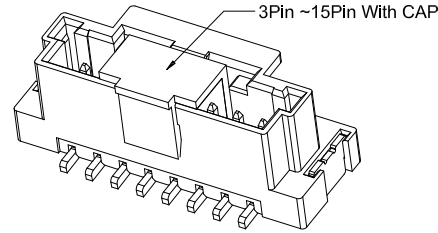


15pin



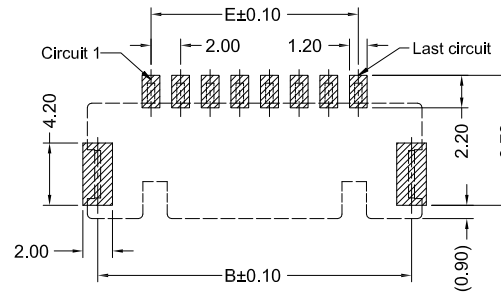
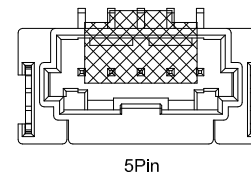
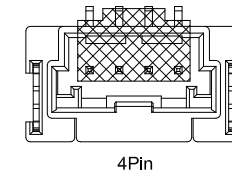
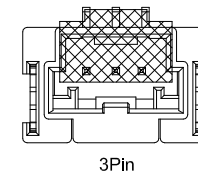
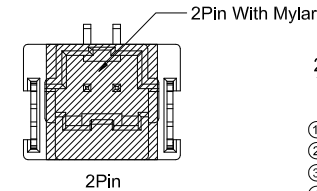
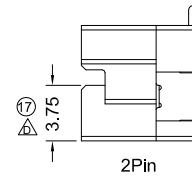
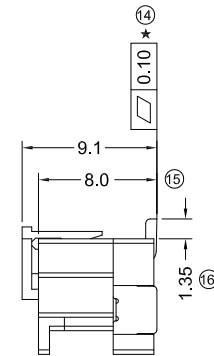
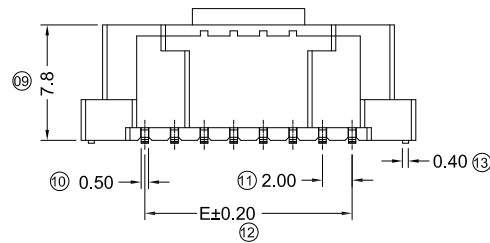
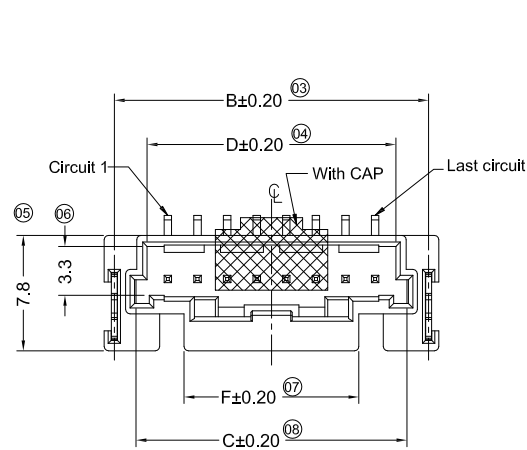
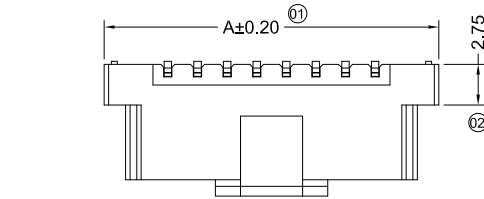
						GENERAL TOLERANCE	<div><div>GYAConnectors</div><div>东莞市国亚电子有限公司 Dong Guan Guo Ya Connectors co., Ltd.</div></div>				PART NO. 2008WVS-1xXX-XXXBXXRRXXXQ				
						.X ±0.30					TITLE				
						.XX ±0.20					Pitch 2.00 mm 180° SMT Wafer Connector				
						.XXX ±0.10									
						X.° ±2°	APPROVAL	CHECK	DRAWN	DATE					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Yangzhengguo	Yangzhengyi	Lvtiansheng	2016/08/26	UNIT	SCALE	SHEET	REV	NUMBER
											mm	1 : 1	2 / 2	A0	A-000

RoHS



■ Specifications :

- Voltage rating: 125V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -40° ~+105°
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$
- Material(Pin): Brass
- Mates With GYA Housing : 2008H
- "★" Critical dimension



RECOMMENDED P.C.B LAYOUT
(TOLERANCE:±0.05)

2008 W V S - 1 x XX - XX X B 05 X R XXX Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- 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: 1xXX-Single Row 1xXXPin
⑥ Plastic material: 9T- PA9T 94V-0; LP- LCP 94V-0
⑦ Color: N-Natural; B-Black; R-Red; L-Blue
⑧ Metal material: B-Brass
⑨ Plating Code: 05-Matte Tin
⑩ Packing: W-Reel , With Mylar
C-Reel , With CAP
⑪ RoHS/HF: R-RoHS H-Halogen-Free
⑫ Sequence Number: 002-Coldsealing ; 02C-Heatsealing
⑬ Special code :Q-Automotive Connectors

Poles	Dimensions (mm)					
	A	B	C	D	E	F
02	10.60	9.23	6.30	4.80	2.00	6.30
03	12.60	11.23	8.30	6.80	4.00	5.80
04	14.60	13.23	10.30	8.80	6.00	7.80
05	16.60	15.23	12.30	10.80	8.00	9.80
06	18.60	17.23	14.30	12.80	10.00	11.80
07	20.60	19.23	16.30	14.80	12.00	11.80
08	22.60	21.23	18.30	16.80	14.00	11.80
09	24.60	23.23	20.30	18.80	16.00	11.80
10	26.60	25.23	22.30	20.80	18.00	11.80
11	28.60	27.23	24.30	22.80	20.00	11.80
12	30.60	29.23	26.30	24.80	22.00	11.80
13	32.60	31.23	28.30	26.80	24.00	11.80
14	34.60	33.23	30.30	28.80	26.00	11.80
15	36.60	35.23	32.30	30.80	28.00	11.80

GENERAL TOLERANCE

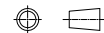
.X ±0.30

.XX ±0.20

.XXX ±0.10

X.° ±2°

PROJECT



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

PART NO.

2008WVS-1xXX-XXXB05XRXXXQ

TITLE

Pitch 2.00 mm 180° SMT Wafer Connectors

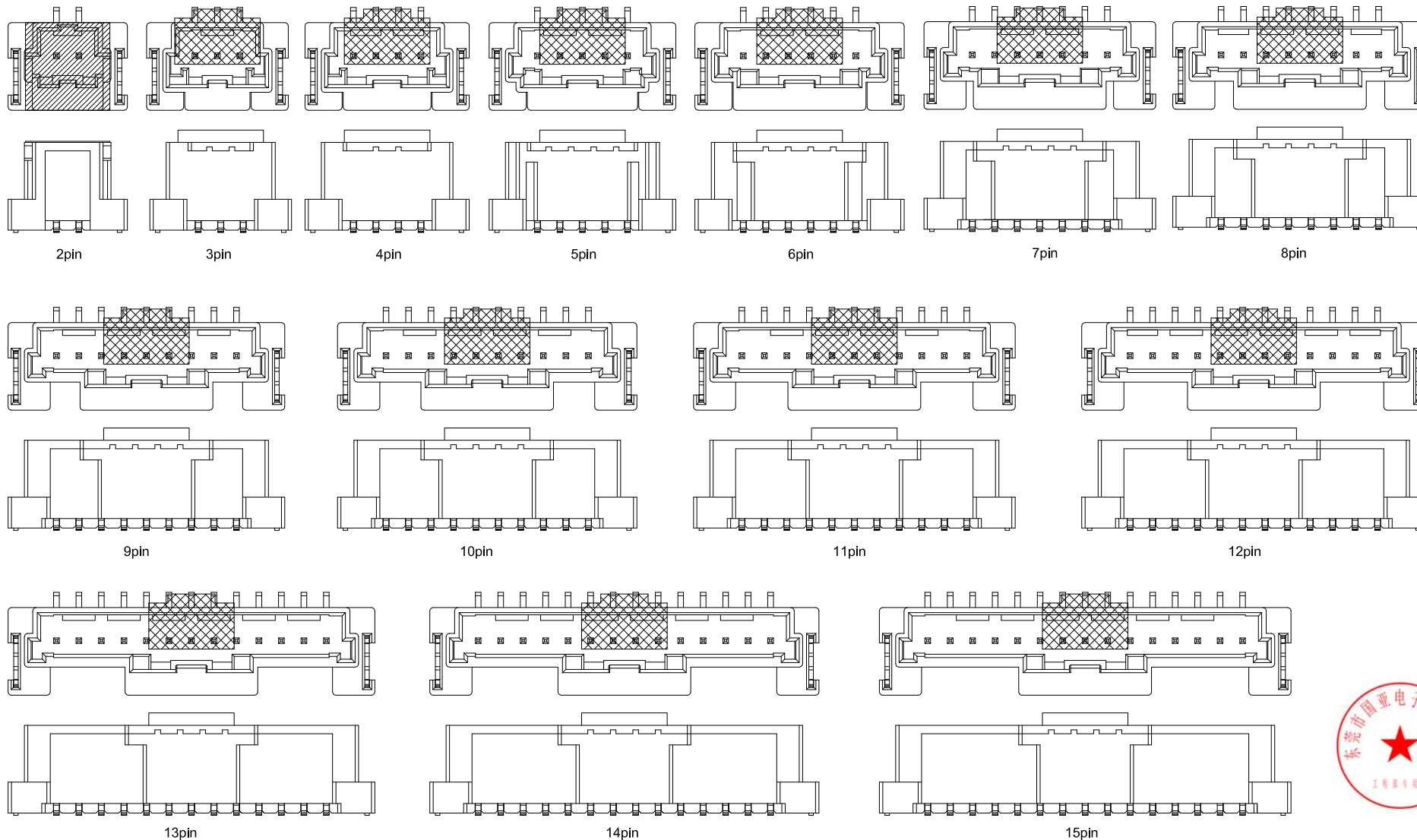
UNIT SCALE SHEET REV NUMBER

mm 1:1 1/2 A0 A-000

DATE REV ECN NO. DESCRIPTION MODIFY APPROVAL

1 2 3 4 5 6 7 8

RoHS



						GENERAL TOLERANCE		<div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司</div><div>Dong Guan Guo Ya Connectors co., ltd.</div></div>				PART NO.					
						.X ±0.30						2008WVS-1xXX-XXXB05XRXXXQ					
						.XX ±0.20											
						.XXX ±0.10											
						X.° ±2°		APPROVAL		CHECK	DRAWN	DATE					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT		Yangzhengguo		Yangzhengyi	Lvtiansheng	2016/08/26	UNIT	SCALE	SHEET	REV	NUMBER
													mm	1:1	2/2	A0	A-000
1		2		3		4		5		6		7		8			