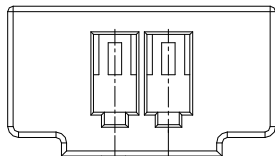


RoHS



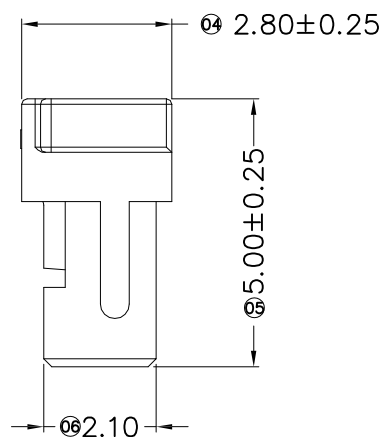
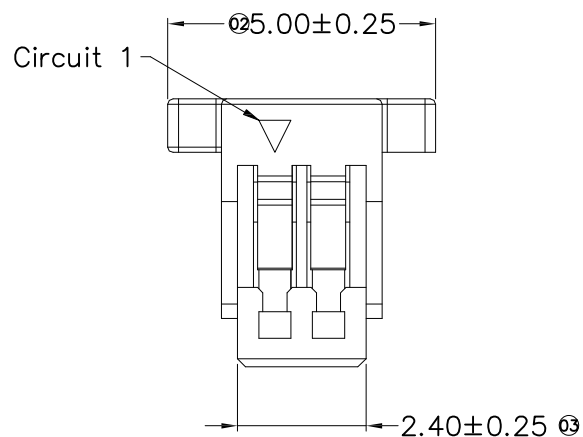
1.00±0.10 ①



### Specifications

- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~+85°
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤20mΩ
- After environmental testing : ≤40mΩ

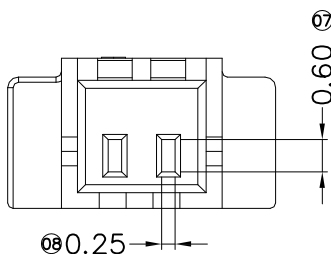
- Suitable GYA Terminal: 1002T
- Mates With GYA Wafer: 1002W



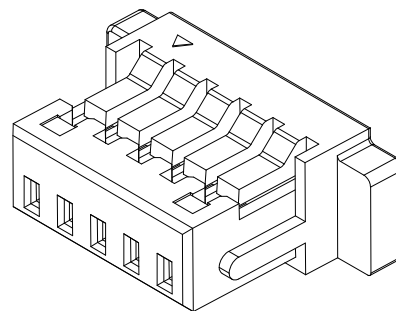
1002 H X-02 E-N0 XX XX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① SeriesNo.  
② Category : H-HSG  
③ WeldingBoardAngle : Blank-ordinary  
④ RowNo.-Pin No.: 02-02P  
⑤ Plug the Pin & speciaNo.: E-Have ears  
⑥ Material : N0-PA66 94V-0  
⑦ HF- Halogen Free ; Blank- Halogen  
⑧ Color: Blank-natural color

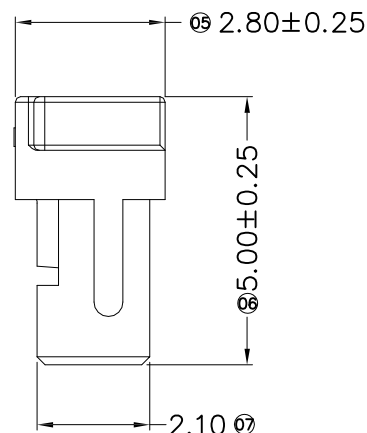


						GENERAL TOLERANCE		GYA 东莞市国亚电子有限公司 Connectors Dong Guan Guo Ya Connectors co., ltd.				PARTNO. 1002H-02E-N0HF				
						.X	±0.30					TITLE				
						.XX	±0.20	APPROVAL				1.00 mm Crimp Style Commctctors				
						.XXX	±0.10					UNIT	SCALE	SHEET	REV	NUMBER
						X.*	±2°	PROJECT				mm	1:1	1/1	A0	A-022
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL			Yangzhengguo	Yangzhengyi	Lvtiansheng	2016/08/26					



- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range:  $-25^{\circ} \sim +85^{\circ}$
- Insulation resistance:  $\geq 100\text{M}\Omega$
- Contact resistance:  $\leq 20\text{m}\Omega$
- After environmental testing:  $\leq 40\text{m}\Omega$

- Suitable GYA Terminal:1002T
- Mates With GYA Wafer:1002W




01 02 03 04 05 06 07 08

⑧Color: Blank—natural color



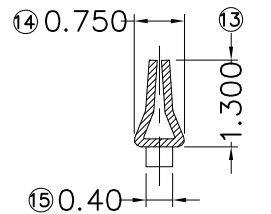
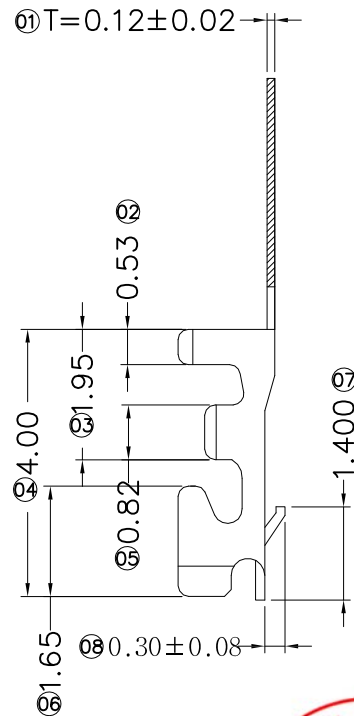
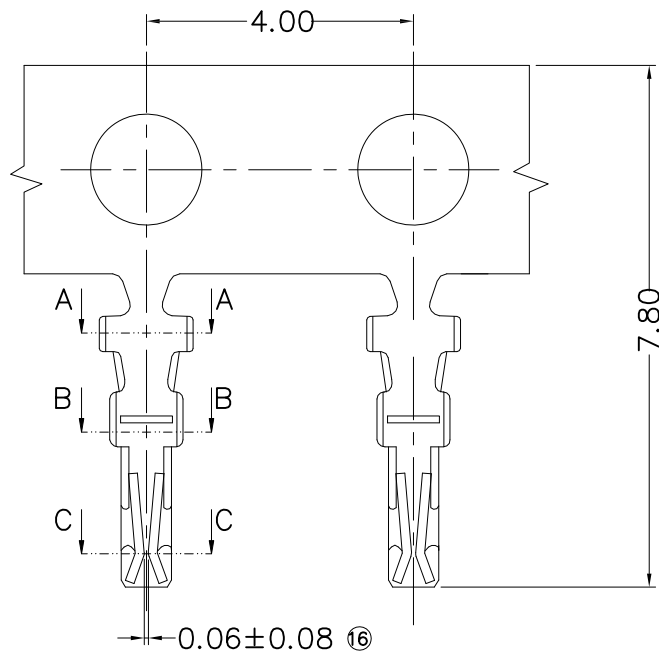
Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
02	1.00	5.00	2.40	13	12.00	16.00	13.40
03	2.00	6.00	3.40	14	13.00	17.00	14.40
04	3.00	7.00	4.40	15	14.00	18.00	15.40
05	4.00	8.00	5.40	16	15.00	19.00	16.40
06	5.00	9.00	6.40	17	16.00	20.00	17.40
07	6.00	10.00	7.40	18	17.00	21.00	18.40
08	7.00	11.00	8.40	19	18.00	22.00	19.40
09	8.00	12.00	9.40	20	19.00	23.00	20.40
10	9.00	13.00	10.40	22	21.00	25.00	22.40
11	10.00	14.00	11.40	24	23.00	27.00	24.40
12	11.00	15.00	12.40				

						GENERAL TOLERANCE		<div><div><div>GYA</div><div>Connectors</div></div><div>东莞市国亚电子有限公司 Dong Guan Guo Ya Connectors co., Ltd.</div></div>				PARTNO. 1002H-XXE-NOHF									
						.X	±0.30					<div><div>APPROVAL</div><div>CHECK</div><div>DRAWN</div><div>DATE</div></div> <div><div>Yangzhengguo</div><div>Yangzhengyi</div><div>Lvtiansheng</div><div>2016/08/26</div></div>					TITLE				
						.XX	±0.20										1.00 mm Crimp Style Connctctors				
						.XXX	±0.10														
						X.*	±2°														
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL	PROJECT 		Yangzhengguo		Yangzhengyi		Lvtiansheng		2016/08/26		UNIT mm	SCALE 1:1	SHEET 1/1	REV A0	NUMBER A-022	

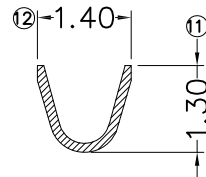
A horizontal number line with tick marks at 1, 2, 3, 4, 5, 6, 7, and 8. The segment between 1 and 2 is shaded gray.

FECDCEEA

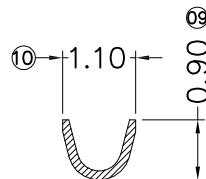
RoHS



SECTION C-C  
SCALE 1:1



SECTION A-A  
SCALE 1:1



SECTION B-B  
SCALE 1:1



## Specifications :

- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~ +85°
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤20mΩ
- After environmental testing : ≤40mΩ

1002 T X-P XX X-X  
① ② ③ ④ ⑤ ⑥ ⑦

- Series Number
- Category: T-terminal
- Shape : Blank-ordinary
- Material : P-Phosphor bronze
- Plating Code:  
V\*\*-All Gold-Plated ; \*01-Gold Flash ; \*03-3u"Au  
SN-Bright tin plating
- Plating method :  
Blank-Stamping before plating  
B-Plating before stamping
- MoldNo./Mark/Special No.

1002T-PV03	Phosphor Bronze	AWG#28-32	0.80mm(Max)	Stamping Before Pating:30u" Ni:Whole Gold :3u" Min.	1002H
1002T-PV01				Stamping Before Pating:30u" Ni:Whole Gold :Gold Flash	
1002T-PSN				Stamping Before Pating:30u" Ni:70u"Sn	
PART NO	Material	Wire Range	Insulation O.D.	Finish	Used In GYA Housing

DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL
1		2		4	

GENERAL TOLERANCE	
.X	±0.30
.XX	±0.20
.XXX	±0.10
X.*	±2°
PROJECT	
⊕	⊖

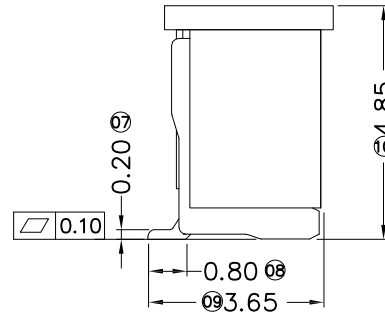
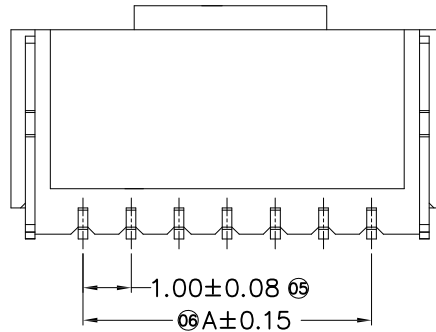
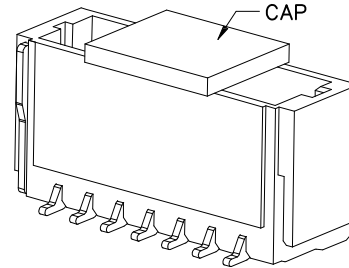
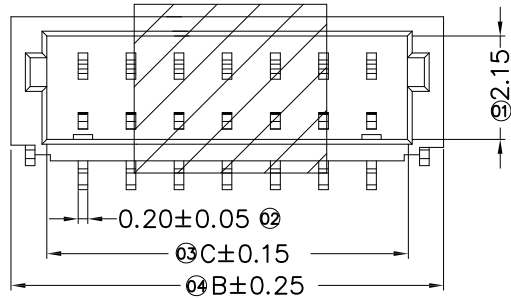
GYA  
Connectors

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

PARTNO. 1002T-PXXX				
TITLE 1.00 mm Crimp Style Connectors				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-014

RoHS



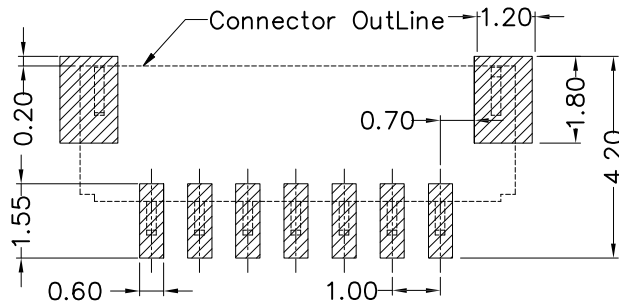
■ Specifications :

- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~+85°
- Insulation resistance:  $\geq 100M\Omega$
- Contact resistance:  $\leq 20m\Omega$
- After environmental testing :  $\leq 40m\Omega$
- Material(Pin And Solder Tabs): Phosphor Bronze
- Finish(Solder Tabs): Matte Tin Plating
- Mates With GYA Housing: 1002H-E

1002 W V S-XX E-LP XX XX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category : W-wafer
- ③ Connector type: V-180°
- ④ Mounting type: S-SMT
- ⑤ Row No.-Pin No per row: XX-02P~20P
- ⑥ Special No.: E-Ear clip
- ⑦ Plastic material : LP-LCP 94V-0
- ⑧ Plating Code: SW-Matte Tin plating (Tin: 70u Min)  
V01-All Gold Flash
- ⑨ Color: Blank-Natural color



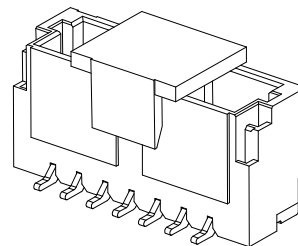
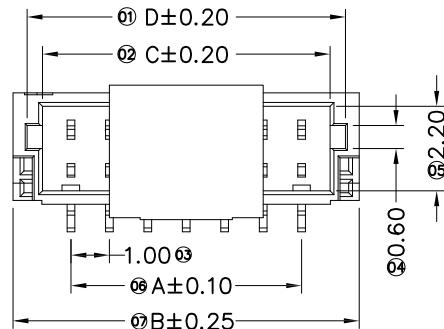
Recommended P.C.B Layout  
General Tolerance  $\pm 0.05$



Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
02	1.00	4.00	2.50	11	10.00	13.00	11.50
03	2.00	5.00	3.50	12	11.00	14.00	12.50
04	3.00	6.00	4.50	13	12.00	15.00	13.50
05	4.00	7.00	5.50	14	13.00	16.00	14.50
06	5.00	8.00	6.50	15	14.00	17.00	15.50
07	6.00	9.00	7.50	16	15.00	18.00	16.50
08	7.00	10.00	8.50	18	17.00	20.00	18.50
09	8.00	11.00	9.50	20	19.00	22.00	20.50
10	9.00	12.00	10.50				

DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE				PARTNO.			
						.X	$\pm 0.30$	.XX	$\pm 0.20$	1002WVS-XXE-LPXXXX			
PROJECT	YANGZHENG	GUO	YA	ELECTRONICS CO., LTD.	DONGGUAN	APPROVAL				TITLE			
						YANGZHENG	GUO	YA	ELECTRONICS	1.00mm Crimp Style Connectors			
UNIT	SCALE	SHEET	REV	NUMBER	mm	1:1	1/1	A0	A-084				

RoHS

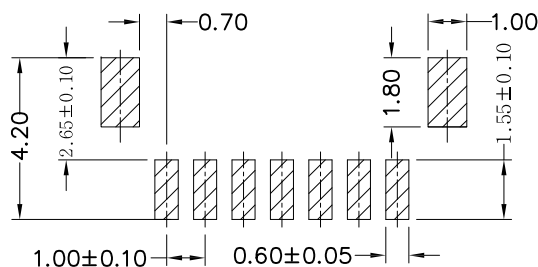
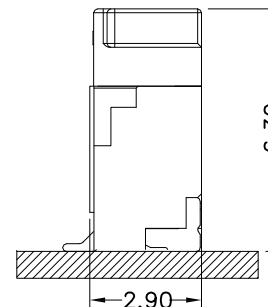
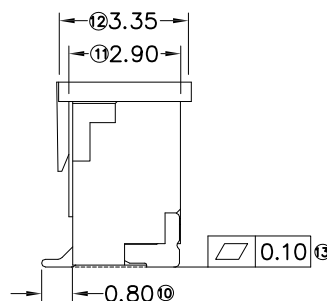
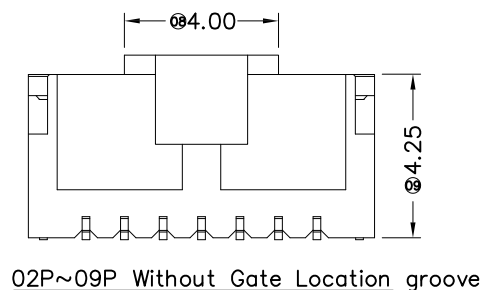


■ Specifications :

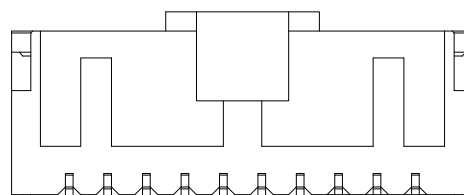
- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~ +85°
- Insulation resistance:  $\geq 100M\Omega$
- Contact resistance:  $\leq 20m\Omega$
- After environmental testing:  $\leq 40m\Omega$

1002 W V S-XX X- XX XXX XX  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- 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~24P  
⑥ Special No. C-Have CAP  
HF-Halogen Free  
⑦ Plastic Material : 4T-PA4T 94V-0;  
9T-PA9T 94V-0  
⑧ Plating Code: SW-Matte tin plating  
Sn: 100u" Min ; Ni: 50u" Min.  
⑨ Color: Blank-Natural Color



Recommend PCB Layout



10P With Gate Location groove and Other Pin  
Without Gate Location groove

Poles	Dimensions(mm)				Poles	Dimensions(mm)			
	A	B	C	D		A	B	C	D
02	1.00	4.00	2.48	3.28	12	11.00	14.00	12.48	13.28
03	2.00	5.00	3.48	4.28	13	12.00	15.00	13.48	14.28
04	3.00	6.00	4.48	5.28	14	13.00	16.00	14.48	15.28
05	4.00	7.00	5.48	6.28	15	14.00	17.00	15.48	16.28
06	5.00	8.00	6.48	7.28	16	15.00	18.00	16.48	17.28
07	6.00	9.00	7.48	8.28	17	16.00	19.00	17.48	18.28
08	7.00	10.00	8.48	9.28	18	17.00	20.00	18.48	19.28
09	8.00	11.00	9.48	10.28	19	18.00	21.00	19.48	20.28
10	9.00	12.00	10.48	11.28	20	19.00	22.00	20.48	21.28
11	10.00	13.00	11.48	12.28	24	23.00	26.00	24.48	25.28

1002WVS-XXCHF-4TSW	Nylon 4T UL 94V-0 Halogen Free	LCP UL94V-0 Color : Black	Phosphor Bronze	Brass	Matte Tin-Plated	1002H
1002WVS-XXCHF-9TSW	Nylon 9T UL 94V-0 Halogen Free					
PART NO	Housing Material	Cap Material	PIN Material	Solder Tab Material	Finish(Pin And Solder Tabs)	Mates With GYA Housing

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

PARTNO.

1002WVS-XXCHF-XTSW

TITLE

1.00mm Crimp Style Connectors

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

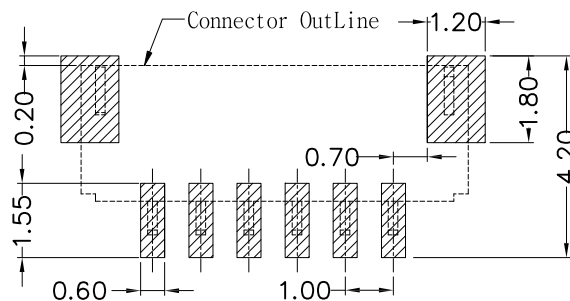
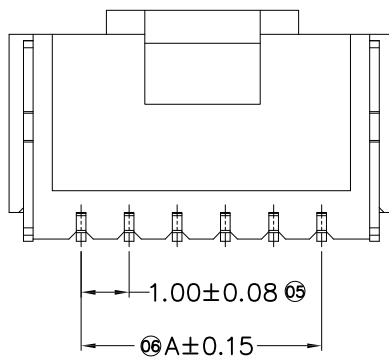
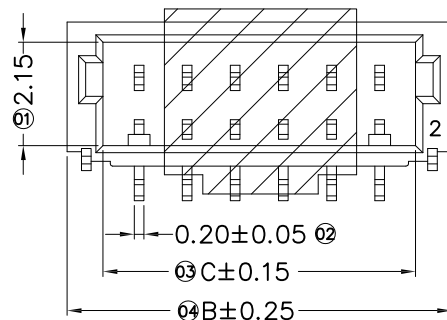
1/1

A0

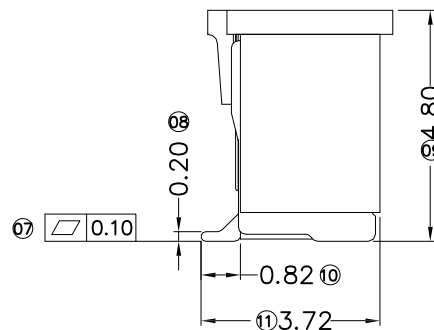
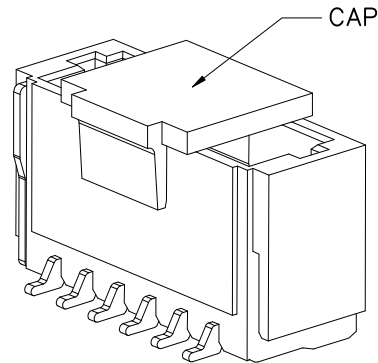
A-000

DATE REV ECN NO DESCRIPTION MODIFY APPROVAL

RoHS



Recommended P.C.B Layout  
General Tolerance±0.05



■ Specifications :

- Voltage rating: 50V AC / DC
- Current rating: 1.0A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~+85°
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤20mΩ
- After environmental testing: ≤40mΩ
- Material (Pin ): Phosphor Bronze
- Material (Solder Tabs) : Brass
- Mates With GYA Housing: 1002H

1002W V S -1xXX -XX X P XX C X 001F

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: 4T- PA4T LP-LCP 94V-0
- ⑦ Color : N-Natural B-Black
- ⑧ Metal material: P-Phosphor Bronze
- ⑨ Plating Code: 04-Matte Tin 10-Gold Flash
- ⑩ Packing: C-Reel With CAP
- ⑪ RoHS/HF code: H-Halogen-free R-RoHS
- ⑫ Sequence Number: 001
- ⑬ Special code: F-Other Connectors

Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
02	1.00	4.00	2.50	10	9.00	12.00	10.50
03	2.00	5.00	3.50	11	10.00	13.00	11.50
04	3.00	6.00	4.50	12	11.00	14.00	12.50
05	4.00	7.00	5.50	13	12.00	15.00	13.50
06	5.00	8.00	6.50	14	13.00	16.00	14.50
07	6.00	9.00	7.50	15	14.00	17.00	15.50
08	7.00	10.00	8.50	16	15.00	18.00	16.50
09	8.00	11.00	9.50				

GENERAL TOLERANCE

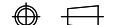
.X ±0.30

.XX ±0.20

.XXX ±0.10

X.\* ±2°

PROJECT



**GYA**  
Connectors

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

APPROVAL

Yangzhengguo

CHECK

Yangzhengyi

DRAWN

Lvtiansheng

DATE

2016/08/26

PARTNO.

1002WVS-1xXX-XXXPXXC001F

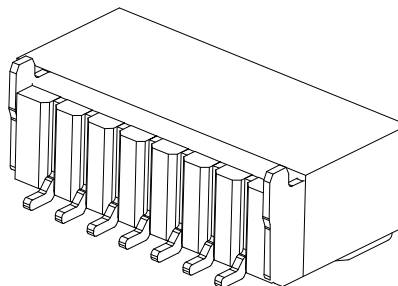
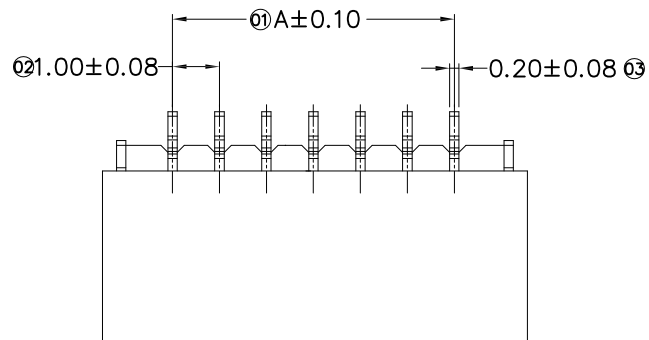
TITLE

1.00mm Crimp Style Connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-082

DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL
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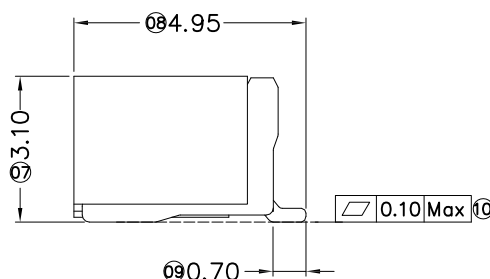
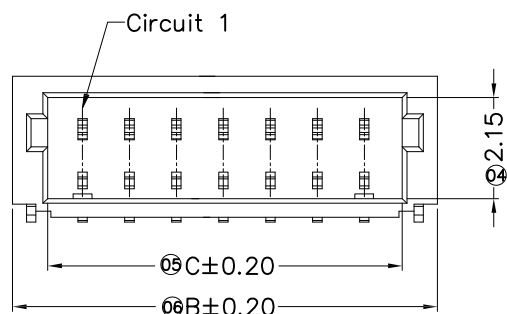
RoHS



### Specifications :

- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~+85°
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤20mΩ
- After environmental testing : ≤40mΩ

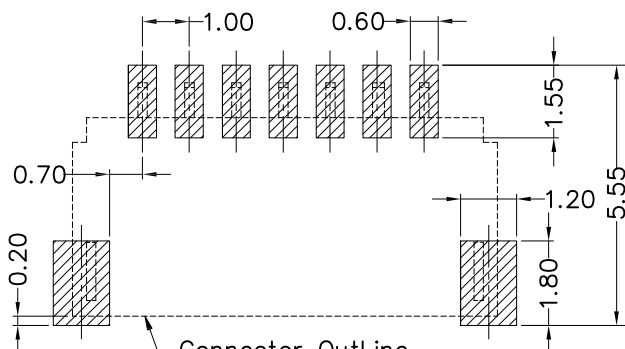
- Material(Pin and Solder Tabs ):Phosphor Bronze
- Finish(Solder Tabs): Matte Tin Plating
- Mates With GYA Housing:1002H-E



1002 W R S-XX E-LP XX XX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category : W-wafer
- ③ Connector type: R-90°
- ④ Mounting type: S-SMT
- ⑤ Row No.-Pin No per row: XX-02P~20P
- ⑥ Special No.: E-Ear clip
- ⑦ Plastic Material : LP-LCP 94V-0
- ⑧ Planting Code:
  - V01-Gold Flash
  - SW-Matte Tin plating
- ⑨ Color: Blank-natural color  
BK-Black



Connector Outline  
Recommended P.C.B Layout  
General Tolerance±0.05



Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
02	1.00	4.00	2.50	10	9.00	12.00	10.50
03	2.00	5.00	3.50	11	10.00	13.00	11.50
04	3.00	6.00	4.50	12	11.00	14.00	12.50
05	4.00	7.00	5.50	13	12.00	15.00	13.50
06	5.00	8.00	6.50	14	13.00	16.00	14.50
07	6.00	9.00	7.50	15	14.00	17.00	15.50
08	7.00	10.00	8.50	16	15.00	18.00	16.50
09	8.00	11.00	9.50	20	19.00	22.00	20.50

#### 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

Yangzhengguo

Yangzhengyi

Lvtiansheng

2016/08/26

#### PARTNO.

1002WRS-XXE-LPXXXX

#### TITLE

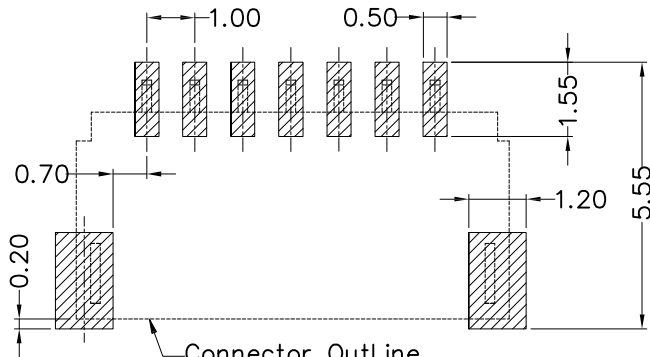
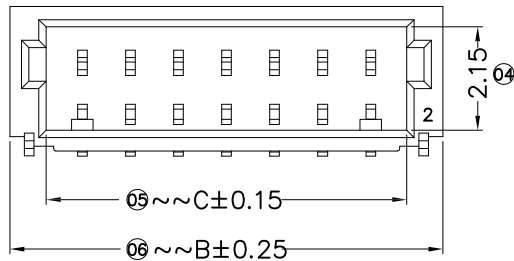
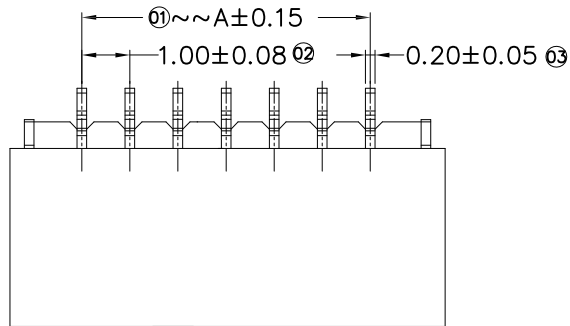
1.00 mm Crimp Style Connectors

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-084

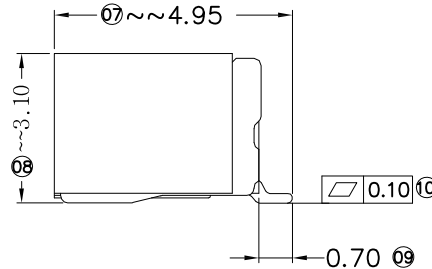
DATE	REV	ECN NO	DESCRIPTION	MODIFY	APPROVAL
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RoHS



Connector OutLine  
Recommended P.C.B Layout  
General Tolerance±0.05



■ Specifications :

- Voltage rating: 50V AC / DC
- Current rating: 1A AC / DC
- Withstanding voltage: 500V AC/minute
- Temperature range: -25° ~+85°
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤20mΩ
- After environmental testing : ≤40mΩ
- Material (Pin ):Phosphor Bronze
- Material (Solder Tabs) : Brass
- Mates With GYA Housing: 1002H

1002W R S -1xXX -XX X P XX R X 001F

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: 4T- PA4T LP-LCP 94V-0

⑦ Color : N-Natural B-Black

⑧ Metal material: P-Phosphor Bronze

⑨ Plating Code: 04-Matte Tin 10-Gold Flash

⑩ Packing: R-Reel

⑪ RoHS/HF Code: H-Halogen-free R-RoHS

⑫ Water code: 001

⑬ Special code: F-Other Connectors

Poles	Mating force(Kgf Max)		Poles	Mating force(Kgf Max)	
	First Insertion	30th Withdrawal		First Insertion	30th Withdrawal
02	2.0	0.32	09	4.0	0.50
03	2.0	0.35	10	4.0	0.50
04	2.0	0.35	11	5.0	0.60
05	3.0	0.40	12	5.0	0.60
06	3.0	0.40	13	5.0	0.60
07	3.0	0.40	14	6.0	0.70
08	4.0	0.50	15	6.0	0.70

Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
02	1.00	4.00	2.50	10	9.00	12.00	10.50
03	2.00	5.00	3.50	11	10.00	13.00	11.50
04	3.00	6.00	4.50	12	11.00	14.00	12.50
05	4.00	7.00	5.50	13	12.00	15.00	13.50
06	5.00	8.00	6.50	14	13.00	16.00	14.50
07	6.00	9.00	7.50	15	14.00	17.00	15.50
08	7.00	10.00	8.50	16	15.00	18.00	16.50
09	8.00	11.00	9.50				

GENERAL TOLERANCE

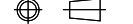
.X ±0.30

.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

PARTNO.

1002WRS-1xXX-XXXPXXRX001F

TITLE

Pict1.0mm 180° SMT Wafer

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A0	A-082

DATE

1

REV

2

ECN NO

DESCRIPTION

3

MODIFY

4

APPROVAL

5

APPROVAL

6

CHECK

7

DRAWN

DATE

8