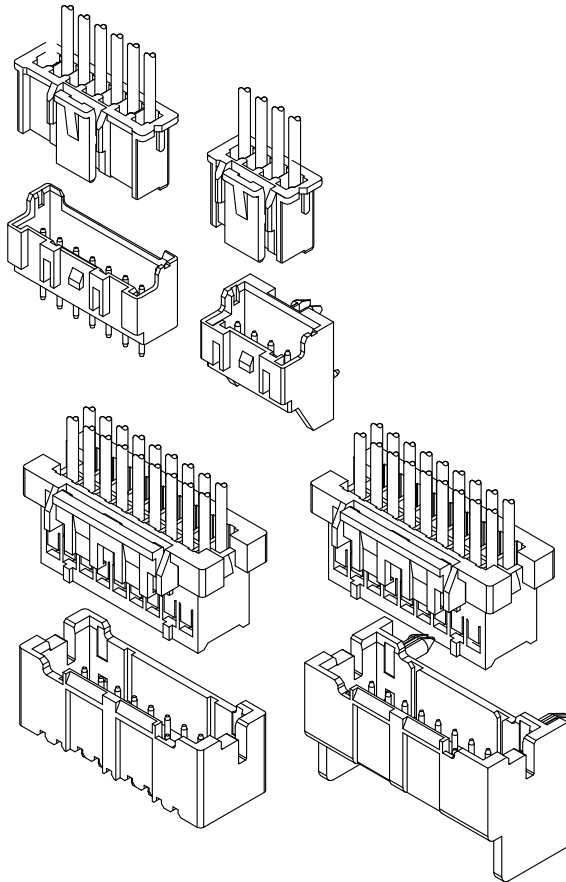


# A2508 XA/XAD CONNECTOR

2.50mm Pitch/Disconnectable Crimp style connectors



- Secure locking structure
- Low insertion force
- Suction area for picking up
- Improvement of engagement with prying

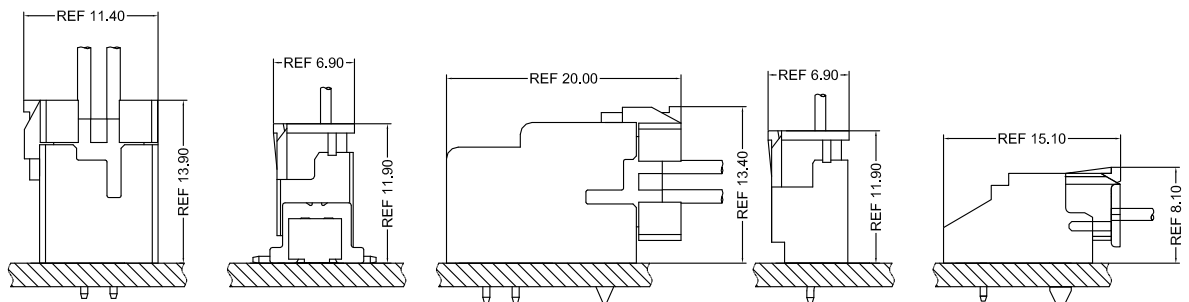
## Specifications:

- Current rating: 3 A / AC,DC (AWG #22)
- Voltage rating: 250 V AC/DC
- Temperature range: -25°C ~ +105°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20m  $\Omega$  max  
Insulation resistance: 1000 M  $\Omega$  min  
Withstanding voltage: 1000 VAC/minute  
Applicable wire: Conductor size/ AWG#26~#22  
Insulation O.D./ 1.1 to 1.60 mm

- \* Compliant with RoHS2/ REACH
- \* Refer to "General Instruction and Notice when using Terminals and Connectors"
- \* Contact CSG for details

## Material:

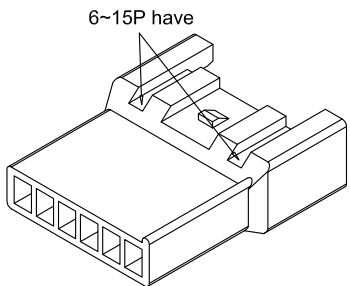
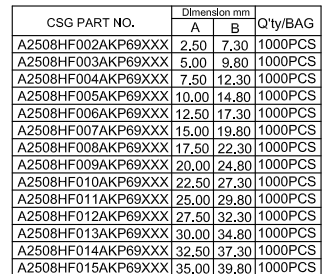
Housing: PA66/UL94-V0;Color:White  
Terminal: Phosphor/ Tin-plated  
DIP Wafer Housing: PA66,UL94-V0;Color:White/Beige  
DIP Wafer Pin: Brass/ Tin-plated  
SMT Wafer Housing: LCP6,UL94-V0;Color:Natural  
SMT Wafer Pin: Brass/ Tin-plated  
SMT Wafer Fixed Foot: Brass/ Tin-plated



- Note: 1. The above figure is the figure viewed from the connector mounting side.  
2. Tolerances are non-cumulative:  $\pm 0.08$  mm for all centers.  
3. The dimensions above should serve as a guideline. Contact CSG for details.

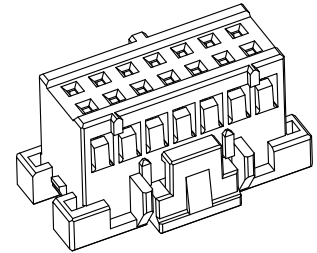
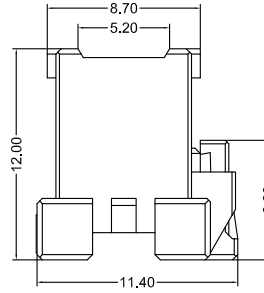
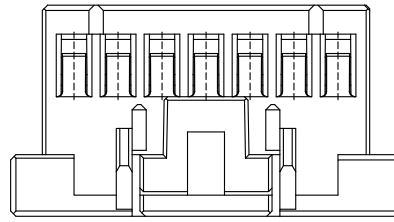
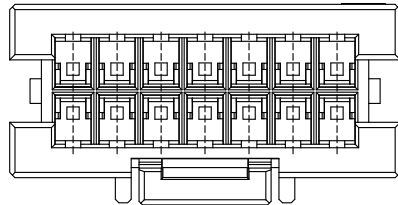
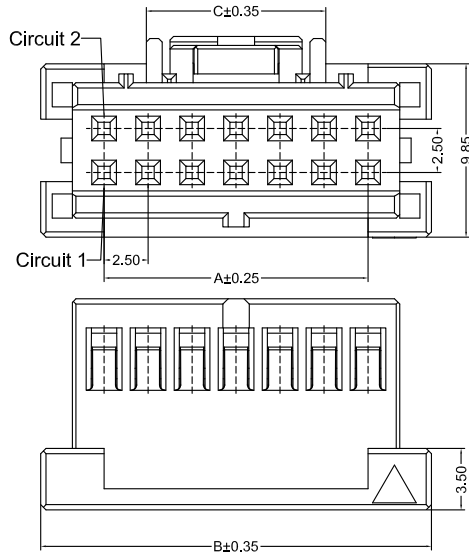
**CSG**

## CSG



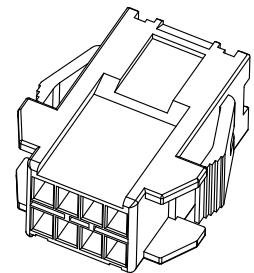
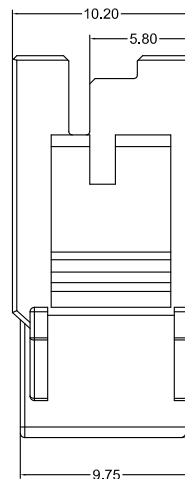
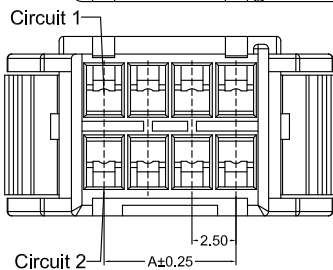
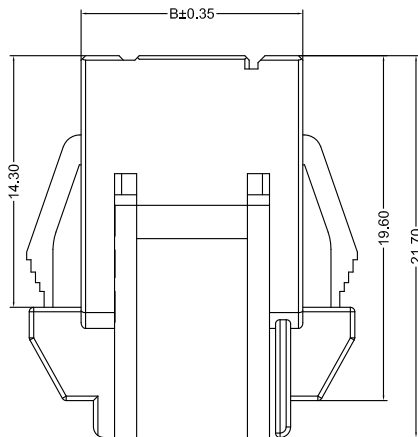
| CSG PART NO.       | Dimension mm |       | Q'ty/BAG |
|--------------------|--------------|-------|----------|
|                    | A            | B     |          |
| A2508HM002AAP69XXX | 2.50         | 7.30  | 1000PCS  |
| A2508HM003AAP69XXX | 5.00         | 9.80  | 1000PCS  |
| A2508HM004AAP69XXX | 7.50         | 12.30 | 1000PCS  |
| A2508HM005AAP69XXX | 10.00        | 14.80 | 1000PCS  |
| A2508HM006AAP69XXX | 12.50        | 17.30 | 1000PCS  |
| A2508HM007AAP69XXX | 15.00        | 19.80 | 1000PCS  |
| A2508HM008AAP69XXX | 17.50        | 22.30 | 1000PCS  |
| A2508HM009AAP69XXX | 20.00        | 24.80 | 1000PCS  |
| A2508HM010AAP69XXX | 22.50        | 27.30 | 1000PCS  |
| A2508HM011AAP69XXX | 25.00        | 29.80 | 1000PCS  |
| A2508HM012AAP69XXX | 27.50        | 32.30 | 1000PCS  |
| A2508HM013AAP69XXX | 30.00        | 34.80 | 1000PCS  |
| A2508HM014AAP69XXX | 32.50        | 37.30 | 1000PCS  |
| A2508HM015AAP69XXX | 35.00        | 39.80 | 1000PCS  |

# A2508 XA/XAD



A2508HF 2XX AK P6 9 XXX  
 PIN  
 205=2X5PINS  
 SPECIAL  
 AK=BUCKLE  
 Material  
 P6=PA66 94V-0  
 Code  
 195  
 209  
 Color  
 9=White

| CSG PART NO.       | Dimension mm |       |       | Q'ty/BAG |
|--------------------|--------------|-------|-------|----------|
|                    | A            | B     | C     |          |
| A2508HF204AKP69XXX | 7.50         | 14.90 | 9.60  | 1000PCS  |
| A2508HF205AKP69XXX | 10.00        | 17.40 | 9.60  | 1000PCS  |
| A2508HF206AKP69XXX | 12.50        | 19.90 | 10.20 | 1000PCS  |
| A2508HF207AKP69XXX | 15.00        | 22.40 | 10.20 | 1000PCS  |
| A2508HF208AKP69XXX | 17.50        | 24.90 | 10.20 | 1000PCS  |
| A2508HF209AKP69XXX | 20.00        | 27.40 | 17.70 | 1000PCS  |
| A2508HF210AKP69XXX | 22.50        | 29.90 | 17.70 | 1000PCS  |
| A2508HF211AKP69XXX | 25.00        | 32.40 | 17.70 | 1000PCS  |
| A2508HF212AKP69XXX | 27.50        | 34.90 | 17.70 | 1000PCS  |
| A2508HF213AKP69XXX | 30.00        | 37.40 | 17.70 | 1000PCS  |
| A2508HF214AKP69XXX | 32.50        | 39.90 | 17.70 | 1000PCS  |
| A2508HF220AKP69XXX | 47.50        | 54.90 | 17.70 | 1000PCS  |

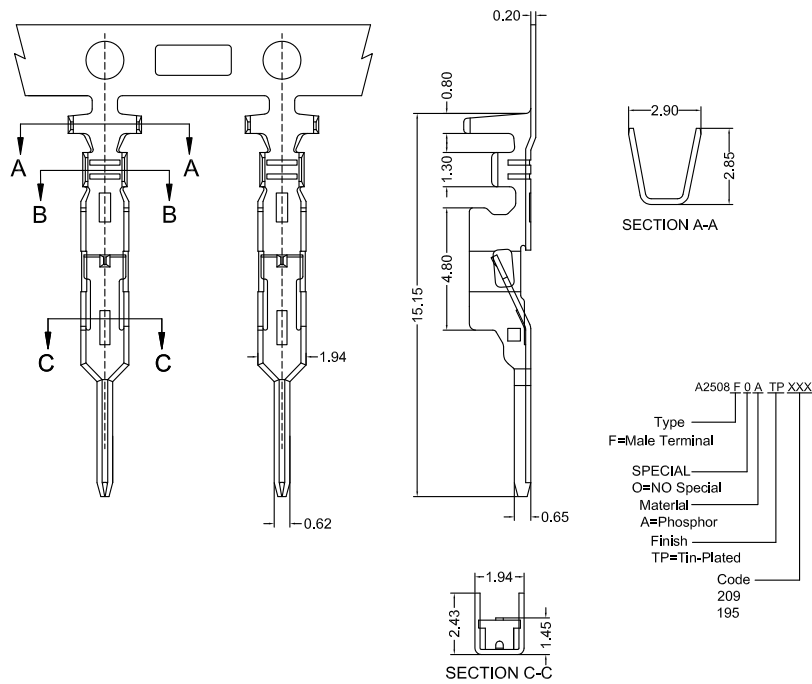


A2508HM 2XX AA P6 9 195  
 PIN  
 205=2X5PINS  
 SPECIAL  
 AA=NO Spectral  
 Material  
 P6=PA66 94V-0  
 Code  
 195  
 Color  
 9=White

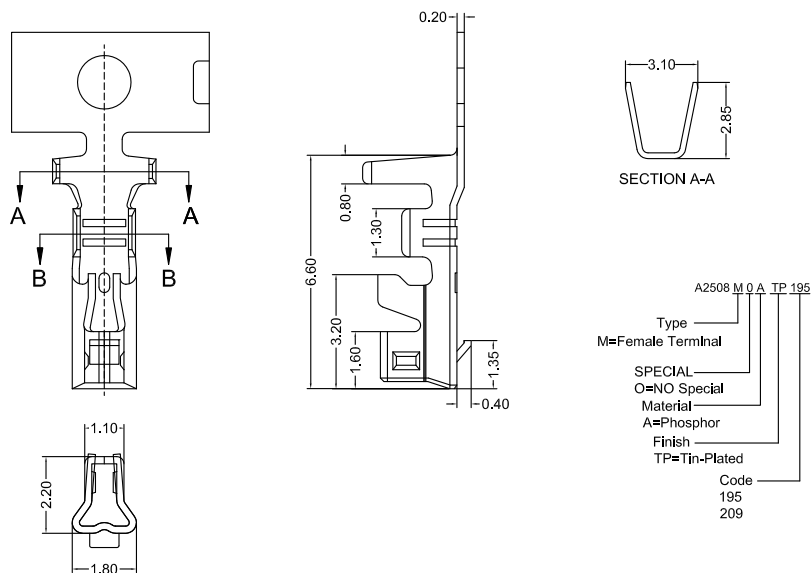
| CSG PART NO.       | Dimension mm |       | Q'ty/BAG |
|--------------------|--------------|-------|----------|
|                    | A            | B     |          |
| A2508HM004AAP69195 | 7.50         | 14.70 | 1000PCS  |
| A2508HM005AAP69195 | 10.00        | 17.20 | 1000PCS  |
| A2508HM006AAP69195 | 12.50        | 19.70 | 1000PCS  |
| A2508HM007AAP69195 | 15.00        | 22.20 | 1000PCS  |
| A2508HM008AAP69195 | 17.50        | 24.70 | 1000PCS  |
| A2508HM009AAP69195 | 20.00        | 27.20 | 1000PCS  |
| A2508HM010AAP69195 | 22.50        | 29.70 | 1000PCS  |
| A2508HM011AAP69195 | 25.00        | 32.20 | 1000PCS  |
| A2508HM012AAP69195 | 27.50        | 34.70 | 1000PCS  |
| A2508HM013AAP69195 | 30.00        | 37.20 | 1000PCS  |
| A2508HM014AAP69195 | 32.50        | 39.70 | 1000PCS  |
| A2508HM020AAP69195 | 47.50        | 54.70 | 1000PCS  |

**CSG**

# A2508 XA/XAD



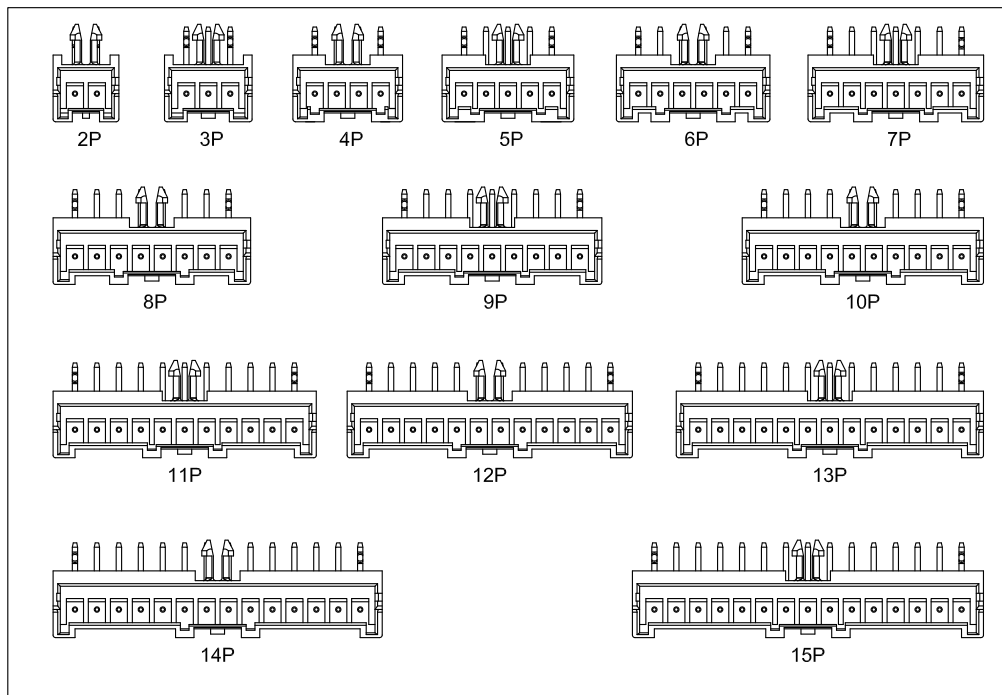
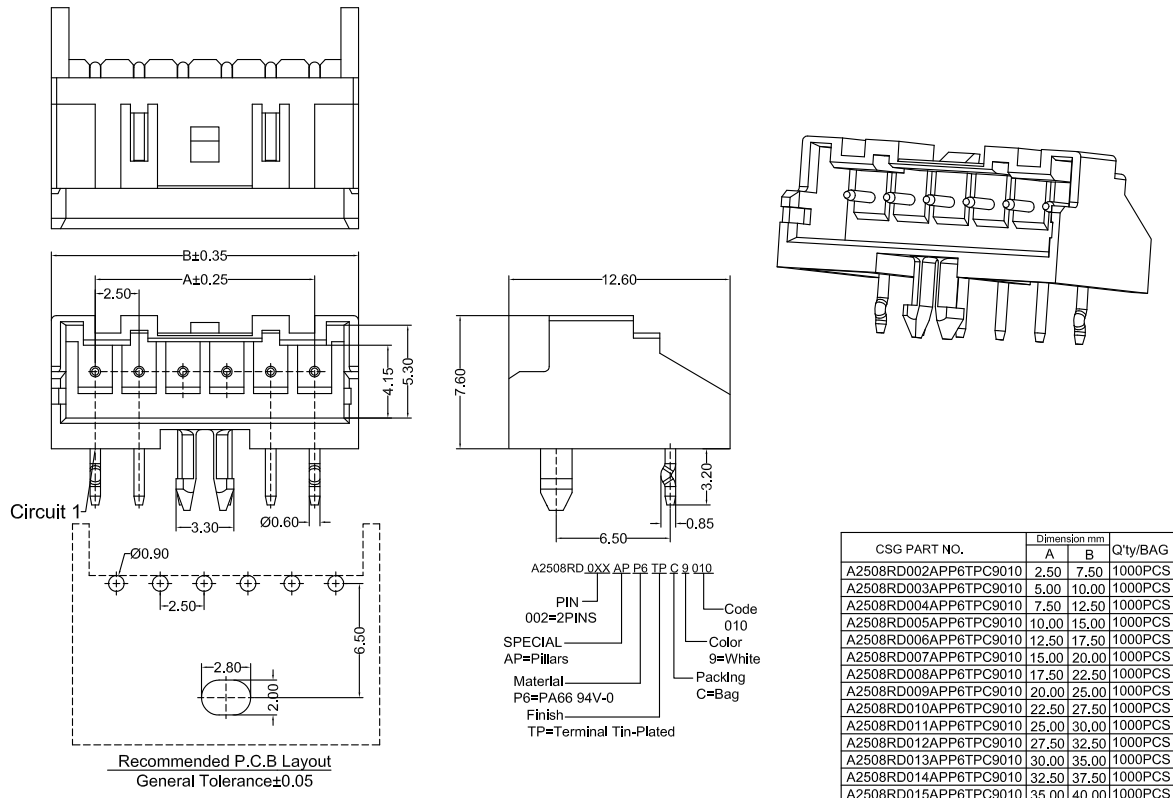
| CSG PART NO.  | Wire Range | Insulation O.D. | Q'ty/Reel |
|---------------|------------|-----------------|-----------|
| A2508F0ATP195 | AWG#22-#26 | 1.60mm(max)     | 7000PCS   |
| A2508F0ATP209 | AWG#22-#26 | 1.60mm(max)     | 7500PCS   |



| CSG PART NO.  | Wire Range | Insulation O.D. | Q'ty/Reel |
|---------------|------------|-----------------|-----------|
| A2508M0ATP195 | AWG#22-#28 | 1.60mm(max)     | 8000PCS   |
| A2508M0ATP209 | AWG#22-#28 | 1.60mm(max)     | 7500PCS   |

**CSG**

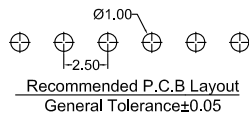
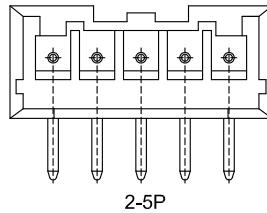
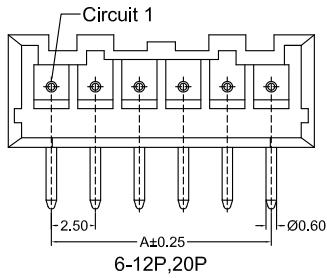
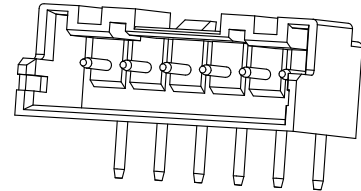
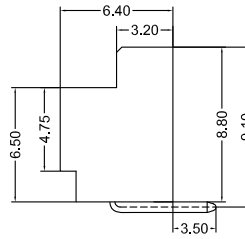
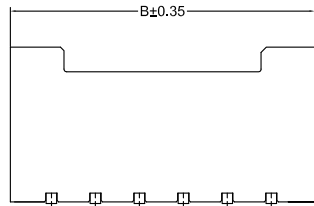
# A2508 XA/XAD



**CSG**

Tel: +86-769-85312070 85375507 E-mail: James@csg-china.com www.csg-china.com

# A2508 XA/XAD

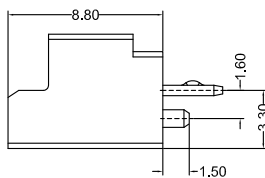
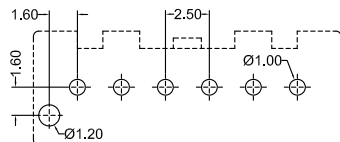
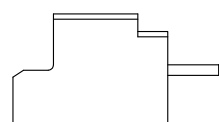
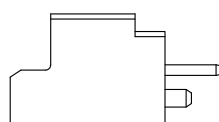
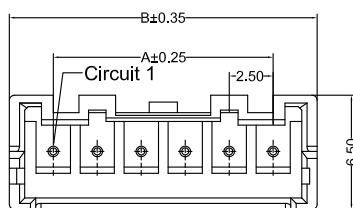
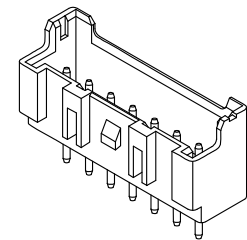
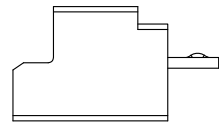
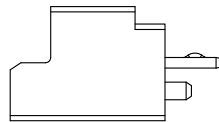
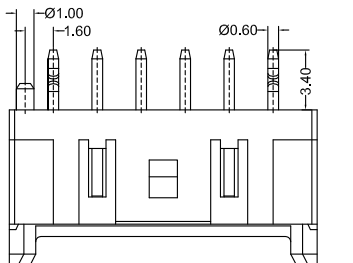


A2508RD 0XX AA P6 TP C 9 209

PIN  
002=2PINS  
SPECIAL  
AA=NO Special  
Material  
P6=PA66 94V-0  
Finish  
TP=Terminal Tin-Plated

Code  
209  
Color  
9=White  
PackIng  
C=Bag

| CSG PART NO.          | Dimension mm |       | Q'ty/BAG |
|-----------------------|--------------|-------|----------|
|                       | A            | B     |          |
| A2508RD002AAP6TPC9209 | 2.50         | 7.50  | 1000PCS  |
| A2508RD003AAP6TPC9209 | 5.00         | 10.00 | 1000PCS  |
| A2508RD004AAP6TPC9209 | 7.50         | 12.50 | 1000PCS  |
| A2508RD005AAP6TPC9209 | 10.00        | 15.00 | 1000PCS  |
| A2508RD006AAP6TPC9209 | 12.50        | 17.50 | 1000PCS  |
| A2508RD007AAP6TPC9209 | 15.00        | 20.00 | 1000PCS  |
| A2508RD008AAP6TPC9209 | 17.50        | 22.50 | 1000PCS  |
| A2508RD009AAP6TPC9209 | 20.00        | 25.00 | 1000PCS  |
| A2508RD010AAP6TPC9209 | 22.50        | 27.50 | 1000PCS  |
| A2508RD011AAP6TPC9209 | 25.00        | 30.00 | 1000PCS  |
| A2508RD012AAP6TPC9209 | 27.50        | 32.50 | 1000PCS  |
| A2508RD020AAP6TPC9209 | 47.50        | 52.50 | 1000PCS  |



A2508VD 0XX XX P6 TP C X XXX

PIN  
002=2PINS  
SPECIAL  
AA=NO K  
AK=K Feet  
AO=Orientation NO K  
PK=Orientation K  
Material  
P6=PA66 94V-0  
Finish  
TP=Terminal Tin-Plated

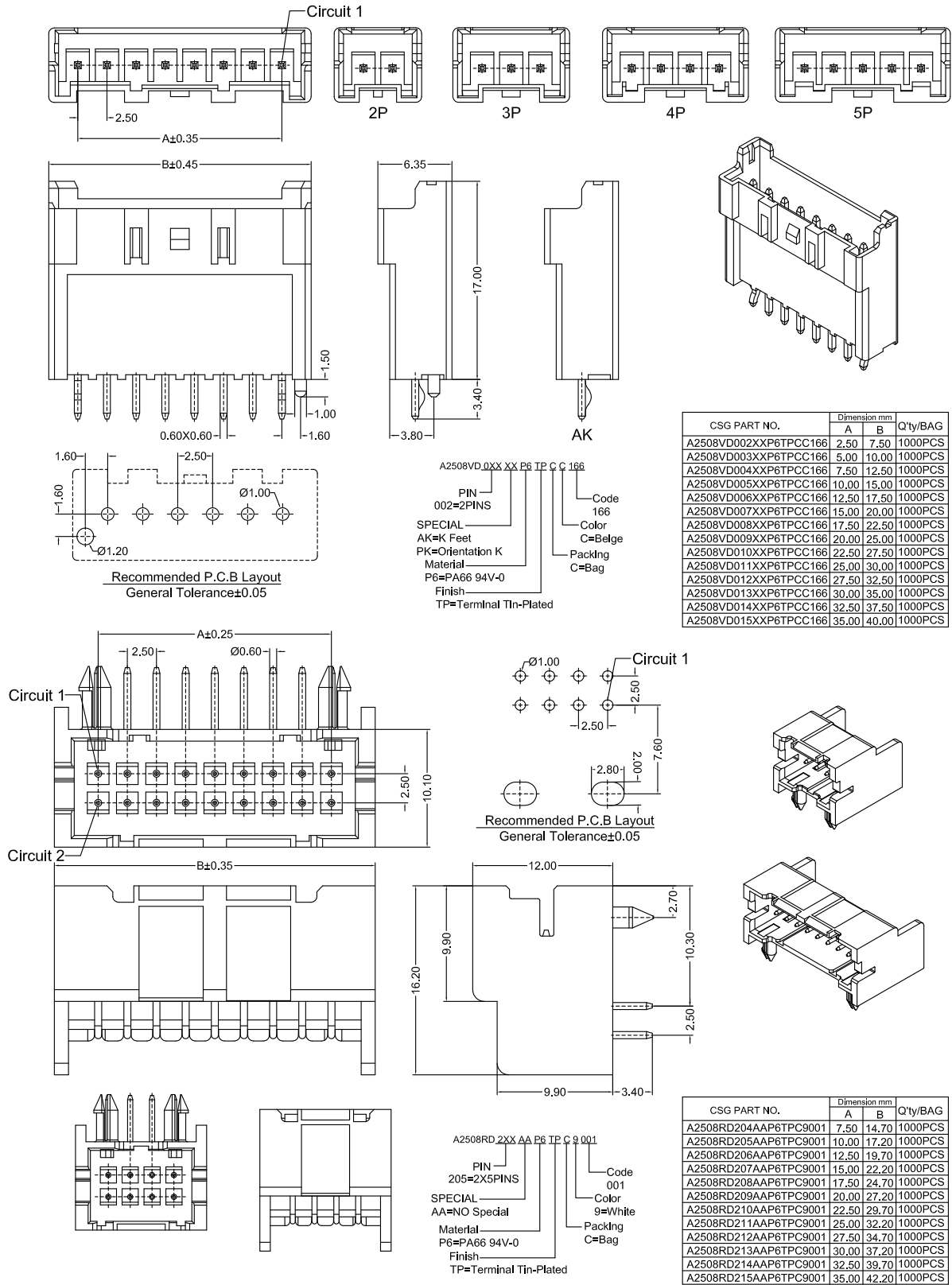
Code  
209  
195  
Color  
9=White  
C=Belge  
PackIng  
C=Bag

| CSG PART NO.          | Dimension mm |       | Q'ty/BAG |
|-----------------------|--------------|-------|----------|
|                       | A            | B     |          |
| A2508VD002XXP6TPCXXXX | 2.50         | 7.50  | 1000PCS  |
| A2508VD003XXP6TPCXXXX | 5.00         | 10.00 | 1000PCS  |
| A2508VD004XXP6TPCXXXX | 7.50         | 12.50 | 1000PCS  |
| A2508VD005XXP6TPCXXXX | 10.00        | 15.00 | 1000PCS  |
| A2508VD006XXP6TPCXXXX | 12.50        | 17.50 | 1000PCS  |
| A2508VD007XXP6TPCXXXX | 15.00        | 20.00 | 1000PCS  |
| A2508VD008XXP6TPCXXXX | 17.50        | 22.50 | 1000PCS  |
| A2508VD009XXP6TPCXXXX | 20.00        | 25.00 | 1000PCS  |
| A2508VD010XXP6TPCXXXX | 22.50        | 27.50 | 1000PCS  |
| A2508VD011XXP6TPCXXXX | 25.00        | 30.00 | 1000PCS  |
| A2508VD012XXP6TPCXXXX | 27.50        | 32.50 | 1000PCS  |
| A2508VD013XXP6TPCXXXX | 30.00        | 35.00 | 1000PCS  |
| A2508VD014XXP6TPCXXXX | 32.50        | 37.50 | 1000PCS  |
| A2508VD015XXP6TPCXXXX | 35.00        | 40.00 | 1000PCS  |
| A2508VD020XXP6TPCXXXX | 47.50        | 52.50 | 1000PCS  |

**CSG**

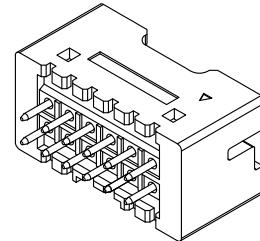
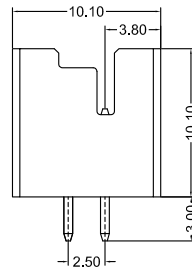
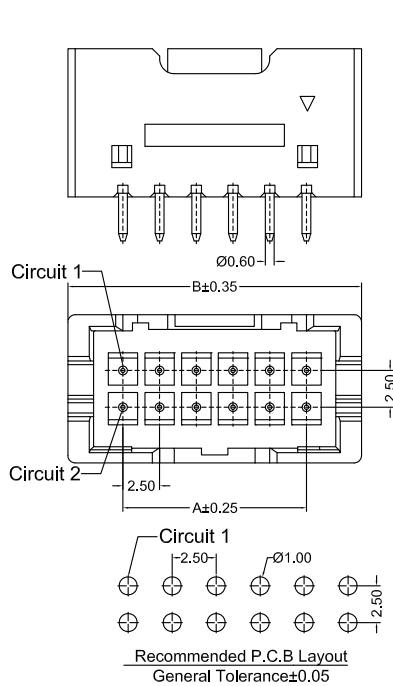
Tel:+86-769-85312070 85375507 E-mail:James@csg-china.com www.csg-china.com

# A2508 XA/XAD



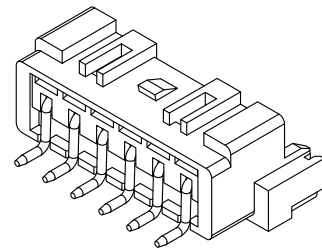
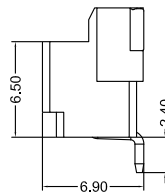
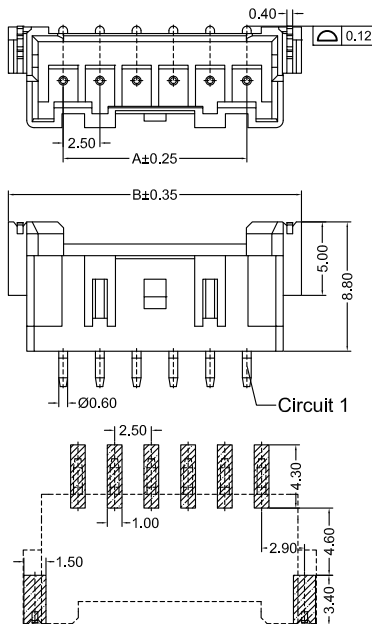
**CSG**

# A2508 XA/XAD



A2508VD 2XX AA P6 TP C 9 209  
 PIN  
 205=2X5PINS  
 SPECIAL  
 AA=NO Special  
 Material  
 P6=PA66 94V-0  
 Finish  
 TP=Terminal Tin-Plated  
 Code  
 209  
 Color  
 9=White  
 Packing  
 C=Bag

| CSG PART NO.          | Dimension mm |       | Q'ty/BAG |
|-----------------------|--------------|-------|----------|
|                       | A            | B     |          |
| A2508VD204AAP6TPC9209 | 7.50         | 15.00 | 1000PCS  |
| A2508VD205AAP6TPC9209 | 10.00        | 17.50 | 1000PCS  |
| A2508VD206AAP6TPC9209 | 12.50        | 20.00 | 1000PCS  |
| A2508VD207AAP6TPC9209 | 15.00        | 22.50 | 1000PCS  |
| A2508VD208AAP6TPC9209 | 17.50        | 25.00 | 1000PCS  |
| A2508VD209AAP6TPC9209 | 20.00        | 27.50 | 1000PCS  |
| A2508VD210AAP6TPC9209 | 22.50        | 30.00 | 1000PCS  |
| A2508VD211AAP6TPC9209 | 25.00        | 32.50 | 1000PCS  |
| A2508VD212AAP6TPC9209 | 27.50        | 35.00 | 1000PCS  |
| A2508VD213AAP6TPC9209 | 30.00        | 37.50 | 1000PCS  |
| A2508VD214AAP6TPC9209 | 32.50        | 40.00 | 1000PCS  |
| A2508VD215AAP6TPC9209 | 35.00        | 42.50 | 1000PCS  |

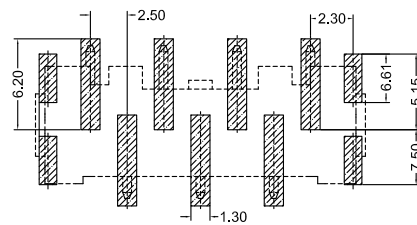
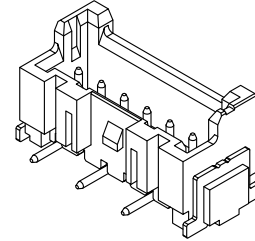
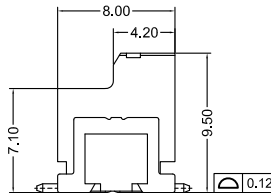
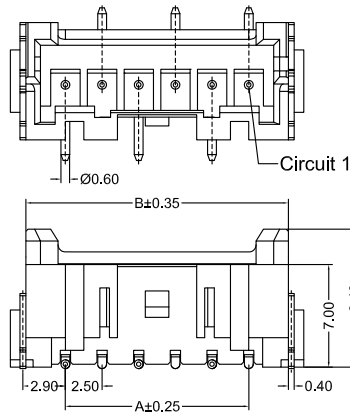


A2508RS 0XX AA 6T TP B A 209  
 PIN  
 205=2X5PINS  
 SPECIAL  
 AA=NO Special  
 Material  
 6T=PA6T 94V-0  
 Finish  
 TP=Terminal Tin-Plated  
 Code  
 209  
 Color  
 A=Natural  
 Packing  
 B=Reel Packing

| CSG PART NO.          | Dimension mm |       | Q'ty/BAG |
|-----------------------|--------------|-------|----------|
|                       | A            | B     |          |
| A2508RS002AA6TTPBA209 | 2.50         | 10.00 | 1000PCS  |
| A2508RS003AA6TTPBA209 | 5.00         | 12.50 | 1000PCS  |
| A2508RS004AA6TTPBA209 | 7.50         | 15.00 | 1000PCS  |
| A2508RS005AA6TTPBA209 | 10.00        | 17.50 | 1000PCS  |
| A2508RS006AA6TTPBA209 | 12.50        | 20.00 | 1000PCS  |
| A2508RS007AA6TTPBA209 | 15.00        | 22.50 | 1000PCS  |
| A2508RS008AA6TTPBA209 | 17.50        | 25.00 | 1000PCS  |
| A2508RS009AA6TTPBA209 | 20.00        | 27.50 | 1000PCS  |
| A2508RS010AA6TTPBA209 | 22.50        | 30.00 | 1000PCS  |
| A2508RS011AA6TTPBA209 | 25.00        | 32.50 | 1000PCS  |
| A2508RS012AA6TTPBA209 | 27.50        | 35.00 | 1000PCS  |
| A2508RS013AA6TTPBA209 | 30.00        | 37.50 | 1000PCS  |
| A2508RS014AA6TTPBA209 | 32.50        | 40.00 | 1000PCS  |
| A2508RS015AA6TTPBA209 | 35.00        | 42.50 | 1000PCS  |

**CSG**

# A2508 XA/XAD



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

A2508VS.0XX AA 6T TP B A 209

PIN  
205=2X5PINS  
SPECIAL  
AA=NO Spedal  
Material  
6T=PA6T 94V-0  
Finish  
TP=Terminal Tin-Plated

Code  
209  
Color  
A=Natural  
Packing  
B=Reel Packing

| CSG PART NO.          | Dimension mm |       | Q'ty/BAG |
|-----------------------|--------------|-------|----------|
|                       | A            | B     |          |
| A2508VS002AA6TTPBA209 | 2.50         | 7.50  | 1000PCS  |
| A2508VS003AA6TTPBA209 | 5.00         | 10.00 | 1000PCS  |
| A2508VS004AA6TTPBA209 | 7.50         | 12.50 | 1000PCS  |
| A2508VS005AA6TTPBA209 | 10.00        | 15.00 | 1000PCS  |
| A2508VS006AA6TTPBA209 | 12.50        | 17.50 | 1000PCS  |
| A2508VS007AA6TTPBA209 | 15.00        | 20.00 | 1000PCS  |
| A2508VS008AA6TTPBA209 | 17.50        | 22.50 | 1000PCS  |
| A2508VS009AA6TTPBA209 | 20.00        | 25.00 | 1000PCS  |
| A2508VS010AA6TTPBA209 | 22.50        | 27.50 | 1000PCS  |
| A2508VS011AA6TTPBA209 | 25.00        | 30.00 | 1000PCS  |
| A2508VS012AA6TTPBA209 | 27.50        | 32.50 | 1000PCS  |
| A2508VS013AA6TTPBA209 | 30.00        | 35.00 | 1000PCS  |
| A2508VS014AA6TTPBA209 | 32.50        | 37.50 | 1000PCS  |
| A2508VS015AA6TTPBA209 | 35.00        | 40.00 | 1000PCS  |