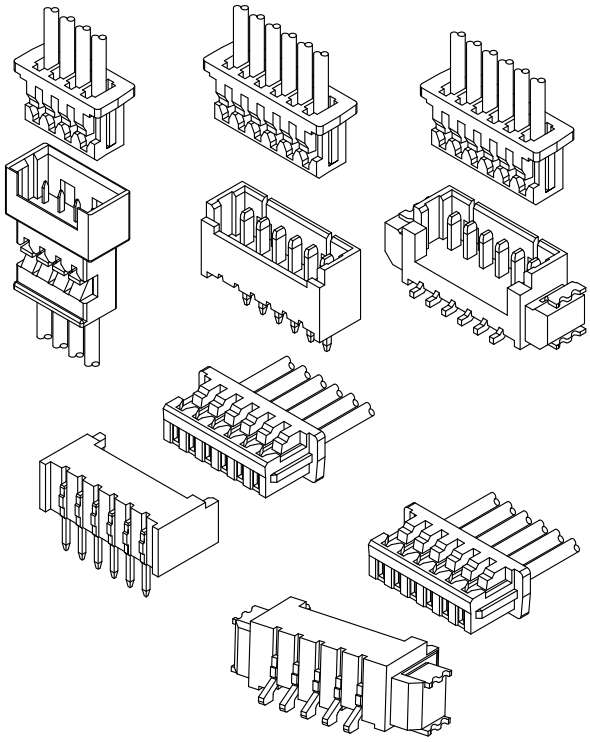
# A1250 51021 CONNECTOR

1.25mm Pitch/Disconnectable Crimp style connectors



E529482

- Secure lock device
- Low insertion force
- Prevention of contact deformation
- Suction area for picking up

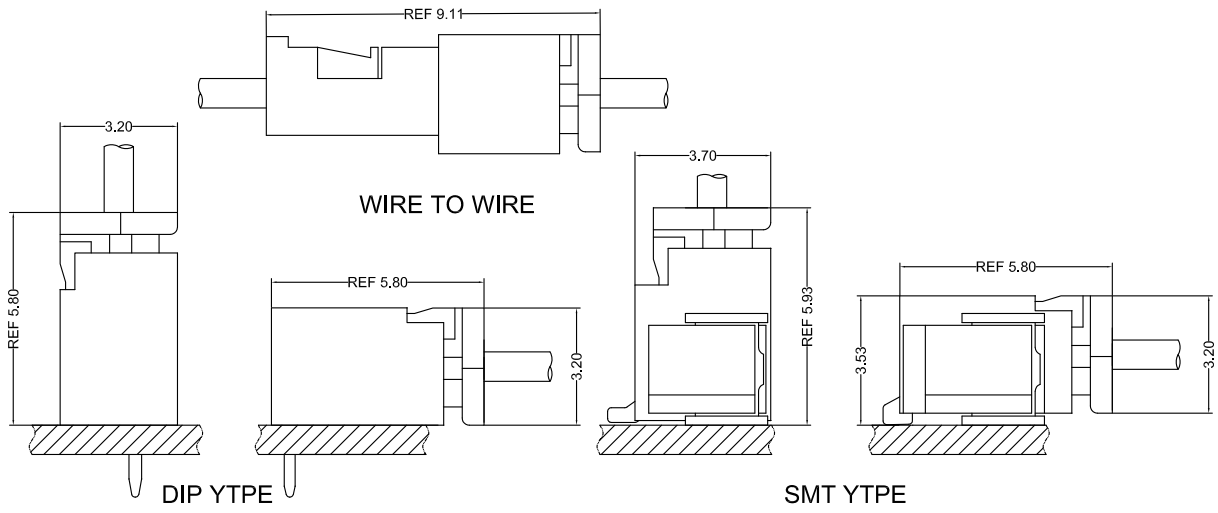
## Specifications:

- Current rating: 1.0 A / AC,DC
- Voltage rating: 125 V AC/DC
- Temperature range: -40℃～+105℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20mΩ max
  Insulation resistance: 100 MΩ min
  Withstanding voltage: 500 VAC/minute
  Applicable wire: Conductor size/ AWG#32~#28
  Insulation O.D./ 0.38 to 1.00 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/ Black
Terminal: Phosphor/ Tin-plated,Gold-Plated
DIP Wafer Housing: PA46/ PA66/ LCP,UL94-V0;
Color:White/ Gray
DIP Wafer Pin: Phosphor/ Tin-plated,Gold-Plated
SMT Wafer Housing: LCP,UL94-V0;Color:Natural
SMT Wafer Pin: Phosphor/ Tin-plated,Gold-Plated
Wafer Fixed Foot: Barss/ Tin-plated

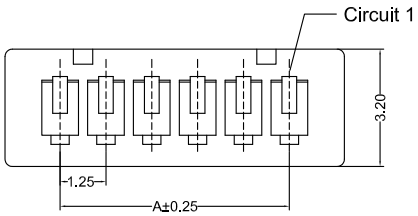


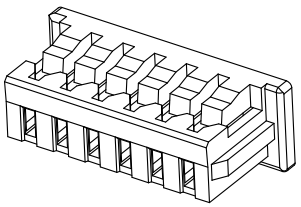

Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.08 mm for all centers.
3.The dimensions above should serve as a guideline.Contact CSG for details.

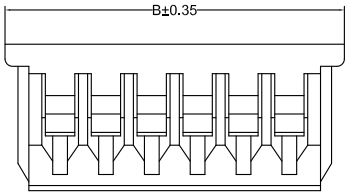
CSG

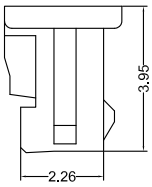
Tel:+86-769-85312070 85375507 E-mail:James@csg-china.com www.csg-china.com

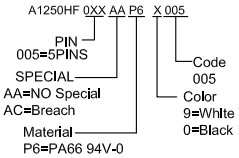
# A1250 51021

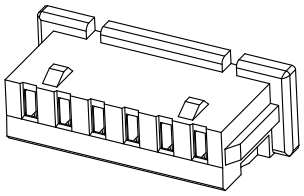


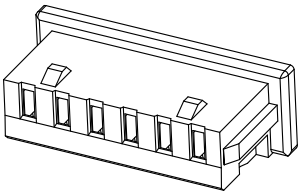


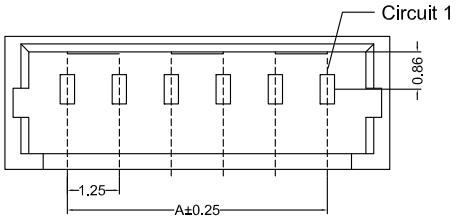



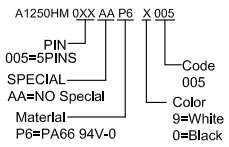
AC=Breach

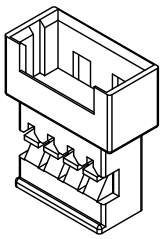


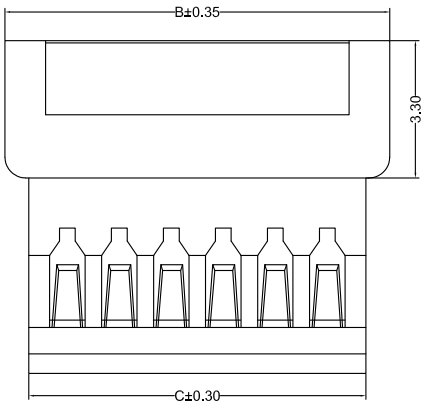
AA=NO Special

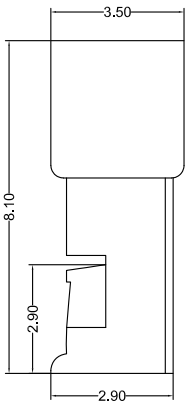
| CSG PART NO. | Dimension mm | | Q'ty/BAG |
|---|---|---|---|
| | A | B | |
| A1250HF002XXP6X005 | 1.25 | 4.25 | 1000PCS |
| A1250HF003XXP6X005 | 2.50 | 5.50 | 1000PCS |
| A1250HF004XXP6X005 | 3.75 | 6.75 | 1000PCS |
| A1250HF005XXP6X005 | 5.00 | 8.00 | 1000PCS |
| A1250HF006XXP6X005 | 6.25 | 9.25 | 1000PCS |
| A1250HF007XXP6X005 | 7.50 | 10.50 | 1000PCS |
| A1250HF008XXP6X005 | 8.75 | 11.75 | 1000PCS |
| A1250HF009XXP6X005 | 10.00 | 13.00 | 1000PCS |
| A1250HF010XXP6X005 | 11.25 | 14.25 | 1000PCS |
| A1250HF011XXP6X005 | 12.50 | 15.50 | 1000PCS |
| A1250HF012XXP6X005 | 13.75 | 16.75 | 1000PCS |
| A1250HF013XXP6X005 | 15.00 | 18.00 | 1000PCS |
| A1250HF014XXP6X005 | 16.25 | 19.25 | 1000PCS |
| A1250HF015XXP6X005 | 17.50 | 20.50 | 1000PCS |
| A1250HF016XXP6X005 | 18.75 | 21.75 | 1000PCS |





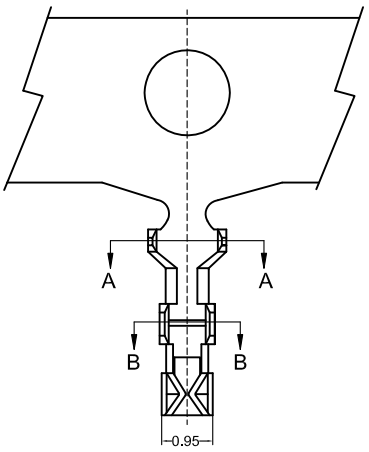



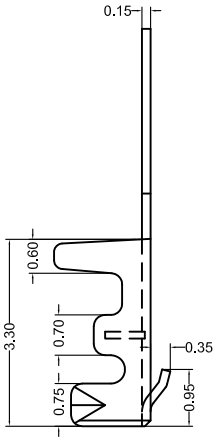

| CSG PART NO. | Dimension mm | | | Q'ty/BAG |
|---|---|---|---|---|
| | A | B | C | |
| A1250HM002XXP6X005 | 1.25 | 4.40 | 3.10 | 1000PCS |
| A1250HM003XXP6X005 | 2.50 | 5.65 | 4.35 | 1000PCS |
| A1250HM004XXP6X005 | 3.75 | 6.90 | 5.60 | 1000PCS |
| A1250HM005XXP6X005 | 5.00 | 8.15 | 6.85 | 1000PCS |
| A1250HM006XXP6X005 | 6.25 | 9.40 | 8.10 | 1000PCS |
| A1250HM007XXP6X005 | 7.50 | 10.65 | 9.35 | 1000PCS |
| A1250HM008XXP6X005 | 8.75 | 11.90 | 10.60 | 1000PCS |
| A1250HM009XXP6X005 | 10.00 | 13.15 | 11.85 | 1000PCS |
| A1250HM010XXP6X005 | 11.25 | 14.50 | 13.10 | 1000PCS |
| A1250HM011XXP6X005 | 12.50 | 15.65 | 14.35 | 1000PCS |
| A1250HM012XXP6X005 | 13.75 | 16.90 | 15.60 | 1000PCS |
| A1250HM013XXP6X005 | 15.00 | 18.15 | 16.85 | 1000PCS |
| A1250HM014XXP6X005 | 16.25 | 19.40 | 18.10 | 1000PCS |
| A1250HM015XXP6X005 | 17.50 | 20.65 | 19.35 | 1000PCS |
| A1250HM016XXP6X005 | 18.75 | 21.90 | 20.60 | 1000PCS |

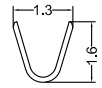

CSG

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

# A1250 51021



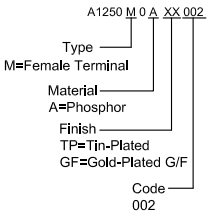



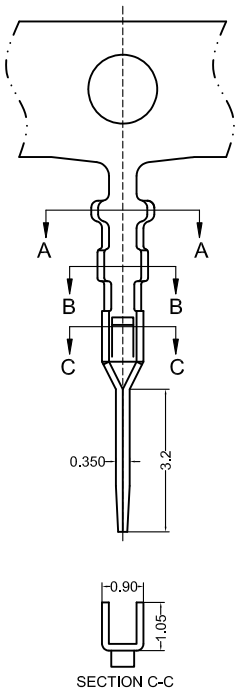

SECTION A-A



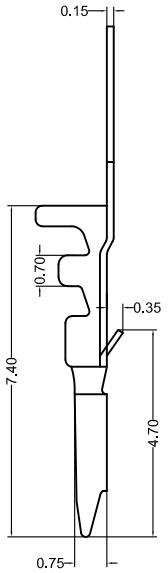

SECTION B-B

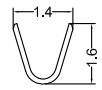



| CSG PART NO. | Wire Range | Insulation O.D. | Q'ty/Reel |
|---|---|---|---|
| A1250M0ATP002 | AWG#28~#32 | 1.00mm(max) | 15000PCS |
| A1250M0AGF002 | AWG#28~#32 | 1.00mm(max) | 15000PCS |




SECTION C-C

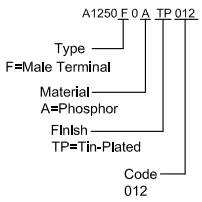



SECTION A-A




SECTION B-B

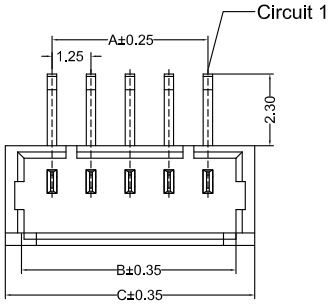


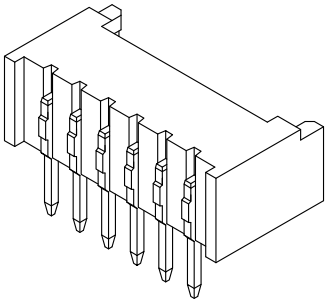

| CSG PART NO. | Wire Range | Insulation O.D. | Q'ty/Reel |
|---|---|---|---|
| A1250F0ATP012 | AWG#28~#32 | 1.00mm(max) | 20000PCS |

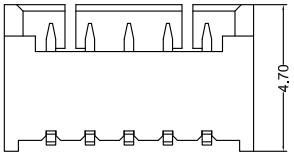
CSG

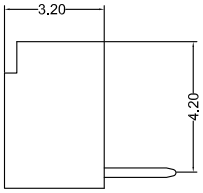
Tel:+86-769-85312070 85375507 E-mail:James@csg-china.com www.csg-china.com

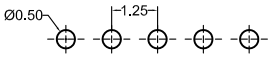
# A1250 51021





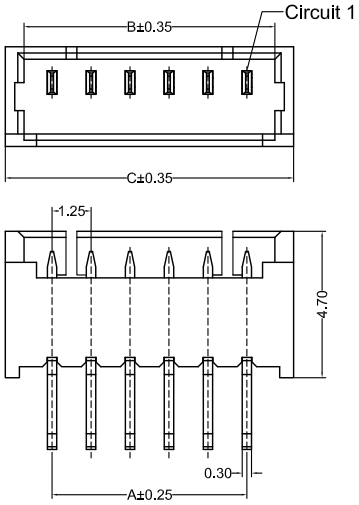



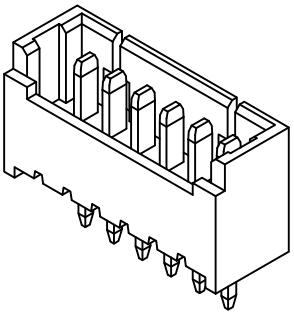

Recommended P.C.B Layout
General Tolerance±0.05

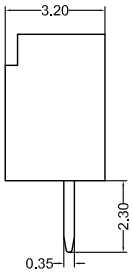
A1250RD 0XX AA PX XX C X 008

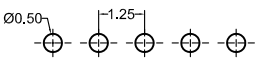
- PIN: 005=5PINS
- SPECIAL: AA=NO Special
- Material: P4=PA46 94V-0; P6=PA66 94V-0
- Finish: TP=Terminal Tin-Plated; GF=Terminal Gold-Plated
- Packing: C=Bag
- Color: 8=Gray; 9=White
- Code: 008

| CSG PART NO. | Dimension mm | | | Q'ty/BAG |
|---|---|---|---|---|
| | A | B | C | |
| A1250RD002AAXXXXCX008 | 1.25 | 3.15 | 4.25 | 1000PCS |
| A1250RD003AAXXXXCX008 | 2.50 | 4.40 | 5.50 | 1000PCS |
| A1250RD004AAXXXXCX008 | 3.75 | 5.65 | 6.75 | 1000PCS |
| A1250RD005AAXXXXCX008 | 5.00 | 6.90 | 8.00 | 1000PCS |
| A1250RD006AAXXXXCX008 | 6.25 | 8.15 | 9.25 | 1000PCS |
| A1250RD007AAXXXXCX008 | 7.50 | 9.40 | 10.50 | 1000PCS |
| A1250RD008AAXXXXCX008 | 8.75 | 10.65 | 11.75 | 1000PCS |
| A1250RD009AAXXXXCX008 | 10.00 | 11.90 | 13.00 | 1000PCS |
| A1250RD010AAXXXXCX008 | 11.25 | 13.15 | 14.25 | 1000PCS |
| A1250RD011AAXXXXCX008 | 12.50 | 14.40 | 15.50 | 1000PCS |
| A1250RD012AAXXXXCX008 | 13.75 | 15.65 | 16.75 | 1000PCS |
| A1250RD013AAXXXXCX008 | 15.00 | 16.90 | 18.00 | 1000PCS |
| A1250RD014AAXXXXCX008 | 16.25 | 18.15 | 19.25 | 1000PCS |
| A1250RD015AAXXXXCX008 | 17.50 | 19.40 | 20.50 | 1000PCS |
| A1250RD016AAXXXXCX008 | 18.75 | 20.65 | 21.75 | 1000PCS |






Recommended P.C.B Layout
General Tolerance±0.05

A1250VD 0XX AA PX XX C X XXX

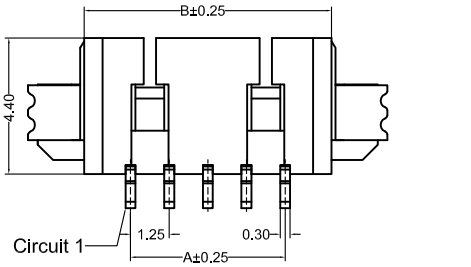
- PIN: 005=5PINS
- SPECIAL: AA=NO Special
- Material: P4=PA46 94V-0; P6=PA66 94V-0; LP=LCP 94V-0
- Finish: TP=Terminal Tin-Plated; GF=Terminal Gold-Plated
- Packing: C=Bag; B=Tape & Reel
- Color: 8=Gray; 9=White
- Code: 008; 112

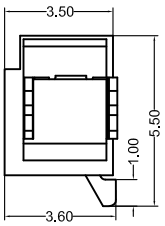
| CSG PART NO. | Dimension mm | | | Q'ty/BAG |
|---|---|---|---|---|
| | A | B | C | |
| A1250VD002AAXXXXXXXXX | 1.25 | 3.15 | 4.25 | 1000PCS |
| A1250VD003AAXXXXXXXXX | 2.50 | 4.40 | 5.50 | 1000PCS |
| A1250VD004AAXXXXXXXXX | 3.75 | 5.65 | 6.75 | 1000PCS |
| A1250VD005AAXXXXXXXXX | 5.00 | 6.90 | 8.00 | 1000PCS |
| A1250VD006AAXXXXXXXXX | 6.25 | 8.15 | 9.25 | 1000PCS |
| A1250VD007AAXXXXXXXXX | 7.50 | 9.40 | 10.50 | 1000PCS |
| A1250VD008AAXXXXXXXXX | 8.75 | 10.65 | 11.75 | 1000PCS |
| A1250VD009AAXXXXXXXXX | 10.00 | 11.90 | 13.00 | 1000PCS |
| A1250VD010AAXXXXXXXXX | 11.25 | 13.15 | 14.25 | 1000PCS |
| A1250VD011AAXXXXXXXXX | 12.50 | 14.40 | 15.50 | 1000PCS |
| A1250VD012AAXXXXXXXXX | 13.75 | 15.65 | 16.75 | 1000PCS |
| A1250VD013AAXXXXXXXXX | 15.00 | 16.90 | 18.00 | 1000PCS |
| A1250VD014AAXXXXXXXXX | 16.25 | 18.15 | 19.25 | 1000PCS |
| A1250VD015AAXXXXXXXXX | 17.50 | 19.40 | 20.50 | 1000PCS |
| A1250VD016AAXXXXXXXXX | 18.75 | 20.65 | 21.75 | 1000PCS |

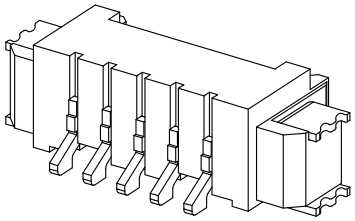

CSG

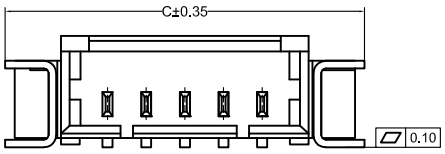
Tel:+86-769-85312070 85375507 E-mail:James@csg-china.com www.csg-china.com

# A1250 51021



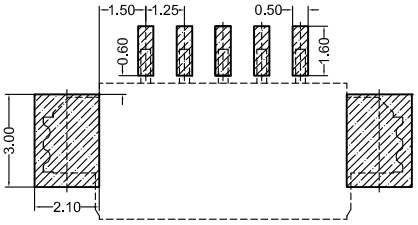





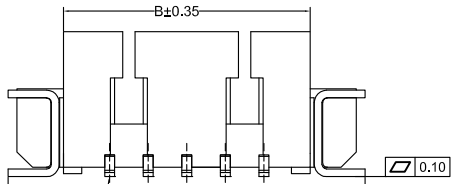

A1250RS 0XX AA LP XX B 8 112

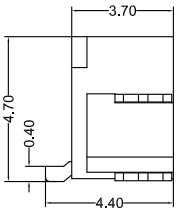
- PIN: 005=5PINS
- SPECIAL: AA=NO Special
- Material: LP=LCP 94V-0
- Finish: TP=Terminal Tin-Plated; GF=Terminal Gold-Plated
- Packing: B=Tape & Reel
- Color: 8=Gray
- Code: 112

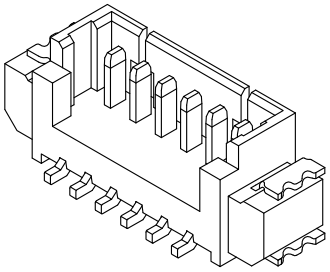


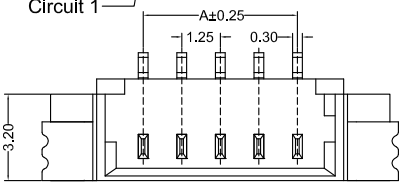

Recommended P.C.B Layout
General Tolerance±0.05

| CSG PART NO. | Dimension mm | | | Q'ty/Reel |
|---|---|---|---|---|
| | A | B | C | |
| A1250RS002AALPXXB8112 | 1.25 | 4.25 | 7.75 | 1500PCS |
| A1250RS003AALPXXB8112 | 2.50 | 5.50 | 9.00 | 1500PCS |
| A1250RS004AALPXXB8112 | 3.75 | 6.75 | 10.25 | 1500PCS |
| A1250RS005AALPXXB8112 | 5.00 | 8.00 | 11.50 | 1500PCS |
| A1250RS006AALPXXB8112 | 6.25 | 9.25 | 12.75 | 1500PCS |
| A1250RS007AALPXXB8112 | 7.50 | 10.50 | 14.00 | 1500PCS |
| A1250RS008AALPXXB8112 | 8.75 | 11.75 | 15.25 | 1500PCS |
| A1250RS009AALPXXB8112 | 10.00 | 13.00 | 16.50 | 1500PCS |
| A1250RS010AALPXXB8112 | 11.25 | 14.25 | 17.75 | 1500PCS |
| A1250RS011AALPXXB8112 | 12.50 | 15.50 | 19.00 | 1500PCS |
| A1250RS012AALPXXB8112 | 13.75 | 16.75 | 20.25 | 1500PCS |
| A1250RS013AALPXXB8112 | 15.00 | 18.00 | 21.50 | 1500PCS |
| A1250RS014AALPXXB8112 | 16.25 | 19.25 | 22.75 | 1500PCS |
| A1250RS015AALPXXB8112 | 17.50 | 20.50 | 24.00 | 1500PCS |
| A1250RS016AALPXXB8112 | 18.75 | 21.75 | 25.25 | 1500PCS |



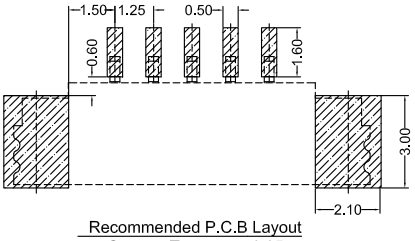






A1250VS 0XX AA LP XX B 8 112

- PIN: 005=5PINS
- SPECIAL: AA=NO Special
- Material: LP=LCP 94V-0
- Finish: TP=Terminal Tin-Plated; GF=Terminal Gold-Plated
- Packing: B=Tape & Reel
- Color: 8=Gray
- Code: 112




Recommended P.C.B Layout
General Tolerance±0.05

| CSG PART NO. | Dimension mm | | | Q'ty/Reel |
|---|---|---|---|---|
| | A | B | C | |
| A1250VS002AALPXXB8112 | 1.25 | 4.25 | 7.75 | 1000PCS |
| A1250VS003AALPXXB8112 | 2.50 | 5.50 | 9.00 | 1000PCS |
| A1250VS004AALPXXB8112 | 3.75 | 6.75 | 10.25 | 1000PCS |
| A1250VS005AALPXXB8112 | 5.00 | 8.00 | 11.50 | 1000PCS |
| A1250VS006AALPXXB8112 | 6.25 | 9.25 | 12.75 | 1000PCS |
| A1250VS007AALPXXB8112 | 7.50 | 10.50 | 14.00 | 1000PCS |
| A1250VS008AALPXXB8112 | 8.75 | 11.75 | 15.25 | 1000PCS |
| A1250VS009AALPXXB8112 | 10.00 | 13.00 | 16.50 | 1000PCS |
| A1250VS010AALPXXB8112 | 11.25 | 14.25 | 17.75 | 1000PCS |
| A1250VS011AALPXXB8112 | 12.50 | 15.50 | 19.00 | 1000PCS |
| A1250VS012AALPXXB8112 | 13.75 | 16.75 | 20.25 | 1000PCS |
| A1250VS013AALPXXB8112 | 15.00 | 18.00 | 21.50 | 1000PCS |
| A1250VS014AALPXXB8112 | 16.25 | 19.25 | 22.75 | 1000PCS |
| A1250VS015AALPXXB8112 | 17.50 | 20.50 | 24.00 | 1000PCS |
| A1250VS016AALPXXB8112 | 18.75 | 21.75 | 25.25 | 1000PCS |


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