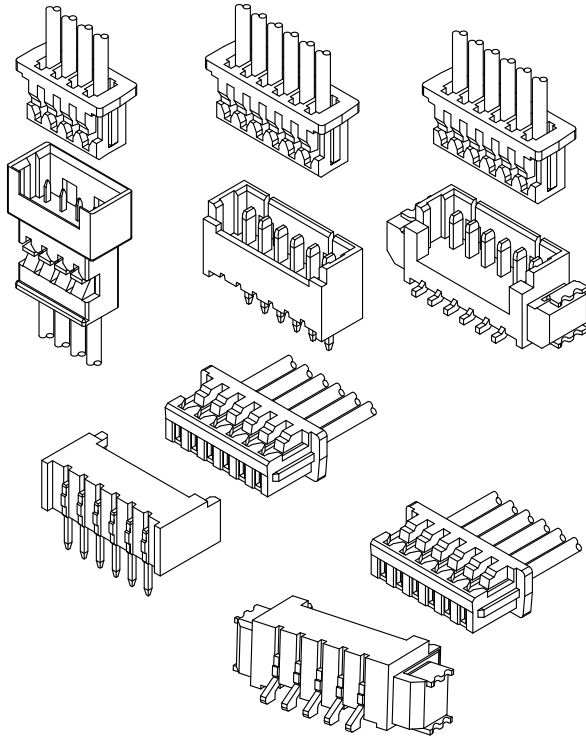


# A1250 51021 CONNECTOR

1.25mm Pitch/Disconnectable Crimp style connectors



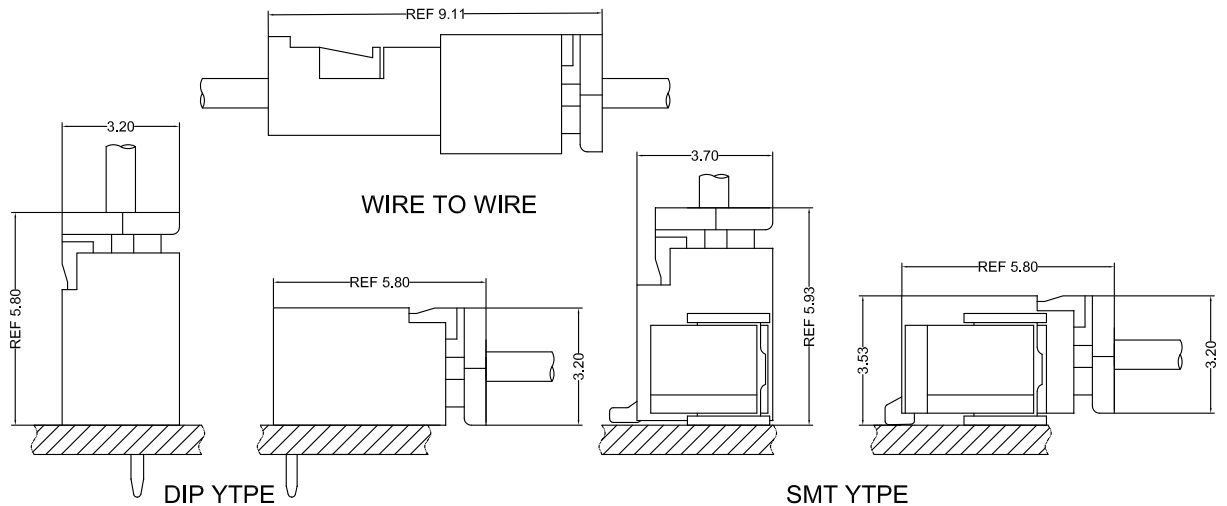
- Secure lock device
- Low insertion force
- Prevention of contact deformation
- Suction area for picking up

## Specifications:

- Current rating: 1.0 A / AC,DC
- Voltage rating: 125 V AC/DC
- Temperature range: -40°C ~ +105°C  
(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:

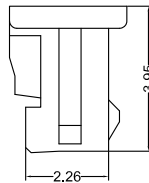
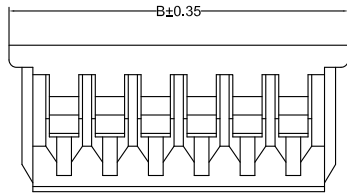
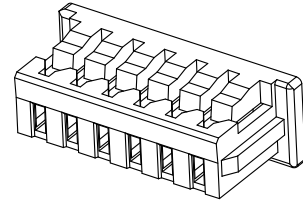
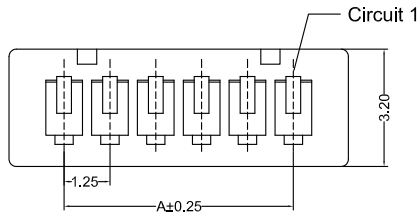
Housing: PA66/UL94-V0;Color:White/ Black  
Terminal: Phosphor/ Tin-plated,Gold-Plated  
DIP Wafer Housing: PA46/ PA66/ LCP,UL94-V0;  
Color:White/ Gray  
DIP Wafer Pin: Phosphor/ Tin-plated,Gold-Plated  
SMT Wafer Housing: LCP,UL94-V0;Color:Natural  
SMT Wafer Pin: Phosphor/ Tin-plated,Gold-Plated  
Wafer Fixed Foot: Barss/ Tin-plated



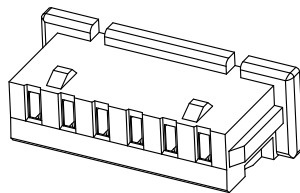
- Note: 1. The above figure is the figure viewed from the connector mounting side.  
2. Tolerances are non-cumulative:  $\pm 0.08$  mm for all centers.  
3. The dimensions above should serve as a guideline. Contact CSG for details.



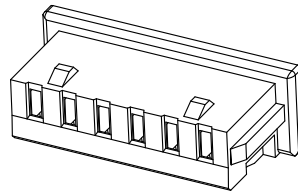
# A1250 51021



A1250HF 0XX AA P6 X 005  
 PIN 005=5PINS  
 SPECIAL  
 AA=NO Special  
 AC=Breach  
 Material P6=PA66 94V-0  
 Code 005  
 Color 9=White 0=Black

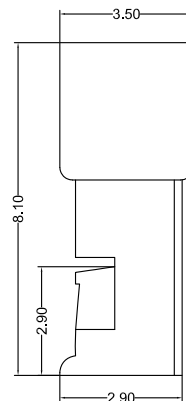
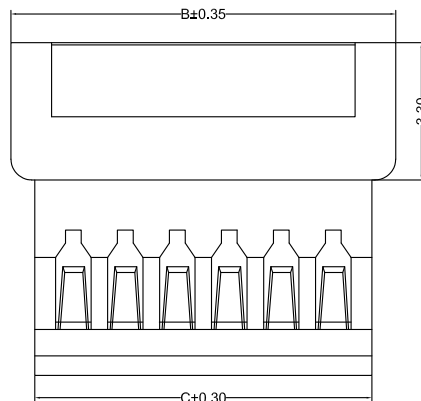
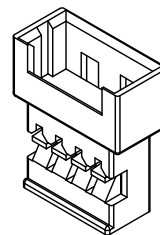
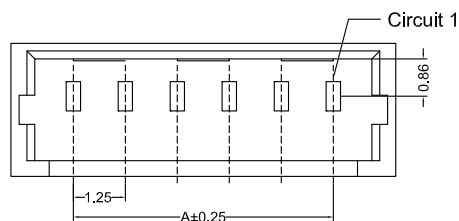


AC=Breach



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

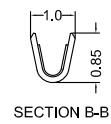
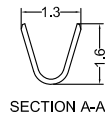
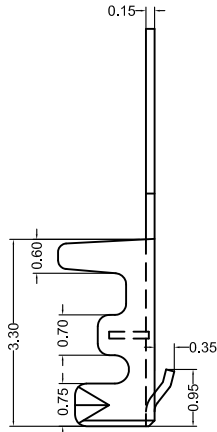
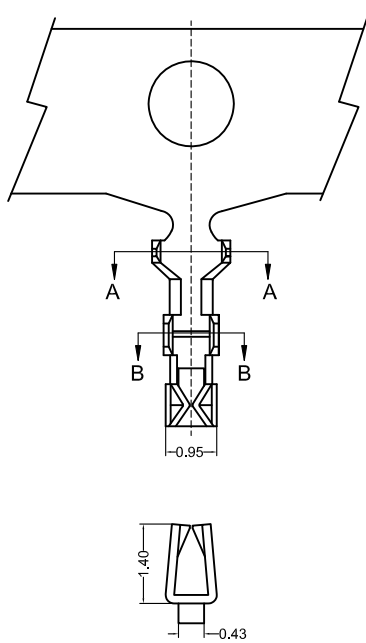


A1250HM 0XX AA P6 X 005  
 PIN 005=5PINS  
 SPECIAL  
 AA=NO Special  
 Material P6=PA66 94V-0  
 Code 005  
 Color 9=White 0=Black

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	15.85	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



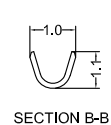
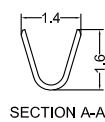
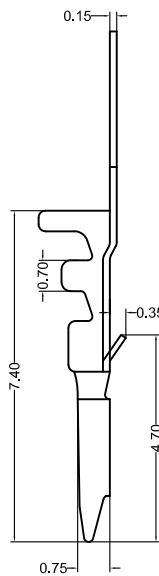
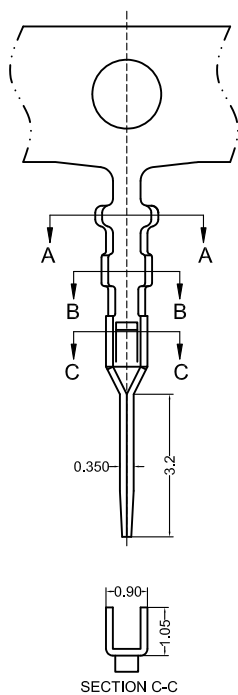
# A1250 51021



A1250 M 0 A XX 002

- Type — M=Female Terminal
- Material — A=Phosphor
- Finish — TP=Tin-Plated  
GF=Gold-Plated G/F
- Code — 002

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



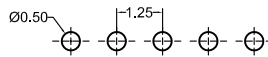
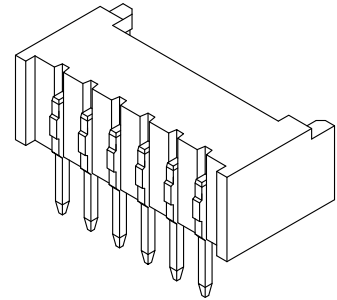
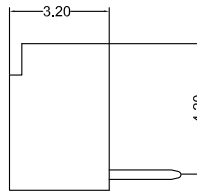
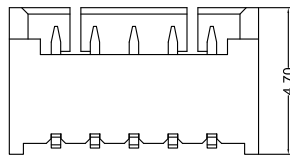
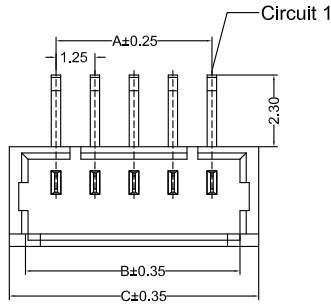
A1250 F 0 A TP 012

- Type — F=Male Terminal
- Material — A=Phosphor
- Finish — TP=Tin-Plated
- Code — 012

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



# A1250 51021

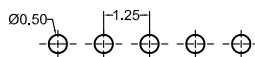
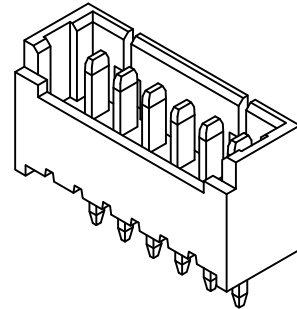
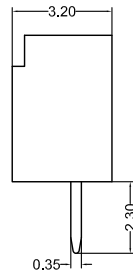
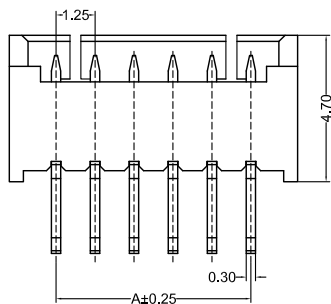
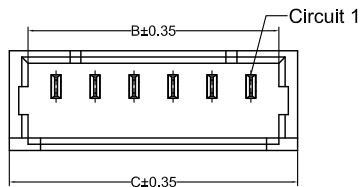


Recommended P.C.B Layout  
General Tolerance±0.05

A1250RD.0XX AA FX 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

Code  
 008  
 Color  
 8=Gray  
 9=White  
 Packing  
 C=Bag

CSG PART NO.	Dimension mm			Q'ty/BAG
	A	B	C	
A1250RD002AAXXXCX008	1.25	3.15	4.25	1000PCS
A1250RD003AAXXXCX008	2.50	4.40	5.50	1000PCS
A1250RD004AAXXXCX008	3.75	5.65	6.75	1000PCS
A1250RD005AAXXXCX008	5.00	6.90	8.00	1000PCS
A1250RD006AAXXXCX008	6.25	8.15	9.25	1000PCS
A1250RD007AAXXXCX008	7.50	9.40	10.50	1000PCS
A1250RD008AAXXXCX008	8.75	10.65	11.75	1000PCS
A1250RD009AAXXXCX008	10.00	11.90	13.00	1000PCS
A1250RD010AAXXXCX008	11.25	13.15	14.25	1000PCS
A1250RD011AAXXXCX008	12.50	14.40	15.50	1000PCS
A1250RD012AAXXXCX008	13.75	15.65	16.75	1000PCS
A1250RD013AAXXXCX008	15.00	16.90	18.00	1000PCS
A1250RD014AAXXXCX008	16.25	18.15	19.25	1000PCS
A1250RD015AAXXXCX008	17.50	19.40	20.50	1000PCS
A1250RD016AAXXXCX008	18.75	20.65	21.75	1000PCS



Recommended P.C.B Layout  
General Tolerance±0.05

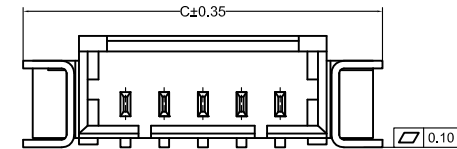
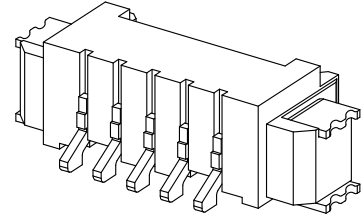
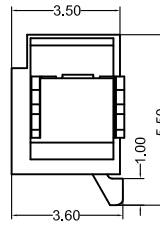
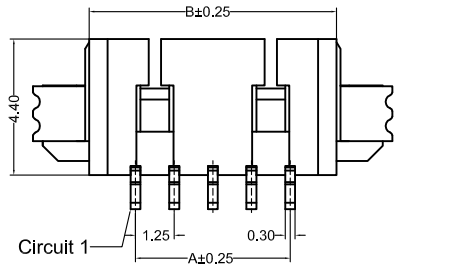
A1250VD.0XX AA FX XX C X XXX  
 PIN  
 005=5PINS  
 112  
 SPECIAL  
 AA=NO Special  
 Material  
 P4=PA46 94V-0  
 P6=PA66 94V-0  
 LP=LCP 94V-0  
 Finish  
 TP=Terminal Tin-Plated  
 GF=Terminal Gold-Plated

Code  
 008  
 112  
 Color  
 8=Gray  
 9=White  
 Packing  
 C=Bag  
 B=Tape & Reel

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



# A1250 51021



A1250RS 0XX AA LP XX B 8 112

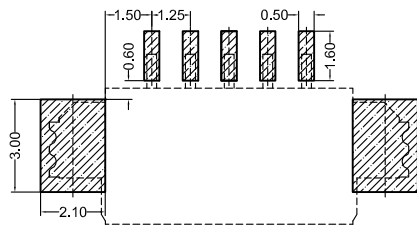
PIN  
005=5PINS  
SPECIAL  
AA=NO Spectral

Material  
LP=LCP 94V-0

Finish  
TP=Terminal Tin-Plated  
GF=Terminal Gold-Plated

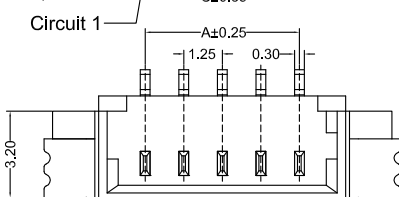
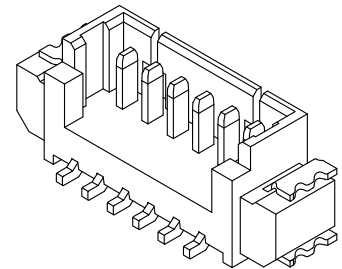
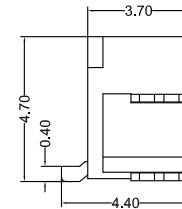
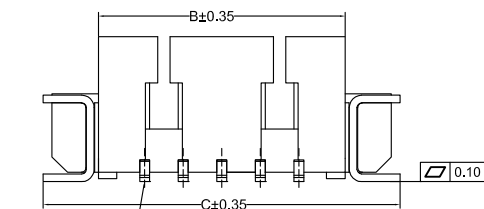
Code  
112  
Color  
8=Gray

Packing  
B=Tape & Reel



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

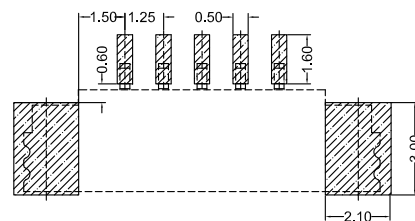
PIN  
005=5PINS  
SPECIAL  
AA=NO Spectral

Material  
LP=LCP 94V-0

Finish  
TP=Terminal Tin-Plated  
GF=Terminal Gold-Plated

Code  
112  
Color  
8=Gray

Packing  
B=Tape & Reel



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

