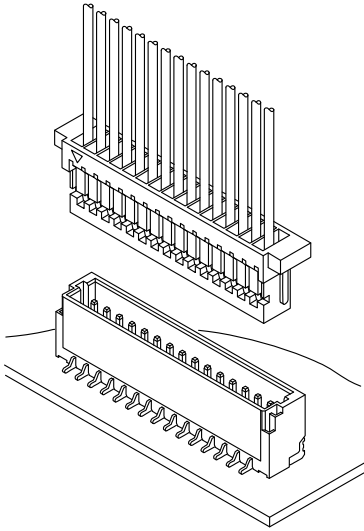


# A1000 SH/SHD CONNECTOR

1.00mm Pitch/Disconnectable Crimp style connectors



The worlds first 1.0 mm pitch crimp style connector.

- Compact, low profile design.
- Compatible with the SR insulation displacement connectors.
- Housing ances.

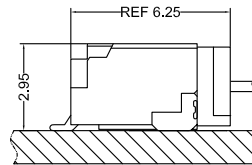
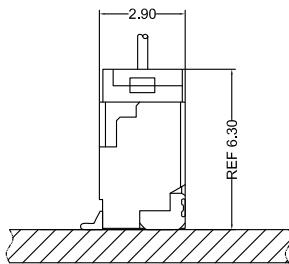


## Specifications:

- Current rating: 1.0 A AC,DC (AWG #28)
  - Voltage rating: 50 V AC/DC
  - Temperature range: -40°C ~ +105°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/ 20m Ω max  
After environmental testing/ 40m Ω max
  - Insulation resistance: 100 M Ω min
  - Withstanding voltage: 500 VAC/minute
  - Applicable wire: Conductor size/ AWG#32 to #28  
Insulation O.D./ 0.4 to 0.8 mm
- \* Compliant with RoHS2/ HF/ REACH  
\* In using the products, refer to "Handling Precautions for Terminals and Connectors "described on our website (Technical documents of Product information page).  
\* Contact CSG for details

## Material:

Housing: PA66/PBT,UL94-V0;Color:White  
Terminal: Phosphor/ Tin-plated, Gold-Plated  
Wafer Housing: LCP,UL94-V0;Color:Gray  
Wafer Pin: Phosphor/ Tin-plated, Gold-Plated  
Wafer Fixed Foot: Phosphor/ Tin-plated

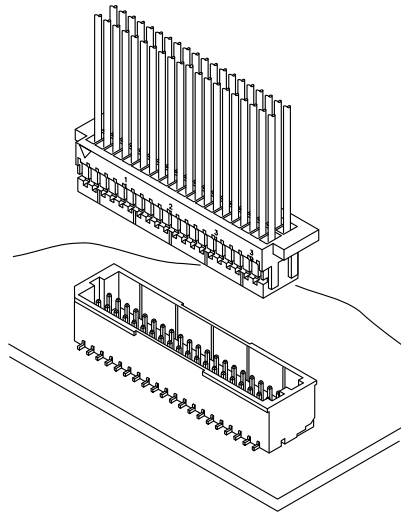


- Note: 1. The above figure is the figure viewed from the connector mounting side.  
2. Tolerances are non-cumulative:  $\pm 0.08$  mm for all centers.  
3. The dimensions above should serve as a guideline. Contact CSG for details.

**CSG**

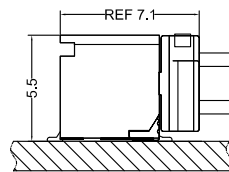
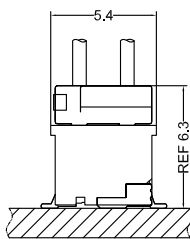
# A1000 SH/SHD CONNECTOR

1.00mm Pitch/Disconnectable Crimp style connectors



The SHD connector is compact with a mounting height of 6.3 mm for top entry type and width of 5.4 mm, height 5.5 mm for side entry type and width of 7.1 mm.

- Compact, low profile design
- Anti-misinsertion feature
- Receptacles with protrusions
- Header designed for vacuum pick and place robotics



- 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.



## Specifications:

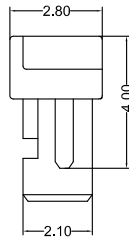
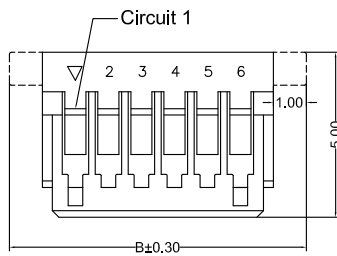
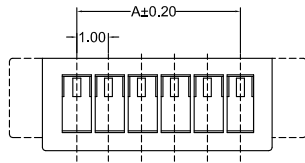
- Current rating: 1.0 A AC, DC (AWG #28)
  - Voltage rating: 50 V AC/DC
  - Temperature range:  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$   
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/  $20\text{m}\ \Omega$  max  
After environmental testing/  $40\text{m}\ \Omega$  max
  - Insulation resistance:  $100\ \text{M}\ \Omega$  min
  - Withstanding voltage: 500 VAC/minute
  - Applicable wire: Conductor size/ AWG#32 to #28  
Insulation O.D./ 0.4 to 0.8 mm
- \* Compliant with RoHS2/ HF/ REACH  
\* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).  
\* Contact CSG for details

## Material:

Housing: PA66/PBT, UL94-V0; Color: White  
Terminal: Phosphor/ Tin-plated, Gold-Plated  
Wafer Housing: PA9T, UL94-V0; Color: Beige  
Wafer Pin: Phosphor/ Tin-plated, Gold-Plated  
Wafer Fixed Foot: Phosphor/ Tin-plated

**CSG**

# A1000 SH/SHD



A1000HF 0XX AX PX 9 XXX

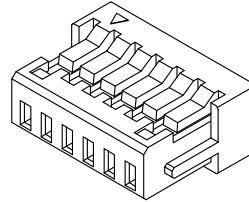
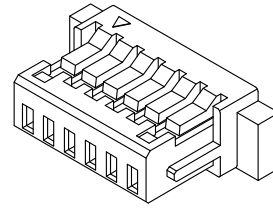
PIN  
002=2PINS

SPECIAL  
AA=NO Special  
AB=Protrusions

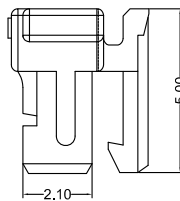
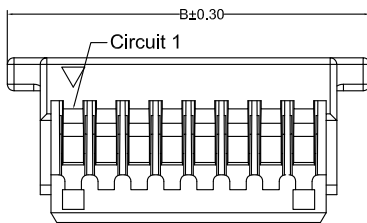
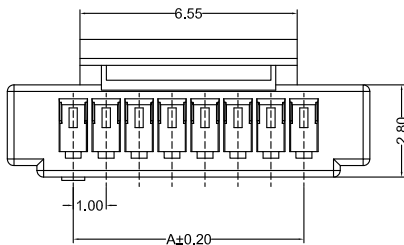
Material  
P6=PA66 94V-0  
PB=PBT 94V-0

Code  
005  
006

Color  
9=White



CSG PART NO.	Dimension mm		Q'ty/BAG
	A	B	
A1000HF002AXPX9XXX	1.00	5.00	1000PCS
A1000HF003AXPX9XXX	2.00	6.00	1000PCS
A1000HF004AXPX9XXX	3.00	7.00	1000PCS
A1000HF005AXPX9XXX	4.00	8.00	1000PCS
A1000HF006AXPX9XXX	5.00	9.00	1000PCS
A1000HF007AXPX9XXX	6.00	10.00	1000PCS
A1000HF008AXPX9XXX	7.00	11.00	1000PCS
A1000HF009AXPX9XXX	8.00	12.00	1000PCS
A1000HF010AXPX9XXX	9.00	13.00	1000PCS
A1000HF011AXPX9XXX	10.00	14.00	1000PCS
A1000HF012AXPX9XXX	11.00	15.00	1000PCS
A1000HF013AXPX9XXX	12.00	16.00	1000PCS
A1000HF014AXPX9XXX	13.00	17.00	1000PCS
A1000HF015AXPX9XXX	14.00	18.00	1000PCS
A1000HF016AXPX9XXX	15.00	19.00	1000PCS
A1000HF017AXPX9XXX	16.00	20.00	1000PCS
A1000HF018AXPX9XXX	17.00	21.00	1000PCS
A1000HF019AXPX9XXX	18.00	22.00	1000PCS
A1000HF020AXPX9XXX	19.00	23.00	1000PCS



A1000HF 0XX AK P6 9 XXX

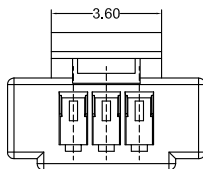
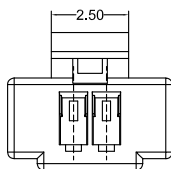
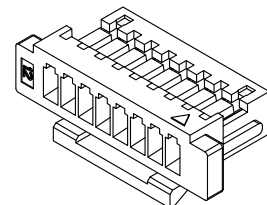
PIN  
002=2PINS

SPECIAL  
AK=Buckle

Material  
P6=PA66 94V-0

Code  
005  
006

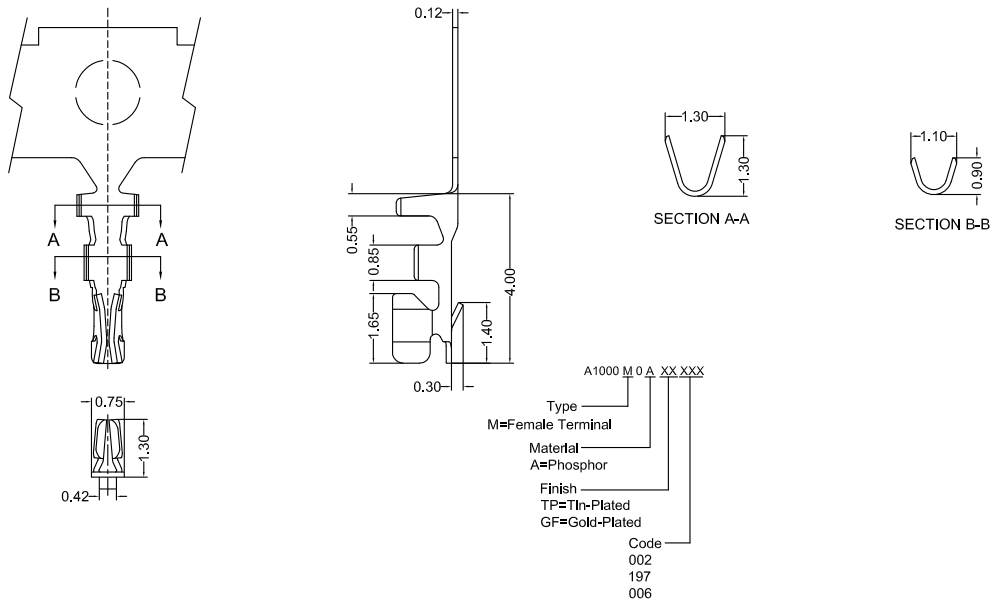
Color  
9=White



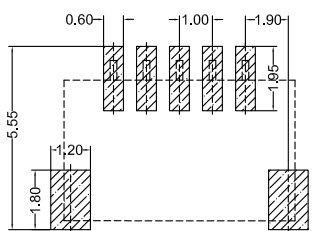
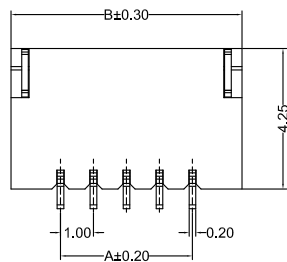
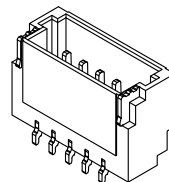
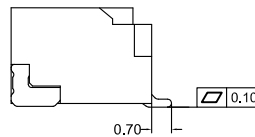
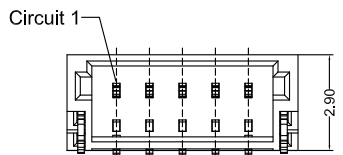
CSG PART NO.	Dimension mm		Q'ty/BAG
	A	B	
A1000HF002AKP69XXX	1.00	5.00	1000PCS
A1000HF003AKP69XXX	2.00	6.00	1000PCS
A1000HF004AKP69XXX	3.00	7.00	1000PCS
A1000HF005AKP69XXX	4.00	8.00	1000PCS
A1000HF006AKP69XXX	5.00	9.00	1000PCS
A1000HF007AKP69XXX	6.00	10.00	1000PCS
A1000HF008AKP69XXX	7.00	11.00	1000PCS
A1000HF009AKP69XXX	8.00	12.00	1000PCS
A1000HF010AKP69XXX	9.00	13.00	1000PCS
A1000HF011AKP69XXX	10.00	14.00	1000PCS
A1000HF012AKP69XXX	11.00	15.00	1000PCS
A1000HF013AKP69XXX	12.00	16.00	1000PCS
A1000HF014AKP69XXX	13.00	17.00	1000PCS
A1000HF015AKP69XXX	14.00	18.00	1000PCS
A1000HF016AKP69XXX	15.00	19.00	1000PCS
A1000HF017AKP69XXX	16.00	20.00	1000PCS
A1000HF018AKP69XXX	17.00	21.00	1000PCS
A1000HF019AKP69XXX	18.00	22.00	1000PCS
A1000HF020AKP69XXX	19.00	23.00	1000PCS

**CSG**

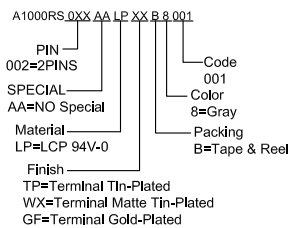
# A1000 SH/SHD



CSG PART NO.	Wire Range	Insulation O.D.	Q'ty/Reel
A1000M0ATPXXX	AWG#28-#32	0.80mm(max)	15K/20KPCS
A1000M0AGFXXX	AWG#28-#32	0.80mm(max)	15K/20KPCS



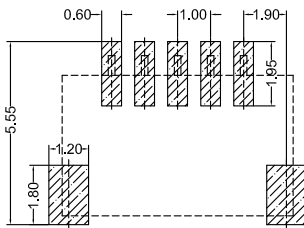
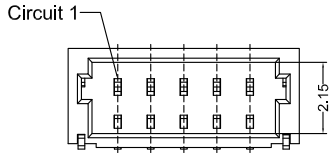
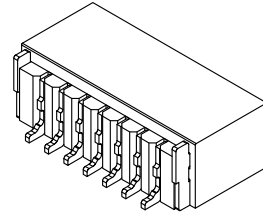
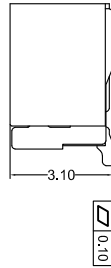
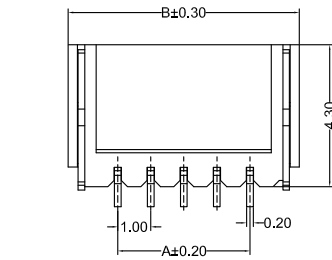
Recommended P.C.B Layout  
General Tolerance±0.05



CSG PART NO.	Dimension mm		Q'ty/Reel
	A	B	
A1000RS002AALPXXB8001	1.00	4.00	1500PCS
A1000RS003AALPXXB8001	2.00	5.00	1500PCS
A1000RS004AALPXXB8001	3.00	6.00	1500PCS
A1000RS005AALPXXB8001	4.00	7.00	1500PCS
A1000RS006AALPXXB8001	5.00	8.00	1500PCS
A1000RS007AALPXXB8001	6.00	9.00	1500PCS
A1000RS008AALPXXB8001	7.00	10.00	1500PCS
A1000RS010AALPXXB8001	9.00	12.00	1500PCS
A1000RS012AALPXXB8001	11.00	14.00	1500PCS
A1000RS014AALPXXB8001	13.00	16.00	1500PCS
A1000RS015AALPXXB8001	14.00	17.00	1500PCS
A1000RS016AALPXXB8001	15.00	18.00	1500PCS
A1000RS018AALPXXB8001	17.00	20.00	1500PCS
A1000RS020AALPXXB8001	19.00	22.00	1500PCS



# A1000 SH/SHD



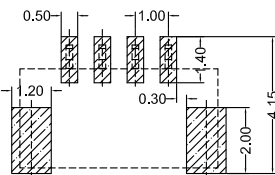
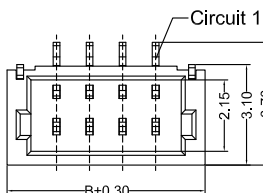
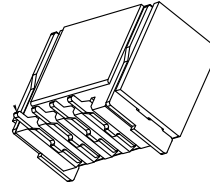
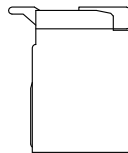
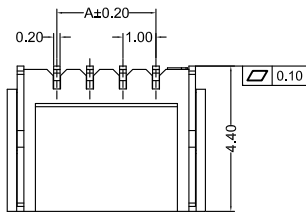
Recommended P.C.B Layout  
General Tolerance±0.05

A1000RS\_0XX AA LP XX B.8.112

PIN  
002=2PINS  
SPECIAL  
AA=NO Special  
Material  
LP=LCP 94V-0  
Finish  
TP=Terminal Tin-Plated  
GF=Terminal Gold-Plated

Code  
112  
Color  
8=Gray  
Packing  
B=Tape & Reel

CSG PART NO.	Dimension mm		Q'ty/Reel
	A	B	
A1000RS002AALPXXB8112	1.00	4.00	2000PCS
A1000RS003AALPXXB8112	2.00	5.00	1500PCS
A1000RS004AALPXXB8112	3.00	6.00	1500PCS
A1000RS005AALPXXB8112	4.00	7.00	1500PCS
A1000RS006AALPXXB8112	5.00	8.00	1500PCS
A1000RS007AALPXXB8112	6.00	9.00	1500PCS
A1000RS008AALPXXB8112	7.00	10.00	1500PCS
A1000RS009AALPXXB8112	8.00	11.00	1500PCS
A1000RS010AALPXXB8112	9.00	12.00	1500PCS
A1000RS011AALPXXB8112	10.00	13.00	1500PCS
A1000RS012AALPXXB8112	11.00	14.00	1500PCS
A1000RS013AALPXXB8112	12.00	13.00	1500PCS
A1000RS014AALPXXB8112	13.00	16.00	1500PCS
A1000RS015AALPXXB8112	14.00	17.00	1500PCS
A1000RS016AALPXXB8112	15.00	18.00	1500PCS
A1000RS020AALPXXB8112	19.00	22.00	1500PCS



Recommended P.C.B Layout  
General Tolerance±0.05

A1000VS\_0XX AA LP XX B.8.112

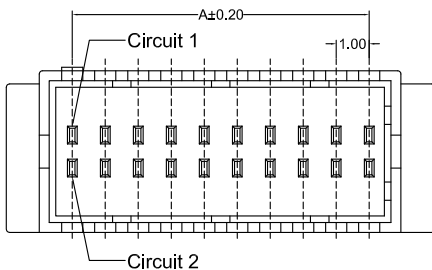
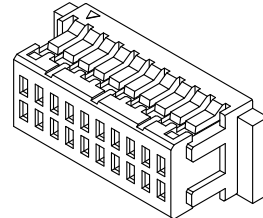
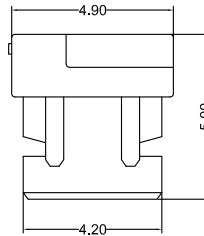
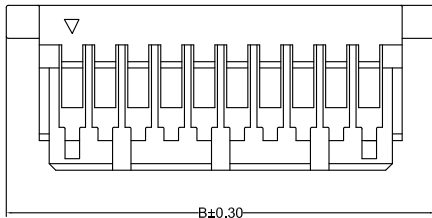
PIN  
002=2PINS  
SPECIAL  
AA=NO Special  
Material  
LP=LCP 94V-0  
Finish  
TP=Terminal Tin-Plated  
GF=Terminal Gold-Plated

Code  
112  
Color  
8=Gray  
Packing  
B=Tape & Reel

CSG PART NO.	Dimension mm		Q'ty/Reel
	A	B	
A1000VS002AALPXXB8112	1.00	4.00	1500PCS
A1000VS003AALPXXB8112	2.00	5.00	1500PCS
A1000VS004AALPXXB8112	3.00	6.00	1500PCS
A1000VS005AALPXXB8112	4.00	7.00	1500PCS
A1000VS006AALPXXB8112	5.00	8.00	1500PCS
A1000VS007AALPXXB8112	6.00	9.00	1500PCS
A1000VS008AALPXXB8112	7.00	10.00	1500PCS
A1000VS009AALPXXB8112	8.00	11.00	1500PCS
A1000VS010AALPXXB8112	9.00	12.00	1500PCS
A1000VS011AALPXXB8112	10.00	13.00	1500PCS
A1000VS012AALPXXB8112	11.00	14.00	1500PCS
A1000VS013AALPXXB8112	12.00	13.00	1500PCS
A1000VS014AALPXXB8112	13.00	16.00	1500PCS
A1000VS015AALPXXB8112	14.00	17.00	1500PCS
A1000VS016AALPXXB8112	15.00	18.00	1500PCS
A1000VS020AALPXXB8112	19.00	22.00	1500PCS

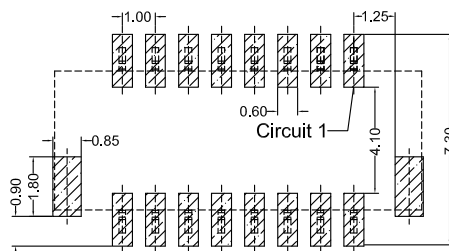
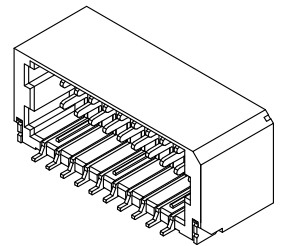
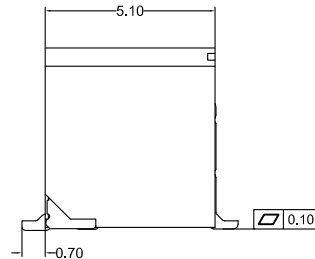
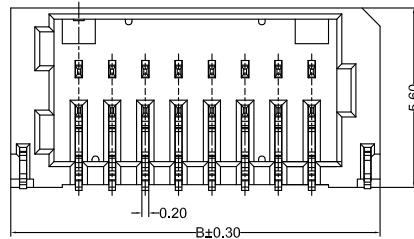
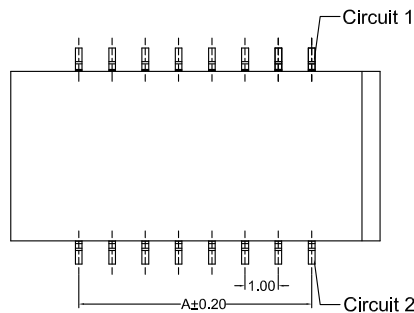


# A1000 SH/SHD



A1000HF 2XX AA PX 9 XXX  
 PIN  
 205=2X5PINS  
 SPECIAL  
 AA=NO Special  
 Material  
 P6=PA66 94V-0  
 PB=PBT 94V-0  
 Code  
 005  
 006  
 210  
 Color  
 9=White

CSG PART NO.	Dimension mm		Q'ty/BAG
	A	B	
A1000HF205AAPX9XXX	4.00	8.00	1000PCS
A1000HF206AAPX9XXX	5.00	9.00	1000PCS
A1000HF207AAPX9XXX	6.00	10.00	1000PCS
A1000HF208AAPX9XXX	7.00	11.00	1000PCS
A1000HF210AAPX9XXX	9.00	13.00	1000PCS
A1000HF215AAPX9XXX	14.00	18.00	1000PCS
A1000HF220AAPX9XXX	19.00	23.00	1000PCS
A1000HF225AAPX9XXX	24.00	28.00	1000PCS



Recommended P.C.B Layout  
 General Tolerance±0.05

A1000RS 2XX AA 9T XX B C XXX  
 PIN  
 002=2PINS  
 SPECIAL  
 AA=NO Special  
 Material  
 9T=PA9T 94V-0  
 Finish  
 TP=Terminal Tin-Plated  
 GF=Terminal Gold-Plated  
 Code  
 112  
 210  
 Color  
 C=Beige  
 Packing  
 B=Tape & Reel

CSG PART NO.	Dimension mm		Q'ty/Reel
	A	B	
A1000RS205AA9TXXBCXXX	4.00	8.10	900PCS
A1000RS206AA9TXXBCXXX	5.00	9.10	900PCS
A1000RS207AA9TXXBCXXX	6.00	8.10	900PCS
A1000RS208AA9TXXBCXXX	7.00	11.10	900PCS
A1000RS210AA9TXXBCXXX	9.00	13.10	900PCS
A1000RS215AA9TXXBCXXX	14.00	18.10	900PCS
A1000RS220AA9TXXBCXXX	19.00	23.10	900PCS
A1000RS225AA9TXXBCXXX	24.00	28.10	900PCS



# A1000 SH/SHD

