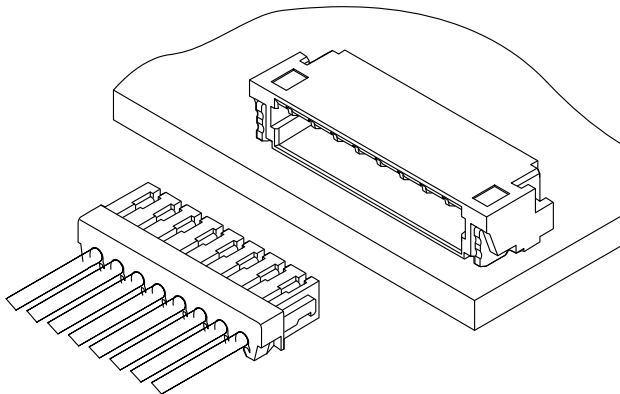


# A0800 SUR CONNECTOR

0.80mm Pitch/Disconnectable Insulation displacement connectors

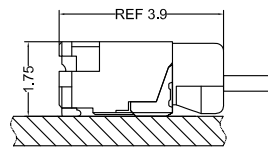
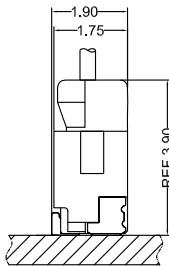


This world's first 0.80 mm pitch wire-to-board insulation displacement connector .

Side entry type is only 3.90 mm depth and 1.75 mm height after mounting on the PC board, and top entry type is only 1.90 mm depth and 3.90 mm height.

Compared to the conventional 1.00 mm pitch SSR connector, occupation space on the board is reduced by 34% (side entry type).

- 3-point grip construction
- Super fine wires are applicable
- Shrouded header
- Twin U-slot insulation displacement section



- 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: 0.5 A AC, DC (AWG #32)  
0.3 A AC, DC (AWG #34)
- Voltage rating: 30 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/ 20m  $\Omega$  max  
After environmental testing/ 40m  $\Omega$  max
- Insulation resistance: 100 M  $\Omega$  min
- Withstanding voltage: 200 VAC/minute
- Applicable wire: Conductor size/ AWG#36  
Conductor/ 7 strands,  
tin-coated copper alloy  
Insulation O.D./ 0.39mm

- \* Compliant with RoHS2/ HF/ REACH
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact CSG for details

Material:

IDC Housing: PA66/ PA46, UL94-V0; Color: White/Black/Gray

IDC Terminal: Phosphor/ Tin-plated, Gold-Plated

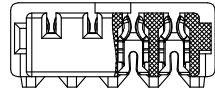
Wafer Housing: LCP, UL94-V0; Color: Gray/Black

Wafer Pin: Phosphor/ Tin-plated, Gold-Plated

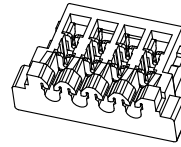
Wafer Fixed Foot: Brass/ Tin-plated

**CSG**

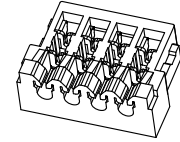
# A0800 SUR



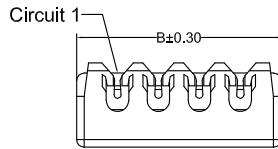
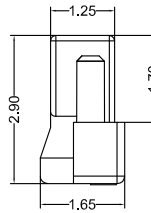
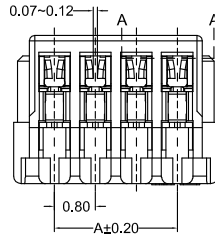
Section A-A



With EAR



Without EAR



A0800HI 0XX AX PX XX X XXX

PIN  
002=2PINS

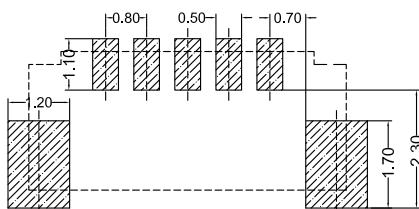
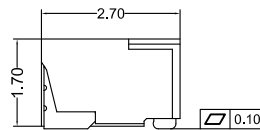
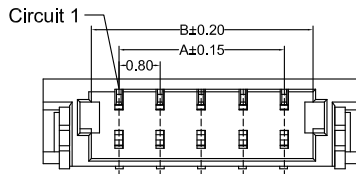
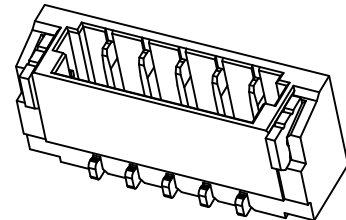
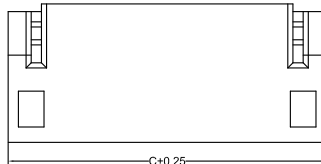
SPECIAL  
AA=NO Special  
AB=Protusions

Material  
P6=PA66 94V-0  
P4=PA46 94V-0

Flsh  
TP=Tin-Plated  
GF=Gold-Plated

Code  
182  
001  
Color  
8=Grey  
9=White  
0=Black

CSG PART NO.	Dimension mm		Q'ty/BAG
	A	B	
A0800HI002AXP6XXX182	0.80	2.40	1000PCS
A0800HI003AXP6XXX182	1.60	3.20	1000PCS
A0800HI004AXP6XXX182	2.40	4.00	1000PCS
A0800HI005AXP6XXX182	3.20	4.80	1000PCS
A0800HI006AXP6XXX182	4.00	5.60	1000PCS
A0800HI007AXP6XXX182	4.80	6.40	1000PCS
A0800HI008AXP6XXX182	5.60	7.20	1000PCS
A0800HI009AXP6XXX182	6.40	8.00	1000PCS
A0800HI010AXP6XXX182	7.20	8.80	1000PCS
A0800HI011AXP6XXX182	8.00	9.60	1000PCS
A0800HI012AXP6XXX182	8.80	10.40	1000PCS
A0800HI014AXP6XXX182	10.40	12.00	1000PCS
A0800HI015AXP6XXX182	11.20	12.80	1000PCS
A0800HI016AXP6XXX182	12.00	13.60	1000PCS
A0800HI018AXP6XXX182	13.60	15.20	1000PCS
A0800HI020AXP6XXX182	15.20	16.80	1000PCS
A0800HI022AXP4XXX001	16.80	18.40	10000PCS
A0800HI024AXP4XXX001	18.40	20.00	10000PCS
A0800HI028AXP4XXX001	21.60	23.20	10000PCS



Recommended P.C.B Layout  
General Tolerance±0.05

A0800RS 0XX AA LP XX BX 109

PIN  
002=2PINS

SPECIAL  
AA=NO Special

Material  
LP=LCP 94V-0

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

Code  
109

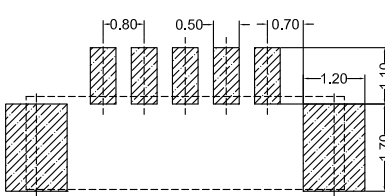
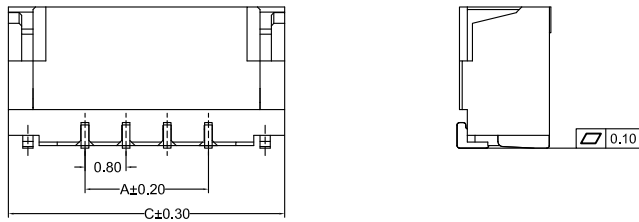
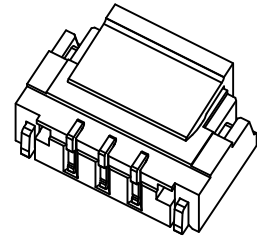
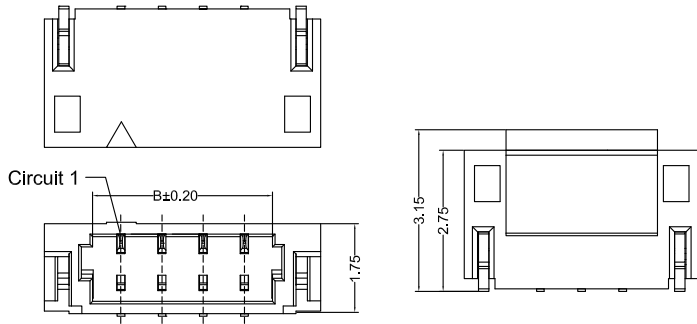
Color  
8=Gray  
0=Black

Packing  
B=Tape & Reel

CSG PART NO.	Dimension mm			Q'ty/Reel
	A	B	C	
A0800RS002AALPXXBX109	0.80	1.90	3.80	3500PCS
A0800RS003AALPXXBX109	1.60	2.70	4.60	3500PCS
A0800RS004AALPXXBX109	2.40	3.50	5.40	3500PCS
A0800RS005AALPXXBX109	3.20	4.30	6.20	3500PCS
A0800RS006AALPXXBX109	4.00	5.10	7.00	3500PCS
A0800RS007AALPXXBX109	4.80	5.90	7.80	3500PCS
A0800RS008AALPXXBX109	5.60	6.70	8.60	3500PCS
A0800RS009AALPXXBX109	6.40	7.50	9.40	3500PCS
A0800RS010AALPXXBX109	7.20	8.30	10.20	3500PCS
A0800RS011AALPXXBX109	8.00	9.10	11.00	3500PCS
A0800RS012AALPXXBX109	8.80	9.90	11.80	3500PCS
A0800RS013AALPXXBX109	9.60	10.70	12.60	3500PCS
A0800RS014AALPXXBX109	10.40	11.50	13.40	3500PCS
A0800RS015AALPXXBX109	11.20	12.30	14.20	3500PCS
A0800RS016AALPXXBX109	12.00	13.10	15.00	3500PCS
A0800RS018AALPXXBX109	13.60	14.70	16.60	3500PCS



# A0800 SUR



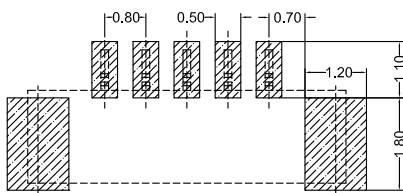
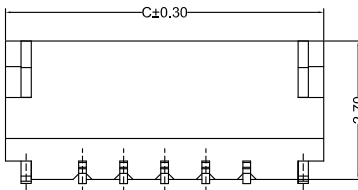
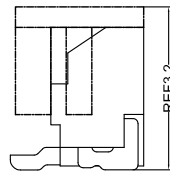
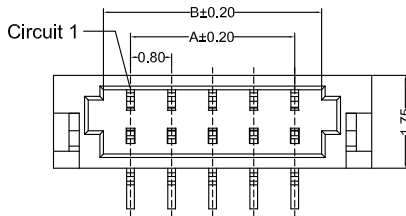
A0800VS\_0XX AV LP XX B X 109

PIN  
002=2PINS  
SPECIAL  
AV=Short PIN  
Material  
LP=LCP 94V-0  
Finish  
TP=Terminal Tin-Plated  
GF=Terminal Gold-Plated

Code  
109  
Color  
8=Gray  
0=Black  
Packing  
B=Tape & Reel

Recommended P.C.B Layout  
General Tolerance±0.05

CSG PART NO.	Dimension mm			Q'ty/Reel
	A	B	C	
A0800VS002AVLPXXBX109	0.80	1.90	3.80	2000PCS
A0800VS003AVLPXXBX109	1.60	2.70	4.60	2000PCS
A0800VS004AVLPXXBX109	2.40	3.50	5.40	2000PCS
A0800VS005AVLPXXBX109	3.20	4.30	6.20	2000PCS
A0800VS006AVLPXXBX109	4.00	5.10	7.00	2000PCS
A0800VS007AVLPXXBX109	4.80	5.90	7.80	2000PCS
A0800VS008AVLPXXBX109	5.60	6.70	8.60	2000PCS
A0800VS009AVLPXXBX109	6.40	7.50	9.40	2000PCS
A0800VS010AVLPXXBX109	7.20	8.30	10.20	2000PCS
A0800VS011AVLPXXBX109	8.00	9.10	11.00	2000PCS
A0800VS012AVLPXXBX109	8.80	9.90	11.80	2000PCS
A0800VS013AVLPXXBX109	9.60	10.70	12.60	2000PCS
A0800VS014AVLPXXBX109	10.40	11.50	13.40	2000PCS
A0800VS015AVLPXXBX109	11.20	12.30	14.20	2000PCS
A0800VS016AVLPXXBX109	12.00	13.10	15.00	2000PCS
A0800VS018AVLPXXBX109	13.60	14.70	17.60	2000PCS



A0800VS\_0XX AZ LP XX B 8 001

PIN  
002=2PINS  
SPECIAL  
AZ=Long PIN  
Material  
LP=LCP 94V-0  
Finish  
TP=Terminal Tin-Plated  
GF=Terminal Gold-Plated

Code  
001  
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	
A0800VS002AZLPXXB8001	0.80	1.90	3.80	2000PCS
A0800VS003AZLPXXB8001	1.60	2.70	4.60	2000PCS
A0800VS004AZLPXXB8001	2.40	3.50	5.40	2000PCS
A0800VS005AZLPXXB8001	3.20	4.30	6.20	2000PCS
A0800VS006AZLPXXB8001	4.00	5.10	7.00	2000PCS
A0800VS007AZLPXXB8001	4.80	5.90	7.80	2000PCS
A0800VS008AZLPXXB8001	5.60	6.70	8.60	2000PCS
A0800VS009AZLPXXB8001	6.40	7.50	9.40	2000PCS
A0800VS010AZLPXXB8001	7.20	8.30	10.20	2000PCS
A0800VS011AZLPXXB8001	8.00	9.10	11.00	2000PCS
A0800VS012AZLPXXB8001	8.80	9.90	11.80	2000PCS
A0800VS013AZLPXXB8001	9.60	10.70	12.60	2000PCS
A0800VS014AZLPXXB8001	10.40	11.50	13.40	2000PCS
A0800VS015AZLPXXB8001	11.20	12.30	14.20	2000PCS
A0800VS016AZLPXXB8001	12.00	13.10	15.00	2000PCS
A0800VS018AZLPXXB8001	13.60	14.70	17.60	2000PCS
A0800VS020AZLPXXB8001	15.20	16.30	19.20	2000PCS
A0800VS022AZLPXXB8001	16.80	17.90	20.80	10000PCS
A0800VS024AZLPXXB8001	18.40	19.50	22.40	10000PCS
A0800VS026AZLPXXB8001	21.60	22.70	25.60	10000PCS

