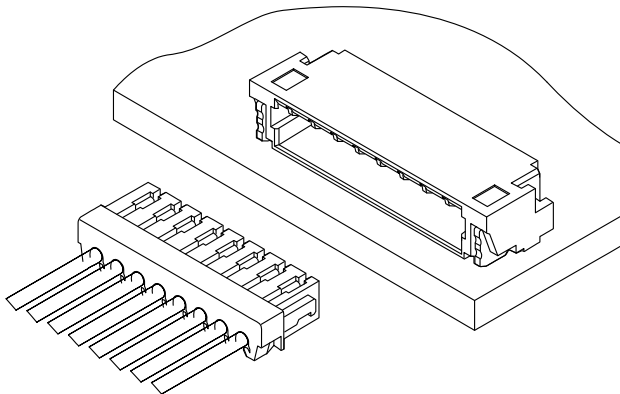


A0800 SUR CONNECTOR

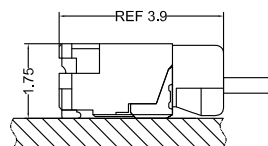
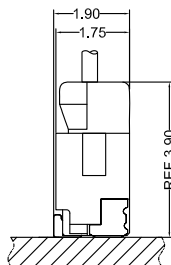
0.80mm Pitch/Disconnectable Insulation displacement connectors



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: ± 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 Ω max
After environmental testing/ 40m Ω max
- Insulation resistance: 100 M Ω 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

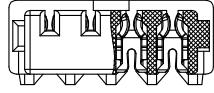
Wafer Pin: Phosphor/ Tin-plated, Gold-Plated

Wafer Fixed Foot: Brass/ Tin-plated

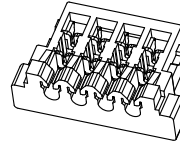
CSG

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

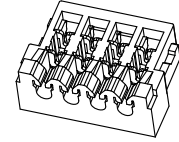
A0800 SUR



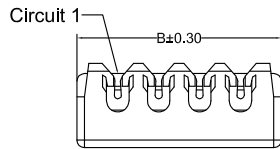
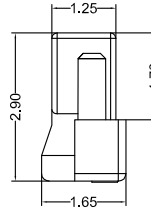
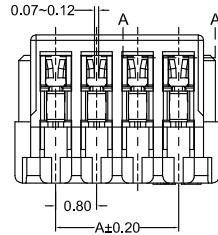
Section A-A



With EAR



Without EAR



A0800HI 0XX AX PX XX X XXX

PIN

002=2PINS

SPECIAL

AA=NO Special

AB=Protrusions

Material

P6=PA66 94V-0

P4=PA46 94V-0

Finish

TP=Tin-Plated

GF=Gold-Plated

Code

182

001

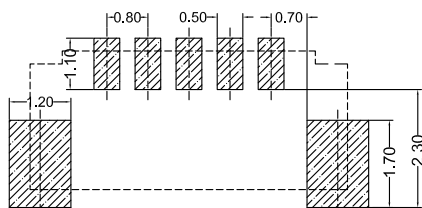
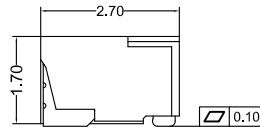
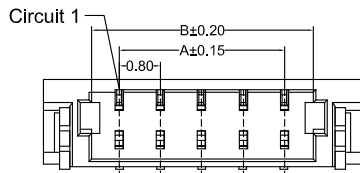
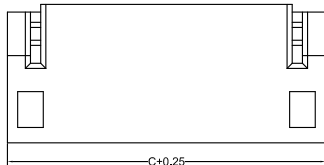
Color

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 B X XXX

PIN

002=2PINS

SPECIAL

AA=NO Special

Material

LP=LCP 94V-0

Finish

TP=Terminal Tin-Plated

GF=Terminal Gold-Plated

Code

109

182

Color

8=Gray

0=Black

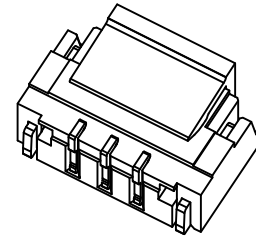
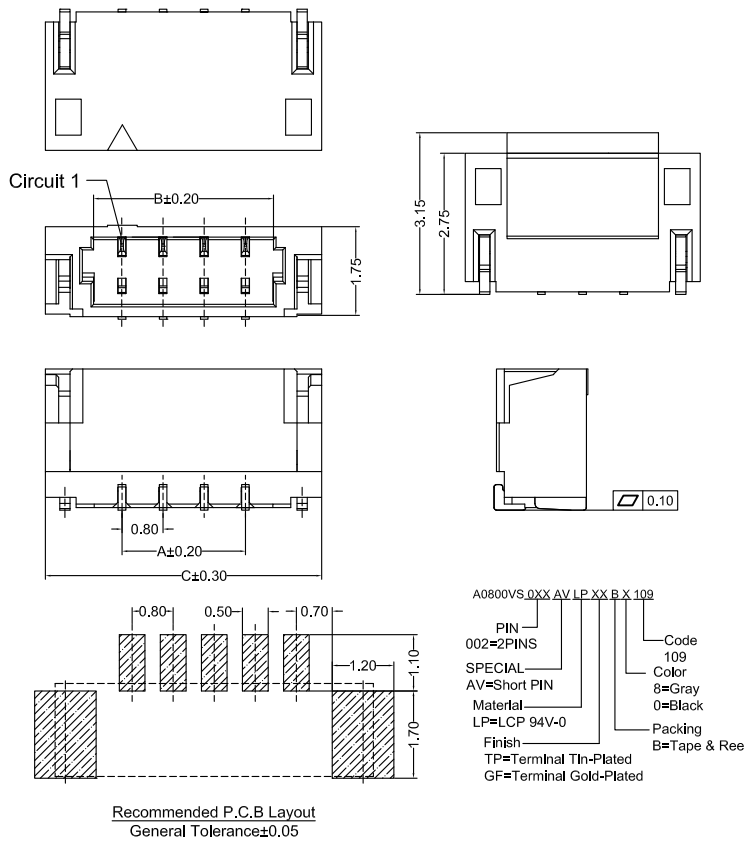
Packing

B=Reel

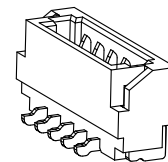
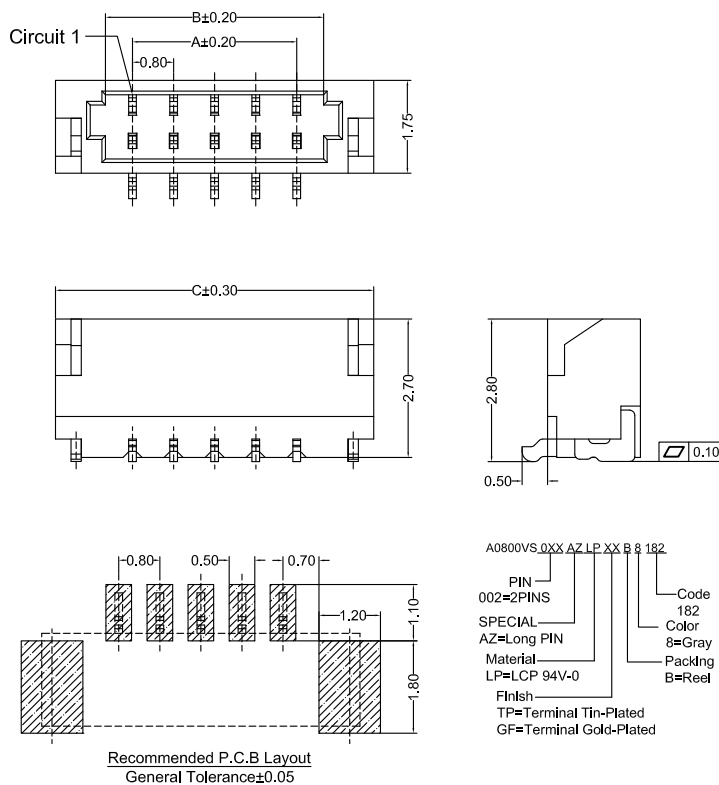
CSG PART NO.	Dimension mm			Q'ty/Reel
	A	B	C	
A0800RS002AALPXXBXXXX	0.80	1.90	3.80	3500PCS
A0800RS003AALPXXBXXXX	1.60	2.70	4.60	3500PCS
A0800RS004AALPXXBXXXX	2.40	3.50	5.40	3500PCS
A0800RS005AALPXXBXXXX	3.20	4.30	6.20	3500PCS
A0800RS006AALPXXBXXXX	4.00	5.10	7.00	3500PCS
A0800RS007AALPXXBXXXX	4.80	5.90	7.80	3500PCS
A0800RS008AALPXXBXXXX	5.60	6.70	8.60	3500PCS
A0800RS009AALPXXBXXXX	6.40	7.50	9.40	3500PCS
A0800RS010AALPXXBXXXX	7.20	8.30	10.20	3500PCS
A0800RS011AALPXXBXXXX	8.00	9.10	11.00	3500PCS
A0800RS012AALPXXBXXXX	8.80	9.90	11.80	3500PCS
A0800RS013AALPXXBXXXX	9.60	10.70	12.60	3500PCS
A0800RS014AALPXXBXXXX	10.40	11.50	13.40	3500PCS
A0800RS015AALPXXBXXXX	11.20	12.30	14.20	3500PCS
A0800RS016AALPXXBXXXX	12.00	13.10	15.00	3500PCS
A0800RS018AALPXXB182	13.60	14.70	16.60	3500PCS
A0800RS020AALPXXB182	15.20	16.30	18.20	3500PCS

CSG

A0800 SUR



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



CSG PART NO.	Dimension mm			Q'ty/Reel
	A	B	C	
A0800VS002AZLPXXB182	0.80	1.90	3.80	2000PCS
A0800VS003AZLPXXB182	1.60	2.70	4.60	2000PCS
A0800VS004AZLPXXB182	2.40	3.50	5.40	2000PCS
A0800VS005AZLPXXB182	3.20	4.30	6.20	2000PCS
A0800VS006AZLPXXB182	4.00	5.10	7.00	2000PCS
A0800VS007AZLPXXB182	4.80	5.90	7.80	2000PCS
A0800VS008AZLPXXB182	5.60	6.70	8.60	2000PCS
A0800VS009AZLPXXB182	6.40	7.50	9.40	2000PCS
A0800VS010AZLPXXB182	7.20	8.30	10.20	2000PCS
A0800VS011AZLPXXB182	8.00	9.10	11.00	2000PCS
A0800VS012AZLPXXB182	8.80	9.90	11.80	2000PCS
A0800VS013AZLPXXB182	9.60	10.70	12.60	2000PCS
A0800VS014AZLPXXB182	10.40	11.50	13.40	2000PCS
A0800VS015AZLPXXB182	11.20	12.30	14.20	2000PCS
A0800VS016AZLPXXB182	12.00	13.10	15.00	2000PCS
A0800VS018AZLPXXB182	13.60	14.70	17.60	2000PCS
A0800VS020AZLPXXB182	15.20	16.30	19.20	2000PCS

CSG