



### P.C.B. LAYOUT

SIGN	DATE	DESCRIPTION	APPROVER
△	02/13/06	Part No. is changed.	Seamus
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!			

#### Technical Data

◆ Material:  
 Pin (outer sleeve) : Brass, machined, CuZn38Pb2  
 Clip(contact 4 finger) : Beryllium copper, heat treated or PHBZ  
 Plating(outer sleeve) : Tin plated : 2um/80u"nickel, 5um/200u" Tin  
 Gold plated : 2um/80u"nickel, full gold

Plating clip(contact): 2um/80 u"nickel, gold or tin plating  
 Insulator body(black) : Glass filled thermoplastic polyester UL94V-0

#### ◆ Electrical

Current rating : 3 Amps/contact max.  
 Contact resistance : ≤4mΩ/contact  
 Insulation resistance : ≥10000MΩ at 500VAC  
 Rated voltage : 100 VRMS /150VDC

#### ◆ Mechanical

Operating temperature : Gold plated:-55℃ to +125℃  
 (Continuous) -67℉ to +105℉

Tin plated:-40℃ to +105℃  
 Average insertion force with steel pin of: %C 0.43mm/0.017" < 250g  
 Average withdrawal force with steel pin of: %C 0.43mm/0.017" > 50g  
 Mechanical life : min.200

#### ◆ Applications and features:

- 1.The open frame is most common type.
- 2.The open body design gives better access (for cleaning and inspections) to air -cooling.
- 3.Side and end stackable.
- 4.High retention design prevents IC walkout during heavy vibration.
- 5.Closed bottom sleeve for 100% anti-wicking of solder.
- 6.Twist free construction.

#### ◆ Environmental data

Solderability (IEC 60068-2-20. Ta) :235℃, 2s  
 Resistance to soldering heat (IEC 60068-2-20. Tb) :  
 -Through hole mount components :260℃, 10s

SA - XX X 0 X 0 X △

No. of contacts : 06p ~ 64p

Code	Definition	pin plated: Code	Clip plated	Pin plated	0000G	ROHS
0		0	Gold Flash	Tin 200u"	5QH0G	Clip 5210 ROHS
1		1	Gold 10u"	Tin 200u"		
2		2	Gold 30u"	Tin 200u"		
3		3	Tin 200u"	Tin 200u"		
4		4	Gold flash	Gold flash		
5		5	Gold 10u"	Gold flash		
6		6	Gold 30u"	Gold flash		

P/N	Contact	Dim A	Dim B	Dim C	Dim D	P/N	Contact	Dim A	Dim B	Dim C	Dim D
SA0630X0X	6	7.62	5.08	7.62	10.16	SA3240X0X	32	40.64	38.10	10.16	12.70
SA0830X0X	8	10.16	7.62	7.62	10.16	SA2460X0X	24	30.48	27.94	15.24	17.78
SA1030X0X	10	12.70	10.16	7.62	10.16	SA2860X0X	28	35.56	33.02	15.24	17.78
SA1430X0X	14	17.78	15.24	7.62	10.16	SA3260X0X	32	40.64	38.10	15.24	17.78
SA1630X0X	16	20.32	17.78	7.62	10.16	SA3660X0X	36	45.72	43.18	15.24	17.78
SA1830X0X	18	22.86	20.32	7.62	10.16	SA4060X0X	40	50.80	48.26	15.24	17.78
SA2030X0X	20	25.40	22.86	7.62	10.16	SA4260X0X	42	53.34	50.80	15.24	17.78
SA2430X0X	24	30.48	27.94	7.62	10.16	SA4860X0X	48	60.96	58.42	15.24	17.78
SA2830X0X	28	35.56	33.02	7.62	10.16	SA5060X0X	50	63.50	60.96	15.24	17.78
SA2040X0X	20	25.40	22.86	10.16	12.70	SA5260X0X	52	66.04	63.50	15.24	17.78
SA2240X0X	22	27.94	25.40	10.16	12.70	SA5090X0X	50	63.50	60.96	22.86	25.40
SA2440X0X	24	30.48	27.94	10.16	12.70	SA5290X0X	52	66.04	63.50	22.86	25.40
SA2840X0X	28	35.56	33.02	10.16	12.70	SA6490X0X	64	81.28	78.74	22.86	25.40