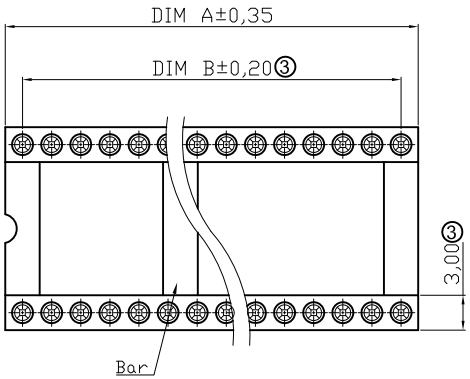
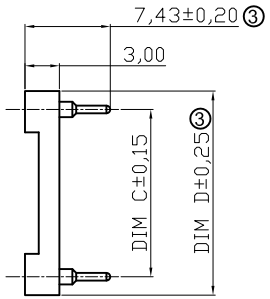
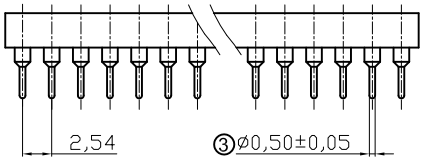






NOTES:

MATERIAL

1.Pin(outer sleeve): Brass, machined CuZn38Pb2

③ 2.Clip(contact 4 finger): Beryllium copper, heat treated

3.Plating(outer sleeve): HZL: 2um/80u"nickel, 5um/200u"Tin
HGL: 2um/80u"nickel, Gold flash

4.Plating(contact): 2um/80u"nickel, Gold flash or 10u", 30u" Gold

5.Insulator Material: Glass filled PBT, UL94V-0 Black

ELECTRICAL

1.Current Rating: 3Amps/contact max.

2.Contact Resistance: 4mΩ/contact max.

3.Insulation Resistance: ≥10000MΩ at 500VAC

4.Operating Voltage: 100 VRMS/150VDC

MECHANICAL

1.Average Insertion force with steel pin of ϕ0.43mm/0.017": <250g

2.Average Withdrawal force with steel pin of ϕ0.43mm/0.017": >50g min.

3.Mechanical life cycle: 200 min.

4.Operation Temperature: -40°C to +105°C

④ 5.Wave Soldering temperature: +245°C, 5-10s max.

Packing: Tube

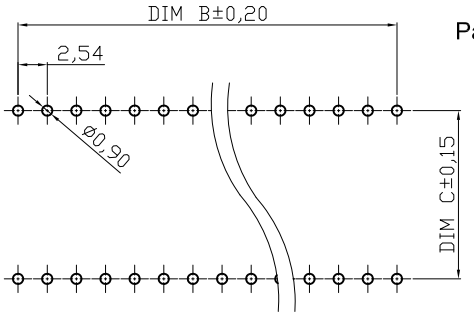
Order Code:

AR xx- x x

No. of contact 06 ~ 64

Versions
-TT - Standard
/7-TT - Only for 22+24+28 poles* ⑤ (Dim C: 7.62)

Plating outer sleeve / contact
HZL - Sleeve tin / clip gold flash
HZL/01 - Sleeve tin / clip 10u" gold
HZL/07 - Sleeve tin / clip 30u" gold
② HGL - Sleeve gold flash / clip gold flash



PCB LAYOUT

Contact	Dim A	Dim B	Dim C	Dim D	Note③
06	7.62	5.08	7.62	10.16	
08	10.16	7.62	7.62	10.16	w/o bar
10	12.70	10.16	7.62	10.16	
14	17.78	15.24	7.62	10.16	
16	20.32	17.78	7.62	10.16	
18	22.86	20.32	7.62	10.16	with bar
20	25.40	22.86	7.62	10.16	
⑤ 22*	27.94	25.40	7.62	10.16	
22	27.94	25.40	10.16	12.70	
24*	30.48	27.94	7.62	10.16	
24	30.48	27.94	15.24	17.78	
28*	35.56	33.02	7.62	10.16	
28	35.56	33.02	15.24	17.78	
32	40.64	38.10	15.24	17.78	

RoHS compliant

Unit:mm

Scale	Free
TOLERANCE	
X.	±0.50
X.X	±0.30
X.XX	±0.20
X.XXX	±0.10
DIM	TOL
Angle	±5°
Angle	TOL

Id.	Modification	Date	Name
⑤	Add the 22 Pin series drawing	08.08.2019	Segal
④	Update wave solder temp.	16.08.2017	Amy
③	Update to new drawing	28.10.2016	Amy
②	Add "HGL"-Version,corrected P/N code	28.01.2014	A. Plate
①	Add sheet 2	16.08.2012	Lucas
⓪	Drawn	23.07.2012	Lucas

	Date	Name
Drawn	23.07.2012	Lucas
Approved	08.08.2019	Amy

ASSMANN WSW components

Customer-No.

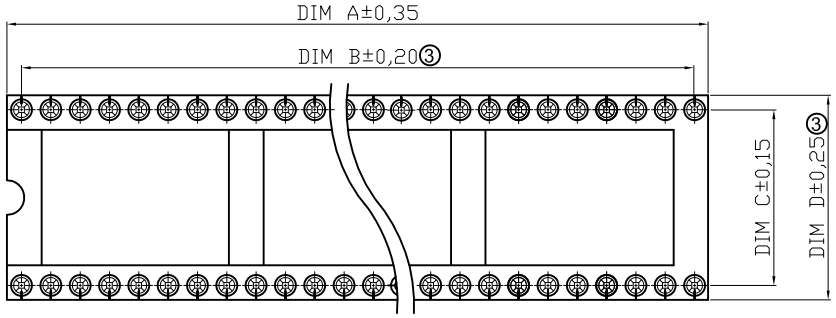
ASSMANN WSW-No. AR xx-x x

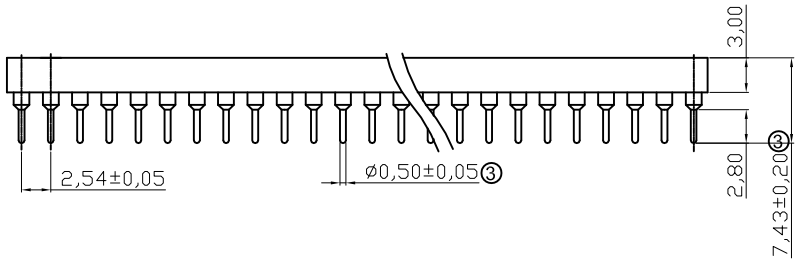
Drawing-No. ASS 4852 CO

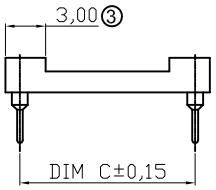
rev05

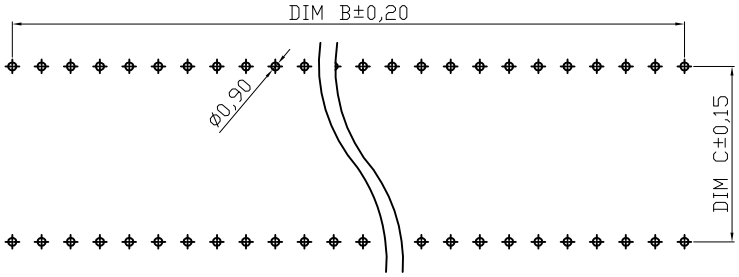
Replace

Sheet 1 / 2









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3.Mechanical life cycle: 200 min.
4.Operation Temperature: -40°C to +105°C
④5.Wave Soldering temperature: +245°C, 5-10s max.

Packing: Tube

Contact	Dim A	Dim B	Dim C	Dim D
36	45.72	43.18	15.24	17.78
40	50.80	48.26	15.24	17.78
42	53.34	50.80	15.24	17.78
48	60.96	58.42	15.24	17.78
50	63.50	60.96	15.24	17.78
52	66.04	63.50	15.24	17.78
50	63.50	60.96	22.86	25.40
52	66.04	63.50	22.86	25.40
64	81.28	78.74	22.86	25.40

RoHS compliant

Unit:mm

Scale	Free
TOLERANCE	
X.	±0.50
X.X	±0.30
X.XX	±0.20
X.XXX	±0.10
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ASSMANN WSW components

Customer-No.

ASSMANN WSW-No. AR xx-x x

Drawing-No. ASS 4852 CO

rev05

Replace

Sheet 2 / 2