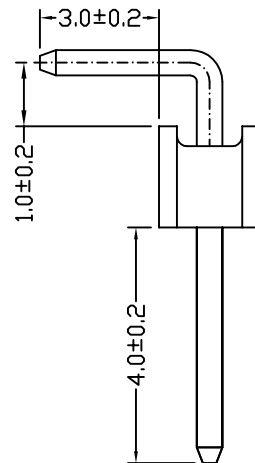
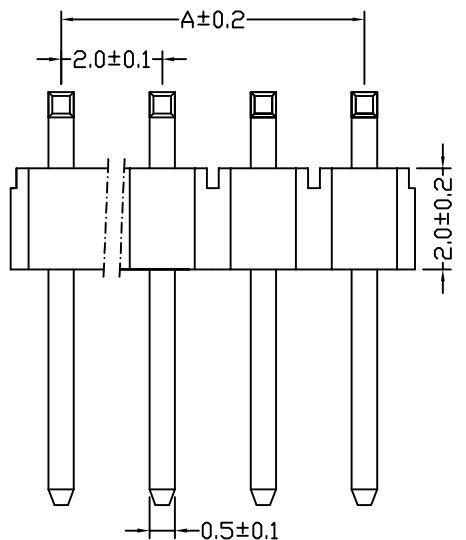


Recommend PCB Layout



SPECIFICATIONS

- Voltage rating: 250V AC, DC
- Current rating: 2A, AC, DC
- Withstanding Voltage: 1000V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C~+85°C
- (Including temperature rise in applying electrical current)
- Applicable PC board thickness: 0.031"-0.063"(0.8mm-1.6mm)
- Contact resistance: Initial Value/20m Ω max
After environmental testing/20m Ω max

WAFER

- Part No.: P2000WR
- Poles: 01-40
- Material: Contact: Brass, Gold plated
Base: PBT UL94V-0
- Q'ty: 1000 pcs/bag

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.00	21	40.00	42.00
02	2.00	4.00	22	42.00	44.00
03	4.00	6.00	23	44.00	46.00
04	6.00	8.00	24	46.00	48.00
05	8.00	10.00	25	48.00	50.00
06	10.00	12.00	26	50.00	52.00
07	12.00	14.00	27	52.00	54.00
08	14.00	16.00	28	54.00	56.00
09	16.00	18.00	29	56.00	58.00
10	18.00	20.00	30	58.00	60.00
11	20.00	22.00	31	60.00	62.00
12	22.00	24.00	32	62.00	64.00
13	24.00	26.00	33	64.00	66.00
14	26.00	28.00	34	66.00	68.00
15	28.00	30.00	35	68.00	70.00
16	30.00	32.00	36	70.00	72.00
17	32.00	34.00	37	72.00	74.00
18	34.00	36.00	38	74.00	76.00
19	36.00	38.00	39	76.00	78.00
20	38.00	40.00	40	78.00	80.00

							GENERAL TOLERANCE	东莞市翰皓精密电子有限公司 Dongguan HanHao Precision Electronics Co.,Ltd				PART NO. P2000WR-1xXX			
							X ± 0.30					TITLE 2.0 mm Crimp Style Connectors			
							.XX ± 0.20								
2011/05/22	A	B		Modify frame format	Jova	Jova Lau	.XXX ± 0.10	APPROVAL	CHECK	DRAWN	DATA	UNIT mm	SCALE 1:1	NUMBER 8	REV B
DATE	OLD REV	NEW REV	ECN	DESCRIPTION	CHECK	APPROVAL	PROJECT	Smark	Yu wei	Liu Yan	2011/05/22				

1 2 3 4 5 6 7 8

F

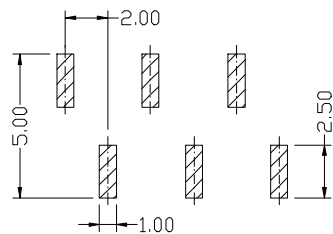
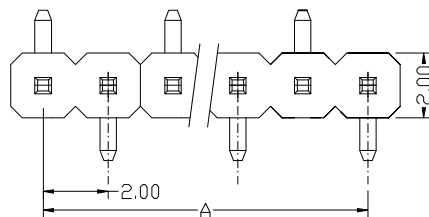
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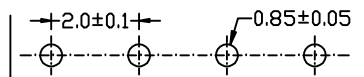
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B

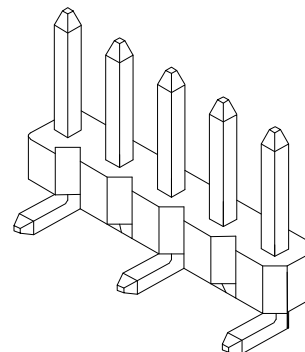
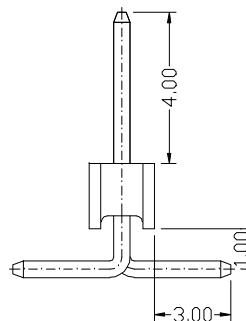
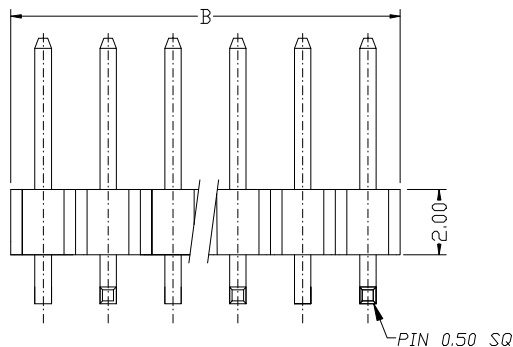
A



P.C.B LAYOUT



Recommend PCB Layout



SPECIFICATIONS

- Voltage rating: 250V AC, DC
- Current rating: 2A, AC, DC
- Withstanding Voltage: 1000V AC/minute
- Insulation resistance: 1000MΩ min
- Temperature range: -25°C~+85°C
- (Including temperature rise in applying electrical current)
- Applicable PC board thickness: 0.031"-0.063"(0.8mm-1.6mm)
- Contact resistance: Initial Value/20mΩ max
After environmental testing/20mΩ max

WAFER

- Part No.: P2000WVS
- Poles: 01-40
- Material: Contact: Brass, Gold plated
Base: PBT UL94V-0
- Mates with HLB P2000 series single row Housing
- Q'ty: 1000 pcs/bag

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	—	2.00	21	40.00	42.00
02	2.00	4.00	22	42.00	44.00
03	4.00	6.00	23	44.00	46.00
04	6.00	8.00	24	46.00	48.00
05	8.00	10.00	25	48.00	50.00
06	10.00	12.00	26	50.00	52.00
07	12.00	14.00	27	52.00	54.00
08	14.00	16.00	28	54.00	56.00
09	16.00	18.00	29	56.00	58.00
10	18.00	20.00	30	58.00	60.00
11	20.00	22.00	31	60.00	62.00
12	22.00	24.00	32	62.00	64.00
13	24.00	26.00	33	64.00	66.00
14	26.00	28.00	34	66.00	68.00
15	28.00	30.00	35	68.00	70.00
16	30.00	32.00	36	70.00	72.00
17	32.00	34.00	37	72.00	74.00
18	34.00	36.00	38	74.00	76.00
19	36.00	38.00	39	76.00	78.00
20	38.00	40.00	40	78.00	80.00

GENERAL TOLERANCE

X	±0.30
XX	±0.20
XXX	±0.10

PROJECT



东莞市翰皓精密电子有限公司
Dongguan Han Hao Precision Electronics Co., Ltd

APPROVAL CHECK DRAWN DATA

Smack Yu wei Liu Yan 2011/05/22

PART NO.

P2000WVS-1x0X

TITLE

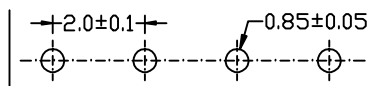
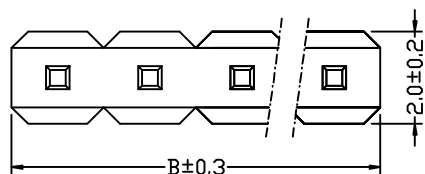
2.0 mm Crimp Style Connectors

UNIT SCALE NUMBER REV

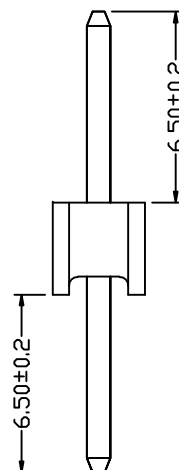
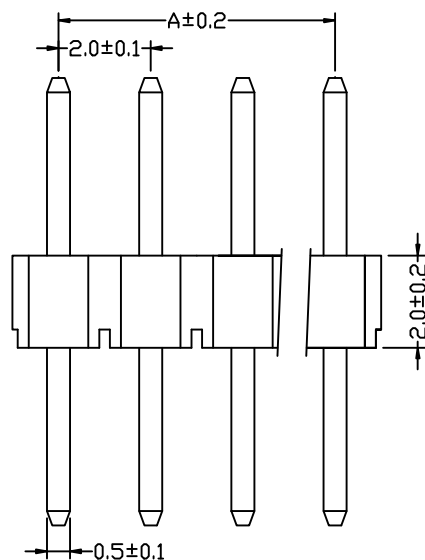
mm 1:1 B

DATE	OLD REV	NEW REV	ECN	DESCRIPTION	CHECK	APPROVAL
2011/05/22	A	B		Modify frame format	Jove	Jove Lau

1 2 3 4 5 6 7 8



Recommend PCB Layout



SPECIFICATIONS

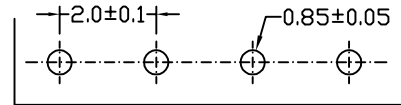
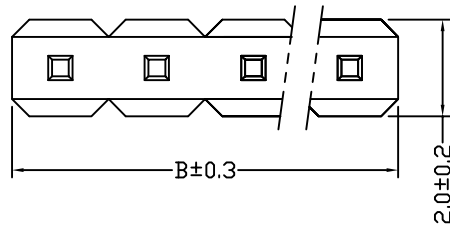
- Voltage rating: 250V AC, DC
- Current rating: 3A, AC, DC
- Withstanding Voltage: 650V AC/minute
- Insulation resistance: 1000MΩmin
- Temperature range: -25°C~+85°C
- Contact resistance: Initial value/10mΩmax
- After enviornmental testing/20mΩmax

WAFER

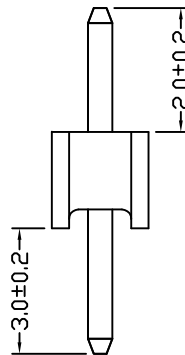
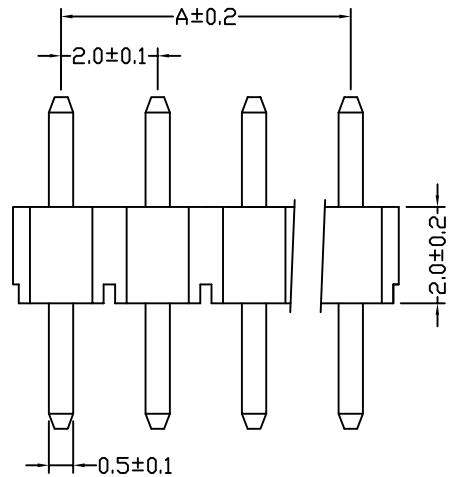
- Part No.: P2001WV
- Poles : 01-40
- Material: PBT UL94V-0
- Q'ty: 1000pcs/bag

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	—	2.00	21	40.00	42.00
02	2.00	4.00	22	42.00	44.00
03	4.00	6.00	23	44.00	46.00
04	6.00	8.00	24	46.00	48.00
05	8.00	10.00	25	48.00	50.00
06	10.00	12.00	26	50.00	52.00
07	12.00	14.00	27	52.00	54.00
08	14.00	16.00	28	54.00	56.00
09	16.00	18.00	29	56.00	58.00
10	18.00	20.00	30	58.00	60.00
11	20.00	22.00	31	60.00	62.00
12	22.00	24.00	32	62.00	64.00
13	24.00	26.00	33	64.00	66.00
14	26.00	28.00	34	66.00	68.00
15	28.00	30.00	35	68.00	70.00
16	30.00	32.00	36	70.00	72.00
17	32.00	34.00	37	72.00	74.00
18	34.00	36.00	38	74.00	76.00
19	36.00	38.00	39	76.00	78.00
20	38.00	40.00	40	78.00	80.00

								GENERAL TOLERANCE X ±0.30 XX ±0.20 XXX ±0.10		东莞市翰皓精密电子有限公司 Dongguan HanHao Precision Electronics Co.,Ltd				PART NO. P2001WV-1*XX					
														TITLE 2.0 mm Crimp Style Connectors					
2011/04/22		A	B		Modify frame format		Jova			Jova Lau		APPROVAL		CHECK		DRAWN		DATA	
DATE		OLD REV	NEW REV		DESCRIPTION		CHECK		APPROVAL		PROJECT 		Smrk		Yu wei		Liu Yan		2010/06/22
1		2		3		4		5		6		7		8					



Recommend PCB Layout



SPECIFICATIONS

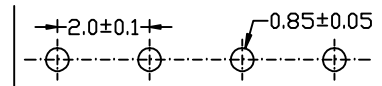
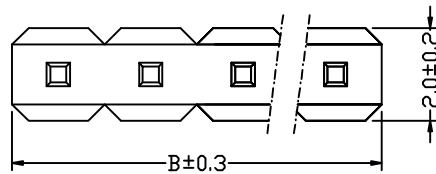
- Voltage rating: 250V AC, DC
- Current rating: 3A, AC, DC
- Withstanding Voltage: 650V AC/minute
- Insulation resistance:1000MΩmin
- Temperature range: -25°C~+85°C
- Contact resistance: Intial value/10mΩmax
- After enviornmental testing/20mΩmax

WAFER

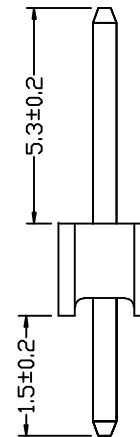
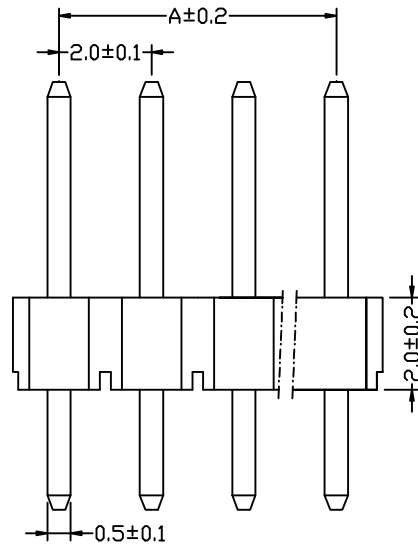
- Part No.: P2002WV
- Poles : 01-40
- Material: PBT UL94V-0
- Q'ty: 1000pcs/bag

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	--	2.00	21	40.00	42.00
02	2.00	4.00	22	42.00	44.00
03	4.00	6.00	23	44.00	46.00
04	6.00	8.00	24	46.00	48.00
05	8.00	10.00	25	48.00	50.00
06	10.00	12.00	26	50.00	52.00
07	12.00	14.00	27	52.00	54.00
08	14.00	16.00	28	54.00	56.00
09	16.00	18.00	29	56.00	58.00
10	18.00	20.00	30	58.00	60.00
11	20.00	22.00	31	60.00	62.00
12	22.00	24.00	32	62.00	64.00
13	24.00	26.00	33	64.00	66.00
14	26.00	28.00	34	66.00	68.00
15	28.00	30.00	35	68.00	70.00
16	30.00	32.00	36	70.00	72.00
17	32.00	34.00	37	72.00	74.00
18	34.00	36.00	38	74.00	76.00
19	36.00	38.00	39	76.00	78.00
20	38.00	40.00	40	78.00	80.00

							GENERAL TOLERANCE .X ±0.30 .XX ±0.20 .XXX ±0.10	东莞市翰皓精密电子有限公司 Dongguan HanHao Precision Electronics Co.,Ltd				PART NO. P2002WV-1*XX			
												TITLE 2.0 mm Crimp Style Connectors			
2011/04/22	A	B		Modify frame format	Jova	Jova Lau			APPROVAL	CHECK	DRAWN	DATA			
DATE	OLD REV	NEW REV	ECN	DESCRIPTION	CHECK	APPROVAL	PROJECT 	Smark	Yu wei	Liu Yan	2010/05/22	UNIT mm	SCALE 1 : 1	NUMBER	REV B



Recommend PCB Layout



SPECIFICATIONS

- Voltage rating: 250V AC, DC
- Current rating: 3A, AC, DC
- Withstanding Voltage: 650V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25°C~+85°C
- Contact resistance: Initial value/10m Ω max
- After enviornment testing/20m Ω max

WAFER

- Part No.: P2003WV
- Poles : 01-40
- Material: PBT UL94V-0
- Q'ty: 1000pcs/bag

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
01	—	2.00	21	40.00	42.00
02	2.00	4.00	22	42.00	44.00
03	4.00	6.00	23	44.00	46.00
04	6.00	8.00	24	46.00	48.00
05	8.00	10.00	25	48.00	50.00
06	10.00	12.00	26	50.00	52.00
07	12.00	14.00	27	52.00	54.00
08	14.00	16.00	28	54.00	56.00
09	16.00	18.00	29	56.00	58.00
10	18.00	20.00	30	58.00	60.00
11	20.00	22.00	31	60.00	62.00
12	22.00	24.00	32	62.00	64.00
13	24.00	26.00	33	64.00	66.00
14	26.00	28.00	34	66.00	68.00
15	28.00	30.00	35	68.00	70.00
16	30.00	32.00	36	70.00	72.00
17	32.00	34.00	37	72.00	74.00
18	34.00	36.00	38	74.00	76.00
19	36.00	38.00	39	76.00	78.00
20	38.00	40.00	40	78.00	80.00

							GENERAL TOLERANCE X ±0.30 XX ±0.20 XXX ±0.10	东莞市翰皓精密电子有限公司 Dongguan HanHao Precision Electronics Co.,Ltd				PART NO. P2003WV-1*XX			
												TITLE 2.0 mm Crimp Style Connectors			
2011/04/22	A	B		Modify frame format	Jova	Jova Lau			APPROVAL	CHECK	DRAWN	DATA	UNIT	SCALE	NUMBER
DATE	OLD REV	NEW REV	ECN	DESCRIPTION	CHECK	APPROVAL	PROJECT 	Smak	Yu wei	Liu Yan	2010/05/22		1:1		B

1 2 3 4 5 6 7 8

F

F

E

E

D

D

C

C

B

B

A

A

Material:

Contact Material: Phosphor Bronze

Contact plating: Au or Sn Over 50 μ " Ni

Insulator Material: Black Polyester UL94V-0

Standard: PA46+30%G.F

Electrical:

Current rating: 1.5Amps/contact max.

Contact resistance: $\leq 20\text{m}\Omega/\text{contact}$

Insulation resistance: $\geq 1000\text{M}\Omega$ at V=100V

Withstanding Voltage: 500V AC/minute

Mechanical:

Lead Size Accepted: 0.50mmSQ

Average insertion force: <200g

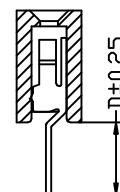
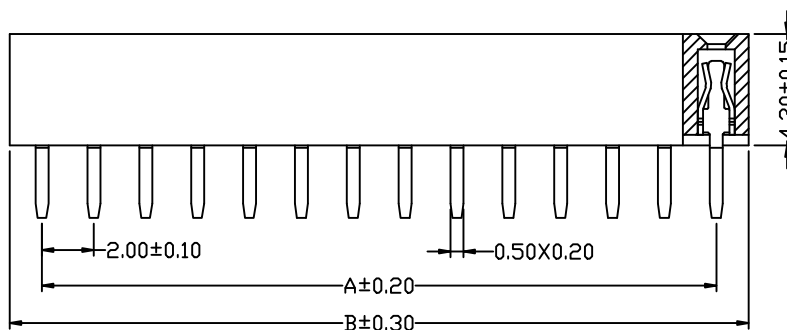
Average withdrawal force: >25g min

Mechanical life cycle: min.200

Operating temperatures: Gold Plated: -55°C to +105°C

Tin plated: -40°C to +105°C

Soldering temperature: +260°C, 10s max.



Recommended PCB Board Hole Layout

Lead Style	DRP*
01	2.4
02	2.8

Poles	Dimensions (mm)		Poles	Dimensions (mm)	
	A	B		A	B
1	—	2.50	21	40.00	42.50
2	2.00	4.50	22	42.00	44.50
3	4.00	6.50	23	44.00	46.50
4	6.00	8.50	24	46.00	48.50
5	8.00	10.50	25	48.00	50.50
6	10.00	12.50	26	50.00	52.50
7	12.00	14.50	27	52.00	54.50
8	14.00	16.50	28	54.00	56.50
9	16.00	18.50	29	56.00	58.50
10	18.00	20.50	30	58.00	60.50
11	20.00	22.50	31	60.00	62.50
12	22.00	24.50	32	62.00	64.50
13	24.00	26.50	33	64.00	66.50
14	26.00	28.50	34	66.00	68.50
15	28.00	30.50	35	68.00	70.50
16	30.00	32.50	36	70.00	72.50
17	32.00	34.50	37	72.00	74.50
18	34.00	36.50	38	74.00	76.50
19	36.00	38.50	39	76.00	78.50
20	38.00	40.50	40	78.00	80.50

GENERAL TOLERANCE

X ± 0.30
XX ± 0.20
XXX ± 0.10

东莞市翰皓精密电子有限公司
Dongguan HanHao Precision Electronics Co.,Ltd

APPROVAL

CHECK

DRAWN

DATA

PROJECT



Smark

Yu wei

Liu Yan

2011/05/22

PART NO.

PM200WV-1*XX

TITLE

2.0 mm Crimp Style Connectors

UNIT
mm

SCALE
1:1

NUMBER

REV
B

DATE	OLD REV	NEW REV	ECN	DESCRIPTION	CHECK	APPROVAL
2019/04/22	A	B		Modify frame format	Jova	Jova Lau