

## **SPECIFICATIONS:**

Voltage rating: 50V AC/DC Current rating: 1A AC/DC

Withstanding Voltage:500V AC/minute Insulation resistance:100M $\Omega$  Min. Temperature range:-40  $^{\circ}$ C To +105  $^{\circ}$ C

Contact resistance:20mΩ Max.

## Standards

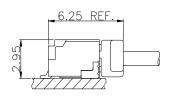


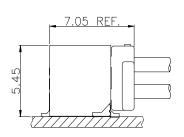


**RoHS** 

## **Assembly Layout**

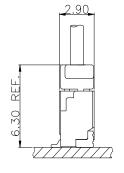
## Right Angle Type

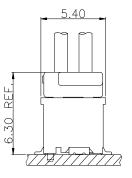




Http://www.antenk.com TEL:86-755-27067689

## Vertical Type



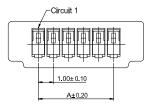


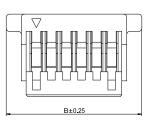
E-mail:sales@antenk.com FAX:86-755-27067079

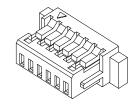
#### 1.00mm Pitch single row housing connector

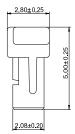
#### HOUSING

- ·Part NO.:AH1002-xP
- ·Suitable:AT1002T-xP series Terminal
- ·Mates with:AW1002-xP series Single Row Wafer
- ·Material:PBT,UL94V-0
- ·Color:White









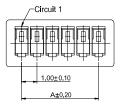
Ordering Information & Dimensions:

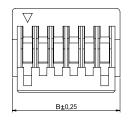
D . W		nsions(mm)
Part No.	A	В
AH1002-02P	1.00	5.00
AH1002-03P	2.00	6.00
AH1002-04P	3.00	7.00
AH1002-05P	4.00	8.00
AH1002-06P	5.00	9.00
AH1002-07P	6.00	10.00
AH1002-08P	7.00	11.00
AH1002-09P	8.00	12.00
AH1002-10P	9.00	13.00
AH1002-11P	10.00	14.00
AH1002-12P	11.00	15.00
AH1002-13P	12.00	16.00
AH1002-14P	13.00	17.00
AH1002-15P	14.00	18.00
AH1002-16P	15.00	19.00
AH1002-17P	16.00	20.00
AH1002-18P	17.00	21.00
AH1002-19P	18.00	22.00
AH1002-20P	19.00	23.00

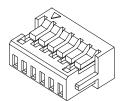
#### 1.00mm Pitch single row housing connector

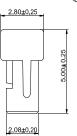
#### HOUSING

- ·Part NO.:AH1002-xP-2
- ·Suitable:AT1002T-xP series Terminal
- ·Mates with: AW1002-xP series Single Row Wafer
- ·Material:PBT,UL94V-0
- ·Color:White









Ordering Information & Dimensions:

Part No.	Dimensions(mm)		
rart wo.	A	В	
AH1002-02P-2	1.00	3.00	
AH1002-03P-2	2.00	4.00	
AH1002-04P-2	3.00	5.00	
AH1002-05P-2	4.00	6.00	
AH1002-06P-2	5.00	7.00	
AH1002-07P-2	6.00	8.00	
AH1002-08P-2	7.00	9.00	
AH1002-09P-2	8.00	10.00	
AH1002-10P-2	9.00	11.00	
AH1002-11P-2	10.00	12.00	
AH1002-12P-2	11.00	13.00	
AH1002-13P-2	12.00	14.00	
AH1002-14P-2	13.00	15.00	
AH1002-15P-2	14.00	16.00	
AH1002-16P-2	15.00	17.00	
AH1002-17P-2	16.00	18.00	
AH1002-18P-2	17.00	19.00	
AH1002-19P-2	18.00	20.00	
AH1002-20P-2	19.00	21.00	

#### 1.00mm Pitch single row housing connector

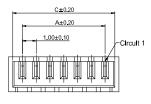
#### HOUSING

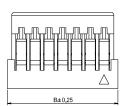
- ·Part NO.:AH1002A-xP
- ·Suitable: AT1002AT-xP series Terminal
- ·Mates with:AW1002VB-S-xP

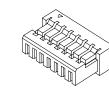
AW1002RA-S-xP,AW1002RB-S-xP series Wafer

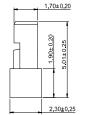
·Material:PBT,UL94V-0

Color:White









Part No.	D THICH'S TORIS (HIII,		
rart no.	A	В	C
AH1002A-02P	1.00	3.00	2.40
AH1002A-03P	2.00	4.00	3.40
AH1002A-04P	3.00	5.00	4.40
AH1002A-05P	4.00	6.00	5.40
AH1002A-06P	5.00	7.00	6.40
AH1002A-07P	6,00	8.00	7.40
AH1002A-08P	7.00	9.00	8.40
AH1002A-09P	8.00	10.00	9.40
AH1002A-10P	9.00	11.00	10.40
AH1002A-11P	10.00	12.00	11.40
AH1002A-12P	11.00	13.00	12.40
AH1002A-13P	12.00	14.00	13.40
AH1002A-14P	13.00	15.00	14.40
AH1002A-15P	14.00	16,00	15.40
AH1002A-16P	15.00	17.00	16.40
AH1002A-17P	16.00	18.00	17.40
AH1002A-18P	17.00	19.00	18.40
AH1002A-19P	18.00	20.00	19.40
AH1002A-20P	19.00	21.00	20.40

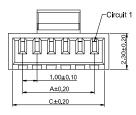
#### Wire to Board Connector Series

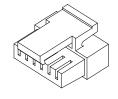
#### Connectors Expert Around You

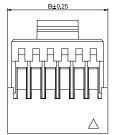
#### 1.00mm Pitch single row housing connector

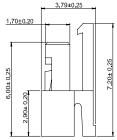
#### HOUSING

- ·Part NO.:AH1002B-xP
- ·Suitable:AT1002AT-xP series Terminal
- ·Mateswith:AW1002VB-S-xP,AW1002RB-S-xP series Wafer
- ·Material:Nylon 66,UL94V-0 Color:White







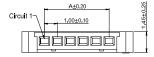


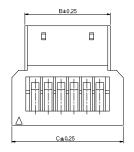
dering Informa	ation & D	imension	S:
Part No.		Dimensi	ons (mm)
rart No.	A	В	C
AH1002B-02P	1.00	3, 00	2, 40
AH1002B-03P	2.00	4, 00	3, 40
AH1002B-04P	3.00	5,00	4, 40
AH1002B-05P	4.00	6,00	5, 40
AH1002B-06P	5.00	7,00	6, 40
AH1002B-07P	6.00	8,00	7, 40
AH1002B-08P	7.00	9,00	8, 40
AH1002B-09P	8,00	10,00	9, 40
AH1002B-10P	9,00	11.00	10.40
AH1002B-11P	10.00	12,00	11, 40
AH1002B-12P	11.00	13, 00	12, 40
AH1002B-13P	12.00	14.00	13.40
AH1002B-14P	13.00	15, 00	14.40
AH1002B-15P	14.00	16,00	15.40
AH1002B-16P	15.00	17, 00	16.40
AH1002B-17P	16.00	18, 00	17.40
AH1002B-18P	17.00	19.00	18.40
AH1002B-19P	18.00	20,00	19.40
AH1002B-20P	19.00	21.00	20.40

#### 1.00mm Pitch single row housing connector

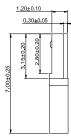
#### HOUSING

- ·Part NO.:AH1002C-xP
- ·Suitable:AT1002CT-xP series Terminal
- ·Material:Nylon 46,UL94V-0
- Color:Ivory









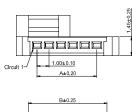
0	Ordering Information & Dimensions:						
Poles	Part No.	Dimensions(mm)					
rores	rart No.	A	В	C			
04	AH1002C-04P	3.00	4.60	6, 60			
06	AH1002C-06P	5.00	6.60	8, 60			

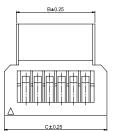
#### 1.00mm Pitch single row housing connector

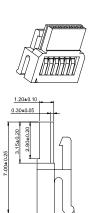
#### HOUSING

- ·Part NO.:AH1002D-xP
- ·Suitable:AT1002CT-xP series Terminal
- ·Material:Nylon 46,UL94V-0

Color:Ivory







Ordering	Information &	Dimension	is:	
Poles	Part No.		Dimensio	ns(mm)
rores	rare no.	A	В	C
04	AH1002D-04P	3,00	4, 60	6, 60



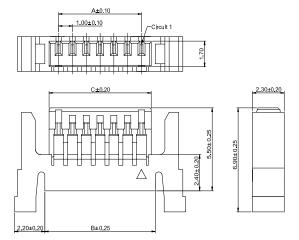
Connectors Expert Around You

# EU E NO E479709

#### 1.00mm Pitch single row housing connector

#### HOUSING

- ·Part NO.:AH1002E-xP
- ·Suitable:AT1002AT-xP series Terminal
- ·Mateswith:AW1002RC-S-xP series Wafer
- ·Material:Nylon 66,UL94V-0
- ·Color:White

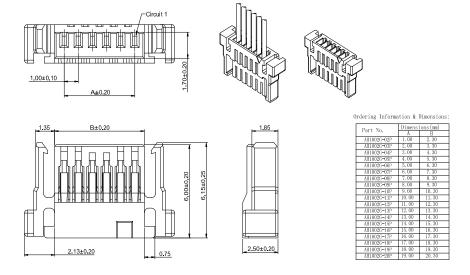


Part No.		Dimensio	ns (mm)
	A	В	C
AH1002E-02P	1.00	3, 00	2.40
AH1002E-03P	2.00	4.00	3.40
AH1002E-04P	3, 00	5, 00	4.40
AH1002E-05P	4.00	6.00	5.40
AH1002E-06P	5, 00	7, 00	6.40
AH1002E-07P	6.00	8.00	7.40
AH1002E-08P	7.00	9, 00	8.40
AH1002E-09P	8, 00	10.00	9, 40
AH1002E-10P	9.00	11.00	10.40
AH1002E-11P	10.00	12.00	11.40
AH1002E-12P	11.00	13.00	12.40
AH1002E-13P	12.00	14.00	13, 40
AH1002E-14P	13.00	15.00	14.40
AH1002E-15P	14.00	16.00	15.40
AH1002E-16P	15.00	17.00	16.40
AH1002E-17P	16.00	18, 00	17.40
AH1002E-18P	17.00	19.00	18.40
AH1002E-19P	18,00	20, 00	19, 40

#### 1.00mm Pitch 180° single row housing connector

#### HOUSING

- ·Part NO.:AH1002G-xP
- ·Suitable:AT1002DT-xP series Terminal
- ·Mates with: AW1002RD-S-xP series Wafer
- ·Material:Nylon 66,UL94V-0
- Color:White

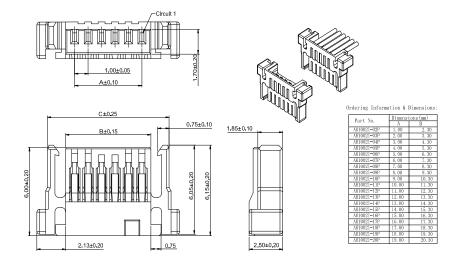


### 1.00mm Pitch 90° single row housing connector

#### HOUSING

- ·Part NO.:AH1002I-xP
- ·Suitable:AT1002DT-xP series Terminal
- ·Mates with:AW1002RD-S-xP series Wafer
- ·Material:Nylon 66,UL94V-0

Color:White





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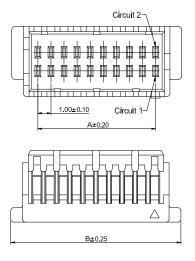
# RILE NO 5472702

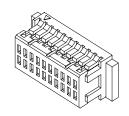
#### 1.00mm Pitch dual row housing connector

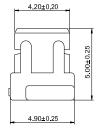
#### HOUSING

- Part NO .: AH1002-2xNP
- ·Suitable:AT1002T-xP series Terminal
- ·Mates with: AW1002 series Dual Row Wafer
- ·Material:PBT,UL94V-0

Color:White







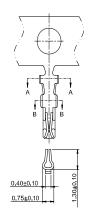
Ordering Information & Dimensions:

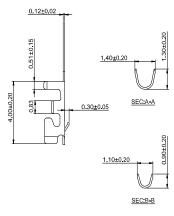
Part No.	Dimensions (mm)		
rart No.	A	В	
AH1002-2x06P	5.00	9.00	
AH1002-2x08P	7.00	11.00	
AH1002-2x10P	9.00	13.00	
AH1002-2x15P	14.00	18.00	
AH1002-2x20P	19.00	23.00	
AH1002-2x25P	24.00	28.00	

#### 1.00mm Pitch crimp terminal connector

#### TERMINAL

- ·Part NO:AT1002T-xP
- ·Applicable wire:AWG#28-#32
- ·Material:Phosphor Bronze
- ·Finish:Tin Plated or Gold
- ·Used in AH1002-xP,AH1002-xP-2 series Housing





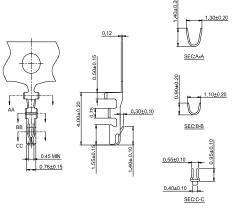
Ordering information & Specifications

	Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
Г	AT1002T-TP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Tin <b>over</b> Nickel	20,000 PCS
	AT1002T-GP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

#### 1.00mm Pitch crimp terminal connector

#### TERMINAL

- ·Part NO:AT1002AT-xP
- ·Applicable wire:AWG#28-#32
- ·Material:Phosphor Bronze
- ·Finish:Tin Plated or Gold
- ·Used in AH1002A-xP,AH1002B-xP series Housing



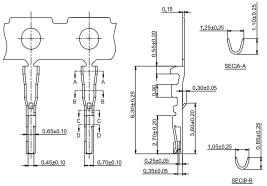
Ordering information & Specifications

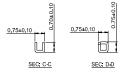
Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
AT1002AT-TP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Tin <b>over</b> Nickel	20,000 PCS
AT1002AT-GP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

## 1.00mm Pitch crimp terminal connector

#### TERMINAL

- ·Part NO:AT1002CT-xP
- ·Applicable wire:AWG#28-#32
- ·Material:Phosphor Bronze
- ·Finish:Tin Plated or Gold
- ·Used in AH1002C-xP,AH1002D-xP series Housing





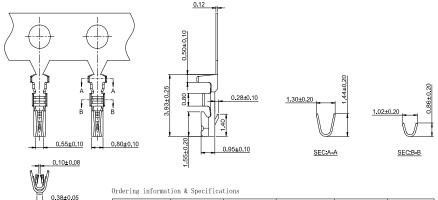
Ordering information & Specifications

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
AT1002CT-TP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Tin <b>over</b> Nickel	20,000 PCS
AT1002CT-GP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

#### 1.00mm Pitch crimp terminal connector

#### TERMINAL

- ·Part NO:AT1002DT-xP
- ·Applicable wire:AWG#28-#32
- ·Material:Phosphor Bronze
- ·Finish:Tin Plated or Gold
- ·Used in AH1002G-xP,AH1002I-xP series Housing



	Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
	AT1002DT-TP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Tin over Nickel	20,000 PCS
ı	AT1002DT-GP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

#### 1.00mm Pitch 180° single row wafer-smt connector

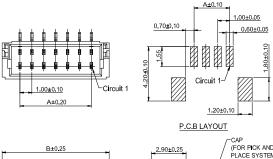
#### WAFER

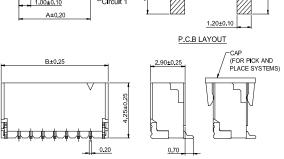
- ·Part NO:AW1002V-S-xP
- ·Material:

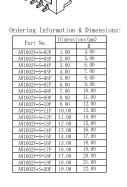
Pin:Phosphor Bronze/Tin over Nickel

Solder Tabs: Phosphor Bronze/Tin over Nickel Insulator:Nylon 6T, UL94V-0

- ·Mates with:AH1002-xP series Single Row Housing
- ·Color: Ivory







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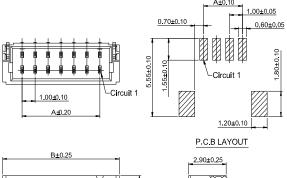
#### Wire to Board Connector Series

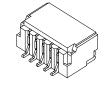
Connectors Expert Around You

#### 1.00mm Pitch 90° single row wafer-smt connector

#### WAFER

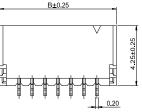
- ·Part NO:AW1002R-S-xP
- ·Material:Pin:Phosphor Bronze/Tin over Nickel Solder Tabs: Phosphor Bronze/Tin over Nickel Insulator:Nylon 6T, UL94V-0
- ·Mates with:AH1002-xP series Single Row Housing
- ·Color: Ivory

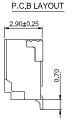




Ordering Information & Dimensions:

Part. No.	Dimensions (min)	
rait No.	A	В
AW1002R-S-02P	1.00	4.00
AW1002R-S-03P	2.00	5.00
AW1002R-S-04P	3.00	6.00
AW1002R-S-05P	4.00	7.00
AW1002R-S-06P	5.00	8.00
AW1002R-S-07P	6.00	9.00
AW1002R-S-08P	7.00	10.00
AW1002R-S-09P	8.00	11.00
AW1002R-S-10P	9.00	12.00
AW1002R-S-11P	10.00	13.00
AW1002R-S-12P	11.00	14.00
AW1002R-S-13P	12.00	15.00
AW1002R-S-14P	13.00	16.00
AW1002R-S-15P	14.00	17.00
AW1002R-S-16P	15.00	18.00
AW1002R-S-17P	16.00	19.00
AW1002R-S-18P	17.00	20.00
AW1002R-S-19P	18.00	21.00
AW1002R-S-20P	10.00	22.00





### 1.00mm Pitch 180° single row wafer-smt connector

- ·Part NO:AW1002VB-S-xP
- ·Material:

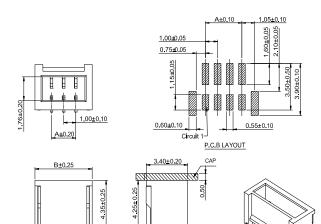
Pin:Phosphor Bronze/Tin over Nickel

Solder Tabs: Phosphor Bronze/Tin over Nickel

Insulator: Nylon 9T, UL94V-0

Mates with: AH1002B-xP series Single Row Housing

·Color: Ivory



3.50±0.20

1.20±0.10

0	rdering Infor	mation	& Dimens	ions
	Part No.	Dimens:	ions(mm)	]
	rart No.	A	В	
	AW1002VB-S-02P	1.00	3.70	1
	AW1002VB-S-03P	2.00	4.70	1
	AW1002VB-S-04P	3.00	5.70	1
	AW1002VB-S-05P	4.00	6.70	1
	AW1002VB-S-06P	5.00	7.70	1
	AW1002VB-S-07P	6.00	8.70	1
	AW1002VB-S-08P	7.00	9.70	1
	AW1002VB-S-09P	8.00	10.70	1
	AW1002VB-S-10P	9.00	11.70	1
	AW1002VB-S-11P	10.00	12.70	1
	AW1002VB-S-12P	11.00	13.70	1
	AW1002VB-S-13P	12.00	14.70	1
	AW1002VB-S-14P	13.00	15.70	1
	AW1002VB-S-15P	14.00	16.70	1
	AW1002VB-S-16P	15.00	17.70	1
	AW1002VB-S-17P	16.00	18.70	1
	AW1002VB-S-18P	17.00	19.70	1

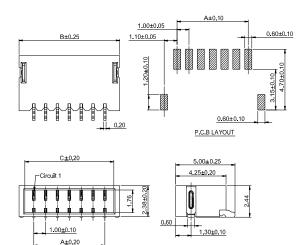
#### 1.00mm Pitch 90° single row wafer-smt connector

#### WAFER

- ·Part NO:AW1002RA-S-xP
- ·Material:Pin:Brass/Tin over Nickel Solder Tabs: Brass/Tin over Nickel

Insulator: Nylon 6T, UL94V-0

- ·Mates with: AH1002A-xP series Single Row Housing
- ·Color: Ivory



Ordering	Information	&	Dimensions

Part No.		D1mens1c	
Tart No.	A	В	C
AW1002RA-S-02P	1.00	3, 50	2.50
AW1002RA-S-03P	2.00	4, 50	3.50
AW1002RA-S-04P	3.00	5, 50	4.50
AW1002RA-S-05P	4.00	6.50	5.50
AW1002RA-S-06P	5.00	7.50	6.50
AW1002RA-S-07P	6.00	8.50	7.50
AW1002RA-S-08P	7.00	9.50	8.50
AW1002RA-S-09P	8.00	10.50	9.50
AW1002RA-S-10P	9.00	11.50	10.5
AW1002RA-S-11P	10.00	12.50	11.5
AW1002RA-S-12P	11.00	13.50	12.5
AW1002RA-S-13P	12.00	14.50	13. 5
AW1002RA-S-14P	13.00	15, 50	14.5
AW1002RA-S-15P	14.00	16, 50	15.5
AW1002RA-S-16P	15.00	17.50	16.5
AW1002RA-S-17P	16.00	18, 50	17.5
AW1002RA-S-18P	17.00	19.50	18.5
AW1002RA-S-19P	18.00	20.50	19.5
AW1002RA-S-20P	19.00	21.50	20.5



#### Wire to Board Connector Series

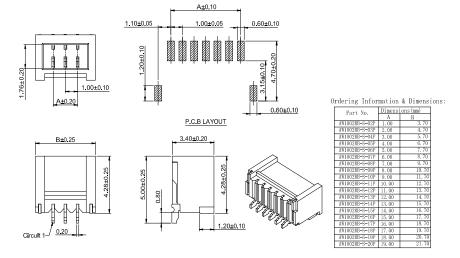


Connectors Expert Around You

#### 1.00mm pitch 90° single row wafer-smt connector

#### WAFER

- ·Part NO:AW1002RB-S-xP
- ·Material:Pin:Phosphor Bronze/Tin over Nickel Solder Tabs: Phosphor Bronze/Tin over Nickel Insulator:Nylon 9T UL94V-0
- ·Mates with:AH1002B-xP series Single Row Housing
- ·Color: Ivory

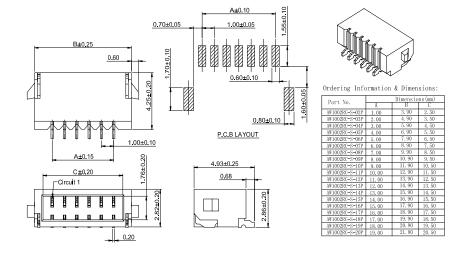


#### 1.00mm pitch 90° single row wafer-smt connector

#### WAFER

- ·Part NO:AW1002RC-S-xP
- ·Material: Pin:Brass/Tin over Nickel Solder Tabs: Brass/Tin over Nickel Insulator:Nylon 9T, UL94V-0
- ·Mates with:AH1002E-xP series Single Row

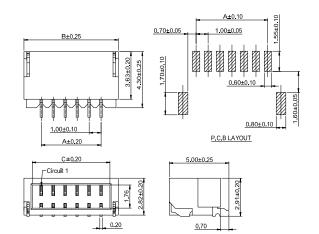
Housing ∙Color: Ivory



#### 1.00mm Pitch 90° single row wafer-smt connector

#### WAFER

- ·Part NO:AW1002RD-S-xP
- ·Material: Pin:Brass/Tin over Nickel Solder Tabs: Brass/Tin over Nickel Insulator:Nylon 9T, UL94V-0
- ·Mates with:AH1002G-xP,AH1002I-xP series
- Single Row Housing
- ·Color: Ivory



Ordering Info	ormation	& Dime	nsions:	
Part No.	Dimensions (mm)			
rant No.	A	В	C	
AW1002RD-S-02P	1.00	3.90	2.50	
AW1002RD-S-03P	2.00	4.90	3.50	
AW1002RD-S-04P	3.00	5. 90	4.50	
AW1002RD-S-05P	4.00	6.90	5.50	
AW1002RD-S-06P	5.00	7.90	6.50	
AW1002RD-S-07P	6.00	8.90	7.50	
AW1002RD-S-08P	7.00	9.90	8.50	
AW1002RD-S-09P	8.00	10.90	9.50	
AW1002RD-S-10P	9.00	11.90	10.50	
AW1002RD-S-11P	10.00	12.90	11.50	
AW1002RD-S-12P	11.00	13.90	12.50	
AW1002RD-S-13P	12.00	14.90	13.50	
AW1002RD-S-14P	13.00	15.90	14.50	
AW1002RD-S-15P	14.00	16.90	15.50	
AW1002RD-S-16P	15.00	17.90	16.50	
AW1002RD-S-17P	16.00	18.90	17.50	
AW1002RD-S-18P	17.00	19.90	18.50	
AW1002RD-S-19P	18.00	20.90	19.50	
AW1002RD-S-20P	19.00	21.90	20.50	



Connectors Expert Around You

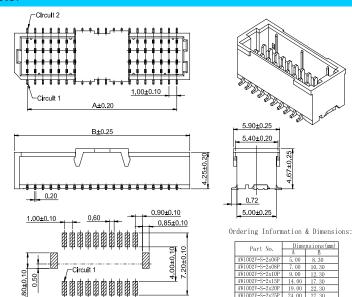
## 1.00mm Pitch 180° dual row wafer-smt connector

#### WAFER

- ·Part NO:AW1002V-S-2xNP
- ·Material:

Pin:Phosphor Bronze/Tin over Nickel Solder Tabs:Phosphor Bronze/Tin over Nickel Insulator:Nylon 6T, UL94V-0

- ·Mates with: AH1002-2xNP series Dual Row Housing
- ·Color: Ivory



#### 1.00mm Pitch 180° dual row wafer-smt connector

#### WAFER

·Part NO:AW1002V-S-F-2xNP

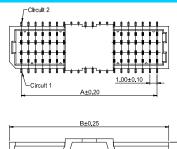
·Material: Pin:Phosphor Bronze/Tin over Nickel

Solder Tabs:Phosphor Bronze/Tin over Nickel

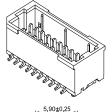
Insulator: Nylon 6T, UL94V-0

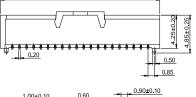
·Mates with:AH1002-2xNP series Dual Row Housing

Color: Ivory

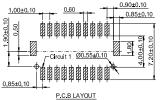


P.C.B LAYOUT









Part No.	Dimensions (mm)		
	A	В	
\W1002V-S-F-2x06P	5.00	8.30	
\W1002V-S-F-2x08P	7.00	10.30	
\W1002V-S-F-2x10P	9.00	12.30	
\W1002V-S-F-2x15P	14.00	17.30	
AW1002V-S-F-2x20P	19.00	22.30	
\W1002V-S-F-2x25P	24.00	27, 30	

Ordering Information & Dimensions:

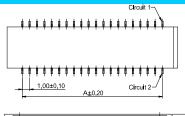
#### 1.00mm Pitch 90° dual row wafer-smt connector

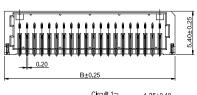
#### WAFER

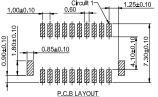
- -Part NO:AW1002R-S-2xNP
- ·Material:

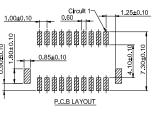
Pin:Phosphor Bronze/Tin over Nickel Solder Tabs:Phosphor Bronze/Tin over Nickel Insulator:Nylon 6T, UL94V-0

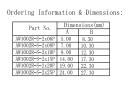
- ·Mates with:AH1002-2xNP series Dual Row Housing
- ·Color: Ivory











0.70

E-mail:sales@antenk.com FAX:86-755-27067079