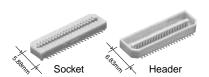
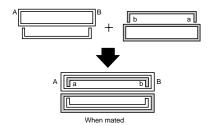
Panasonic ideas for life



Compliance with RoHS Directive

FEATURES

- 1. The product lineup consists of the low profile of 3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 11.5 mm, and 13.0 mm 14.0 mm.
- 2. For the 11.5-mm type, the socket and header have the same shape. This simplifies management of stock and delivering.



For board-to-board

Narrow pitch connectors (0.8mm pitch)

3. Perfect for portable devices, the bellows-type contacts provide a strong resistance against falling, impacts, and forced insertions and removals.

Bellows-type contacts

Bellows-type contacts resist mating stress and offer high contact reliability.

Ex.: Stacking height of 3.0 mm

The bellows type contacts are fabricated by bending thin sheet metal. They offer reliable contact since a rounded corner, instead of a sharp edge, is used for tuning fork type contact.

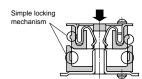
Round corner makes contact.

4. Porosity treatment applied for improved resistance against corrosion.

5. Simple lock mechanism

Lock mechanism ensures proper contact and provides resistance against vibrations and shocks.

3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, and 14.0 mm.



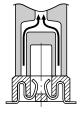
The simple lock mechanism is not featured on the 11.5-mm type. However, proper contact and resistance against vibrations and shocks are both ensured by the long mating length.

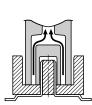
P8 Series

6. Automatic mounting (excluding 11.5 mm type)

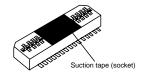
 Automatic mounting machine is available with an exclusive mounting nozzle.

Using the following types of suction nozzles make the connectors compatible with automatic mounting without the need for suction tape.

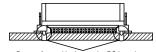




Suction tape and covers are also available for compatibility with other types of mounting machines.



2) Positioning bosses (those without bosses are also available)



Bosses for positioning on the PC board (those without bosses are also available). Suitable for both manual and automatic mounting.

APPLICATIONS

Small portable equipment, laptop computers, video equipment, radio communication, cellular telephones, etc.

ORDERING INFORMATION

1. P8 (11.5 mm)

AXN 1 0 1 5 1: Narrow Pitch Connector P8 (0.8 mm pitch) Socket and header are common Number of contacts (2 digits) Suction cover Nii: Without suction tape C: With suction tape Terminal shape/Mated direction/Mated height 0: For SMD vertical mating, mated height 11.5 mm Functions 1: With soldering terminals, with positioning bosses Surface treatment (Contact portion / Terminal portion) 1: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface Other specifications 5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN AXN AXN AXN AXN AXN AXN AX
Socket and header are common Number of contacts (2 digits) Suction cover Ni: Without suction tape C: With suction tape C: Socket; with suction tape C: With suction
Suction cover Nil: Without suction tape C: With suction tape Terminal shape/Mated direction/Mated height 0: For SMD vertical mating, mated height 11.5 mm Functions 1: With soldering terminals, with positioning bosses Surface treatment (Contact portion / Terminal portion) 1: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface Other specifications 5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN AXN AXN AXN AXN AXN AXN BY AXN BY AXN BY BY BY BY BY BY BY BY BY B
Nil: With suction tape C: With suction tape C: With suction tape Terminal shape/Mated direction/Mated height 0: For SMD vertical mating, mated height 11.5 mm Functions 1: With soldering terminals, with positioning bosses Surface treatment (Contact portion / Terminal portion) 1: Nil plating on base, Au plating on surface / Ni plating on base, Au plating on surface Other specifications 5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN 3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; without suction tape, Header; with suction cover Mated height Sockets 0: For mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 3.5 mm, 4.5 mm and 5.5 mm Header> 0: For mated height 13.0 mm, 7.0 mm, 8.0 mm, 13.0 mm and 14.0 mm 2: For mated height 13.0 mm, 7.5 mm and 6.0 mm 4: For mated height 1.40 mm 5: For mated height 1.40 mm, 4.5 mm and 7.0 mm 6: For mated height 1.40 mm, 5.5 mm and 8.0 mm Functions
0: For SMD vertical mating, mated height 11.5 mm Functions 1: With soldering terminals, with positioning bosses Surface treatment (Contact portion / Terminal portion) 1: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface Other specifications 5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN 3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; without suction cover Mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 3.5 mm, 4.5 mm and 5.5 mm Header> O: For mated height 13.0 mm 1: For mated height 13.0 mm 1: For mated height 13.0 mm, 3.5 mm and 6.0 mm 1: For mated height 14.0 mm 3: For mated height 15.0 mm, 5.5 mm and 7.0 mm 5: For mated height 15.0 mm, 5.5 mm and 6.0 mm Functions
1: With soldering terminals, with positioning bosses Surface treatment (Contact portion / Terminal portion) 1: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface Other specifications 5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN AXN 3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; with suction cover Mated height <socket> 0: For mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 3.5 mm, 4.5 mm and 5.5 mm Header> 0: For mated height 13.0 mm 1: For mated height 13.0 mm 3: For mated height 13.0 mm 3: For mated height 1.0 mm 3: For mated height 1.0 mm 3: For mated height 1.0 mm, 4.5 mm and 6.0 mm 4: For mated height 1.0 mm, 4.5 mm and 8.0 mm Functions</socket>
1: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface Other specifications 5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN 3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nii: Socket; without suction tape, Header; without suction cover C: Socket; without suction tape, Header; with suction cover Mated height
5: Part control number Packing P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) 3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; without suction tape, Header; with suction cover Mated height <socket; 13.0="" 14.0="" 1:="" 2:="" 3.0="" 3:="" 4.0="" 4:="" 5.0="" 5.5="" 6.0="" 7.0="" 8.0="" and="" cover="" for="" functions<="" header;="" height="" mated="" mm="" mm,="" suction="" tape,="" td="" with=""></socket;>
P: Embossed tape and paper reel × 2 S: Tube package 2. P8 (3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5 mm, 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm, 14.0 mm) AXN 3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nit: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; with suction cover Mated height Socket> 0: For mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 13.0 mm, 7.0 mm, 8.0 mm, 13.0 mm and 14.0 mm 2: For mated height 13.5 mm, 4.5 mm and 5.5 mm Header> 0: For mated height 13.0 mm 1: For mated height 13.0 mm, 3.5 mm and 6.0 mm 1: For mated height 13.0 mm, 3.5 mm and 6.0 mm 1: For mated height 10.0 mm, 5.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions
3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; with suction cover Mated height Socket> 0: For mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm and 14.0 mm 2: For mated height 13.5 mm, 4.5 mm and 5.5 mm Header> 0: For mated height 13.0 mm 3: For mated height 14.0 mm 3: For mated height 4.0 mm, 3.5 mm and 6.0 mm 4: For mated height 4.0 mm, 4.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions
3: Narrow Pitch Connector P8 (0.8 mm pitch) Socket 4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; with suction cover Mated height Socket> 0: For mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm and 14.0 mm 2: For mated height 13.5 mm, 4.5 mm and 5.5 mm Header> 0: For mated height 13.0 mm 1: For mated height 13.0 mm 3: For mated height 14.0 mm 3: For mated height 4.0 mm, 4.5 mm and 6.0 mm 4: For mated height 4.0 mm, 4.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions
4: Narrow Pitch Connector P8 (0.8 mm pitch) Header Number of contacts (2 digits) Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; with suction cover Mated height <socket> 0: For mated height 3.0 mm, 4.0 mm and 5.0 mm 1: For mated height 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm and 14.0 mm 2: For mated height 3.5 mm, 4.5 mm and 5.5 mm <header> 0: For mated height 13.0 mm 1: For mated height 13.0 mm 3: For mated height 14.0 mm 3: For mated height 4.0 mm, 4.5 mm and 6.0 mm 4: For mated height 4.0 mm, 4.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions</header></socket>
Suction tape and cover Nil: Socket; without suction tape, Header; without suction cover C: Socket; with suction tape, Header; with suction cover Mated height <socket> 0: For mated height 6.0 mm, 4.0 mm and 5.0 mm 1: For mated height 6.0 mm, 7.0 mm, 8.0 mm, 13.0 mm and 14.0 mm 2: For mated height 3.5 mm, 4.5 mm and 5.5 mm <header> 0: For mated height 13.0 mm 1: For mated height 14.0 mm 3: For mated height 14.0 mm 4: For mated height 4.0 mm, 4.5 mm and 6.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions</header></socket>
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2: For mated height 3.5 mm, 4.5 mm and 5.5 mm <header> 0: For mated height 13.0 mm 1: For mated height 14.0 mm 3: For mated height 3.0 mm, 3.5 mm and 6.0 mm 4: For mated height 4.0 mm, 4.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions</header>
0: For mated height 13.0 mm 1: For mated height 14.0 mm 3: For mated height 3.0 mm, 3.5 mm and 6.0 mm 4: For mated height 4.0 mm, 4.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions
3: For mated height 3.0 mm, 3.5 mm and 6.0 mm 4: For mated height 4.0 mm, 4.5 mm and 7.0 mm 5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions
5: For mated height 5.0 mm, 5.5 mm and 8.0 mm Functions
Functions
(Free and for most of bright 40.0 may be a decreamly and the amplitude)
(Except for mated height 13.0 mm header, embossed tape packing) 4: Without positioning bosses
(Mated height 13.0 mm header, embossed tape packing and mated height 14.0 mm header only)
Surface treatment (Contact portion / Terminal portion) <socket></socket>
0: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface (Applies to mated heights of 6.0 to 14.0 mm.) 8: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface (Applies to mated heights of 3.0 to 5.5 mm.)
<header></header>
0: Ni plating on base, Au plating on surface / Ni plating on base, Au plating on surface
Packing J: 1,500 pieces embossed tape and paper reel × 2 P: 1,000 pieces embossed tape and paper reel × 2
S: Tube package Note: 1. The tops width for 100 pin embassed tops packaging is pag. US standard. Places inquire.
Notes: 1. The tape width for 100-pin embossed tape packaging is non-JIS standard. Please inquire. 2. The depth of the embossed tape for headers with 13 mm and 14 mm mated heights is non-JIS standard. Please test with your mounter before using. 3. Models possible for "J" packaging are as follows: Socket mated heights: 3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, and 5.5 mm Headers: Mated heights 3.0 mm, 3.5 mm, and 6.0 mm

Panasonic Electric Works Automation Controls Business Unit panasonic-electric-works.net/ac

PRODUCT TYPES

PRODUCT TYPES										
		Stick package						ape package		
Mated	No. of contacts	Part No.		Packing	quantity	Part No.		Packing quantity		
height	Comacis	Socket	Header	Stick	Outer carton	Socket	Header	Inner carton (1 reel)	Outer carton	
	16	AXN316038S	AXN416330S	50 pcs.	300 pcs.	AXN316038*	AXN416330*	(11001)		
	20	AXN320038S	AXN420330S	50 pcs.	300 pcs.	AXN320038*	AXN420330*			
	24	AXN324038S	AXN424330S	30 pcs.	300 pcs.	AXN324038*	AXN424330*			
	26	AXN326038S	AXN426330S	30 pcs.	300 pcs.	AXN326038*	AXN426330*			
3.0 mm	30	AXN330038S	AXN430330S	30 pcs.	300 pcs.	AXN330038*	AXN430330*			
3.0 11111	40	AXN340038S	AXN440330S	25 pcs.	300 pcs.	AXN340038*	AXN440330*			
	50	AXN350038S	AXN450330S	20 pcs.	300 pcs.	AXN350038*	AXN450330*			
	60	AXN360038S	AXN460330S	15 pcs.	300 pcs.	AXN360038*	AXN460330*			
	80	AXN380038S	AXN480330S	12 pcs.	300 pcs.	AXN380038*	AXN480330*			
	100 16	AXN300038S AXN316238S	AXN400330S AXN416330S	12 pcs. 50 pcs.	300 pcs.	AXN316238*	AXN416330*			
	24	AXN324238S	AXN424330S	30 pcs.	300 pcs.	AXN324238*	AXN416330*			
3.5 mm	26	AXN326238S	AXN424330S	30 pcs.	300 pcs.	AXN326238*	AXN424330*			
0.0 111111	30	AXN330238S	AXN430330S	30 pcs.	300 pcs.	AXN330238*	AXN430330*			
	60	AXN360238S	AXN460330S	15 pcs.	300 pcs.	AXN360238*	AXN460330*			
	16	AXN316038S	AXN416430S	50 pcs.	300 pcs.	AXN316038*	AXN416430P			
	20	AXN320038S	AXN420430S	50 pcs.	300 pcs.	AXN320038*	AXN420430P			
	26	AXN326038S	AXN426430S	30 pcs.	300 pcs.	AXN326038*	AXN426430P			
	30	AXN330038S	AXN430430S	30 pcs.	300 pcs.	AXN330038*	AXN430430P			
4.0 mm	40	AXN340038S	AXN440430S	25 pcs.	300 pcs.	AXN340038*	AXN440430P			
	50	AXN350038S	AXN450430S	20 pcs.	300 pcs.	AXN350038*	AXN450430P			
	60	AXN360038S	AXN460430S	15 pcs.	300 pcs.	AXN360038*	AXN460430P			
	80	AXN380038S	AXN480430S	12 pcs.	300 pcs.	AXN380038*	AXN480430P			
	100	AXN300038S	AXN400430S	12 pcs.	300 pcs.	-	—			
	16	AXN316238S	AXN416430S	50 pcs.	300 pcs.	AXN316238*	AXN416430P	i		
4.5 mm	26 30	AXN326238S AXN330238S	AXN426430S AXN430430S	30 pcs. 30 pcs.	300 pcs.	AXN326238* AXN330238*	AXN426430P AXN430430P	Note 1) "Asterisk" mark on end of part No.;		
	60	AXN360238S	AXN460430S	15 pcs.	300 pcs.	AXN360238*	AXN460430P			
	12	AXN312038S	AXN412530S	50 pcs.	300 pcs.	AXN312038*	AXN412530P			
	14	AXN314038S	AXN414530S	50 pcs.	300 pcs.	AXN314038*	AXN414530P		Note 1)	
	20	AXN320038S	AXN420530S	50 pcs.	300 pcs.	AXN320038*	AXN420530P		"Asterisk" mark on	
	24	AXN324038S	AXN424530S	30 pcs.	300 pcs.	AXN324038*	AXN424530P		end of part No.;	
	26	AXN326038S	AXN426530S	30 pcs.	300 pcs.	AXN326038*	AXN426530P	J: 1,500 pieces (recommendation)	J: 3,000 pieces (recommendation)	
5.0 mm	30	AXN330038S	AXN430530S	30 pcs.	300 pcs.	AXN330038*	AXN430530P	P: 1,000 pieces	P: 2,000 pieces	
	40	AXN340038S	AXN440530S	25 pcs.	300 pcs.	AXN340038*	AXN440530P			
	50	AXN350038S	AXN450530S	20 pcs.	300 pcs.	AXN350038*	AXN450530P			
	60	AXN360038S	AXN460530S	15 pcs.	300 pcs.	AXN360038*	AXN460530P			
	80	AXN380038S	AXN480530S	12 pcs.	300 pcs.	AXN380038*	AXN480530P			
	100	AXN300038S	AXN400530S	12 pcs.	300 pcs.					
	12 24	AXN312238S AXN324238S	AXN412530S	50 pcs.	300 pcs.	AXN312238* AXN324238*	AXN412530P AXN424530P			
5.5 mm	26	AXN324236S AXN326238S	AXN424530S AXN426530S	30 pcs.	300 pcs.	AXN326238*	AXN424530P AXN426530P	-		
5.5 11111	30	AXN330238S	AXN430530S	30 pcs.	300 pcs.	AXN330238*	AXN430530P			
	60	AXN360238S	AXN460530S	15 pcs.	300 pcs.	AXN360238*	AXN460530P			
	20	AXN320130S	AXN420330S	50 pcs.	300 pcs.	AXN320130P	AXN420330*			
	24	AXN324130S	AXN424330S	30 pcs.	300 pcs.	AXN324130P	AXN424330*	1		
	26	AXN326130S	AXN426330S	30 pcs.	300 pcs.	AXN326130P	AXN426330*			
	30	AXN330130S	AXN430330S	30 pcs.	300 pcs.	AXN330130P	AXN430330*			
6.0 mm	40	AXN340130S	AXN440330S	25 pcs.	300 pcs.	AXN340130P	AXN440330*			
0.0 111111	50	AXN350130S	AXN450330S	20 pcs.	300 pcs.	AXN350130P	AXN450330*			
	60	AXN360130S	AXN460330S	15 pcs.	300 pcs.	AXN360130P	AXN460330*			
	64	AXN364130S	AXN464330S	15 pcs.	300 pcs.	AXN364130P	AXN464330*			
	80	AXN380130S	AXN480330S	12 pcs.	300 pcs.	AXN380130P	AXN480330*	-		
	100	AXN300130S	AXN400330S	12 pcs.	300 pcs.	— AVN220120B	AVN420420D	-		
	20	AXN320130S	AXN420430S	50 pcs.	300 pcs.	AXN320130P	AXN420430P AXN422430P	-		
	22 26	AXN322130S AXN326130S	AXN422430S AXN426430S	30 pcs. 30 pcs.	300 pcs.	AXN322130P AXN326130P	AXN422430P AXN426430P	-		
	30	AXN326130S AXN330130S	AXN430430S	30 pcs.	300 pcs.	AXN330130P	AXN430430P	1		
7.0 mm	40	AXN340130S	AXN440430S	25 pcs.	300 pcs.	AXN340130P	AXN440430P	1		
	50	AXN350130S	AXN450430S	20 pcs.	300 pcs.	AXN350130P	AXN450430P	1		
	60	AXN360130S	AXN460430S	15 pcs.	300 pcs.	AXN360130P	AXN460430P	1		
	80	AXN380130S	AXN480430S	12 pcs.	300 pcs.	AXN380130P	AXN480430P	1		
	100	AXN300130S	AXN400430S	12 pcs.	300 pcs.			1		

	No. of	Stick package					Embossed tape package				
Mated		Part	: No.	Packing	quantity	Part	t No.	Packing	quantity		
height	contacts	Socket	Header	Stick	Outer carton	Socket	Header	Inner carton (1 reel)	Outer carton		
	20	AXN320130S	AXN420530S	50 pcs.	300 pcs.	AXN320130P	AXN420530P				
	22	AXN322130S	AXN422530S	30 pcs.	300 pcs.	AXN322130P	AXN422530P				
	24	AXN324130S	AXN424530S	30 pcs.	300 pcs.	AXN324130P	AXN424530P				
	26	AXN326130S	AXN426530S	30 pcs.	300 pcs.	AXN326130P	AXN426530P				
	30	AXN330130S	AXN430530S	30 pcs.	300 pcs.	AXN330130P	AXN430530P	1 000 200	2,000,500		
8.0 mm	34	AXN334130S	AXN434530S	30 pcs.	300 pcs.	AXN334130P	AXN434530P	1,000 pcs.	2,000 pcs.		
	40	AXN340130S	AXN440530S	25 pcs.	300 pcs.	AXN340130P	AXN440530P				
	50	AXN350130S	AXN450530S	20 pcs.	300 pcs.	AXN350130P	AXN450530P				
	60	AXN360130S	AXN460530S	15 pcs.	300 pcs.	AXN360130P	AXN460530P				
	80	AXN380130S	AXN480530S	12 pcs.	300 pcs.	AXN380130P	AXN480530P				
	100	AXN300130S	AXN400530S	12 pcs.	300 pcs.	_	_	_	_		
	30	AXN1300115S (Socket, Header)		30 pcs.	300 pcs.	AXN1300115P (Socket, Header)		350 pcs.	700 pcs.		
	40	AXN1400115S (Socket, Header)		25 pcs.	300 pcs.	AXN1400115P (Socket, Header)		350 pcs.	700 pcs.		
11.5 mm	50	AXN1500115S (Socket, Header)		20 pcs.	300 pcs.	AXN1500115P (Socket, Header)		350 pcs.	700 pcs.		
	80	AXN1800115S (Socket, Header)		12 pcs.	300 pcs.	AXN1800115P (Socket, Header)		250 pcs.	500 pcs.		
	100	AXN1000115S (Socket, Header)		12 pcs.	300 pcs.	_		_	_		
	20	AXN320130S	AXN420030S	50 pcs.	300 pcs.	AXN320130P	AXN420040P Note 6)				
	30	AXN330130S	AXN430030S	30 pcs.	300 pcs.	AXN330130P	AXN430040P Note 6)				
12.0	40	AXN340130S	AXN440030S	25 pcs.	300 pcs.	AXN340130P	AXN440040P Note 6)	Socket: 1,000 pcs.	Socket: 2,000 pcs.		
13.0 mm	50	AXN350130S	AXN450030S	20 pcs.	300 pcs.	AXN350130P	AXN450040P Note 6)	Header: 500 pcs.	Header: 1,000 pcs.		
	60	AXN360130S	AXN460030S	15 pcs.	300 pcs.	AXN360130P	AXN460040P Note 6)				
	80	AXN380130S	AXN480030S	12 pcs.	300 pcs.	AXN380130P	AXN480040P Note 6)				
14.0 mm	20	AXN320130S	AXN420130S	50 pcs.	300 pcs.	AXN320130P	AXN420130P	Socket: 1,000 pcs. Header: 400 pcs.	Socket: 2,000 pcs. Header: 800 pcs.		

Notes) 1. Please add following suffix at * marked positions.

J: Inner carton (1 reel) 1,500 pcs. (Outer carton: 3,000 pcs.)
P: Inner carton (1 reel) 1,000 pcs. (Outer carton: 2,000 pcs.)
In order to reduce the amount of packaging materials used to help protect the global environment, it is recommended that each packaging box contains 1,500 units with the "J" product number suffix.

As for the part No. P is suffixed, only 1,000 pcs. reel is available.

- 2. Regarding ordering units: During production: Please make orders in 1-reel units.
 - Samples for mounting confirmation: Available in units of 50 pieces. Please consult us. (See "Regarding sample orders to confirm proper mounting" on page 170.) Samples: Small lot orders are possible. Change the suffix "J" to the suffix "P."
- 3. Connectors with suction tape are also available except for 16 contacts type. For this type of connector, insert the letter "C" between the 6th and 7th column of the ordering number.
- Example: For a 20-contact socket with 3mm mated height (embossed tape package): AXN320C038P
- 4. The standard type comes with positioning bosses. Connectors without positioning bosses are available for on-demand production (3,000 pcs./lot or more). Please
- 5. Since the embossed tape width of 100-contact connectors packaged with embossed tape exceeds the JIS standard, please consult us.
- 6. Headers that have 13.0 mm mating height and embossed tape packaging do not come with positioning bosses.

 The depth of the embossed tape for headers with 13.0 mm and 14.0 mm mating heights is non-JIS compliant. Please test with your mounter before using.

SPECIFICATIONS

1. Characteristics

		Specifi		
Item		3mm, 3.5mm, 4mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm, 7.0mm, 8.0mm, 13.0mm, 14.0mm type	11.5mm type	Conditions
	Rated current	0.	5A	
	Rated voltage	60V A	AC/DC	
Electrical	Breakdown voltage	250V AC f	or 1 minute	Detection current: 1mA
characteristics	Insulation resistance	Min. 1,	000ΜΩ	Using 500V DC megger
	Contact resistance	Max. 60mΩ	Max. 50mΩ	Based on the contact resistance measurement method specified by JIS C 5402.
	Composite insertion force	Max. 43.1N {4.40kgf} (30 contacts)	Max. 0.785N {80gf} × no. of contacts (initial)	
Mechanical	Composite removal force	Min. 6.37N {0.65kgf} (30 contacts)	Min. 0.127N {13gf} × no. of contacts	
characteristics	Contact holding force	40 contacts or less: Min. 1.96N {200 gf} 50 contacts or more: Min. 0.981N {100 gf}	Min. 1.96N {200 gf}	Measuring the maximum force. As the contact is axially pull out.
	Ambient temperature	−55°C t	No freezing at low temperatures	
	Soldering heat resistance	Max. peak temperature of 245°C around the conr	Infrared reflow soldering	
		300°C withi	Soldering iron	
	Storage temperature	−55°C to +85°C (−40°C to +50°C (No freezing at low temperatures. No dew condensation.	
	Thermal shock resistance (header and socket mated)	5 cycles, insulation resistance min. 100MΩ, contact resistance max. 60mΩ	$\begin{array}{c} \text{5 cycles,} & \text{insulation resistance} \\ & \text{min. } 100\text{M}\Omega, \\ & \text{contact resistance} \\ & \text{max. } 50\text{m}\Omega \end{array}$	Sequence 1. –55_\(^9\)°C, 30 minutes 2. ~, Max. 5 minutes 3. 85^\(^9\)°C, 30 minutes 4. ~, Max. 5 minutes
Environmental characteristics	Humidity resistance (header and socket mated)	120 hours, insulation resistance min. 100MΩ, contact resistance max. 60mΩ	240 hours, insulation resistance min. 100M Ω , contact resistance max. 50m Ω	Bath temperature 40±2°C, humidity 90 to 95% R.H.
	Saltwater spray resistance (header and socket mated)	24 hours, insulation resistance min. 100 M Ω, contact resistance max. 60 m Ω	48 hours, insulation resistance min. 100 M Ω, contact resistance max. 50 m Ω	Bath temperature 35±2°C, saltwarter concentration 5±1%
	H ₂ S resistance (header and socket mated)	48 hours, contact resistance max. 60mΩ	96 hours, contact resistance max. 50mΩ	Bath temperature 40±2°C, gas concentration 3±1 ppm, humidity 75 to 80% R.H.
	SO ₂ resistance (header and socket mated)	48 hours, contact resistance max. 60mΩ	96 hours, contact resistance max. 50mΩ	Bath temperature 40±2°C, gas concentration 10±3 ppm, humidity 90 to 95% R.H.
Lifetime characteristics	Insertion and removal life	50 times	100 times	Repeated insertion and removal speed of max. 200 times/hours
Unit weight		Mated height 3mm 30 contacts; S 50 contacts; S	ocket: 0.26g Header: 0.26g ocket: 0.40g Header: 0.44g	

2. Material and surface treatment

Part name		.0mm, 4.5mm, 5.0mm, 5.5mm, 3.0mm, 13.0mm, 14.0mm type	11.5mm type			
	Material	Surface treatment	Material	Surface treatment		
Molded portion	Heat-resistant resin (UL94V-0)	_	LCP resin (UL94V-0)	_		
Bracket	_	_	Copper alloy	Cu plating on base, Sn plating on surface		
Contact	Copper alloy	Contact portion: Ni plating on base, Au plating on surface Terminal portion: Ni plating on base, Au plating on surface (Except for thick of terminal)	Copper alloy	Contact portion: Ni plating on base, Au plating on surface Terminal portion: Ni plating on base, Au plating on surface (Except for thick of terminal)		

DIMENSIONS (Unit: mm)

The CAD data of the products with a CAD Data mark can be downloaded from: http://panasonic-electric-works.net/ac

 Mated height 3.0mm, 4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm, 7.0mm, 8.0mm, 13.0mm, 14.0mm type 1) Socket

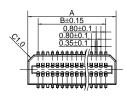
CAD Data



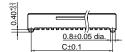
Dimension table (mm)

No. of contacts	А	В	С	D	Е	
12	7.40	4.00	6.30	6.30	4.00	
14	8.20	4.80	7.10	7.10	4.80	
16	9.00	5.60	7.90	7.90	5.60	
20	10.60	7.20	9.50	9.50	7.20	
22	11.40	8.00	10.30	10.30	8.00	0.1
24	12.20	8.80	11.10	11.10	8.80	0.1
26	13.00	9.60	11.90	11.90	9.60	
30	14.60	11.20	13.50	13.50	11.20	
34	16.20	12.80	15.10	15.10	12.80	
40	18.60	15.20	17.50	17.50	15.20	
50	23.40	19.20	21.50	21.50	19.20	
60	27.40	23.20	25.50	25.50	23.20	
64	29.00	24.80	27.10	27.10	24.80	0.15
80	35.40	31.20	33.50	33.50	31.20	
100	43.40	39.20	41.50	41.50	39.20	

Mated height	G
3.0mm, 4.0mm, 5.0mm common	2.2
3.5mm, 4.5mm, 5.5mm common	2.7
6.0mm, 7.0mm, 8.0mm, 13.0mm, 14.0mm common	5.2

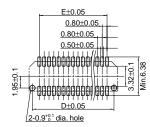






General tolerance: ±0.3

Recommended PC board pattern (TOP VIEW)



2) Header

CAD Data

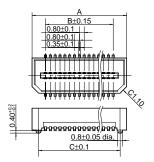


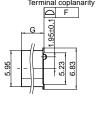
Dimension table (mm)

		<u> </u>				
No. of contacts	А	В	С	D	Е	F
12	8.45	4.00	6.30	6.30	4.00	
14	9.25	4.80	7.10	7.10	4.80	
16	10.05	5.60	7.90	7.90	5.60	
20	11.65	7.20	9.50	9.50	7.20	
22	12.45	8.00	10.30	10.30	8.00	0.1
24	13.25	8.80	11.10	11.10	8.80	0.1
26	14.05	9.60	11.90	11.90	9.60	
30	15.65	11.20	13.50	13.50	11.20	
34	34 17.25		15.10	15.10	12.80	
40	19.65	15.20	17.50	17.50	15.20	
50	25.85	19.20	21.50	21.50	19.20	
60	29.85	23.20	25.50	25.50	23.20	, , , ,
64	31.45	24.80	27.10	27.10	24.80	Note) 0.15
80	37.85	31.20	33.50	33.50	31.20	0.13
100	45.85	39.20	41.50	41.50	39.20	

Note) The 13 mm mated height (20 to 80 contacts) terminal flatness is 0.1 mm.

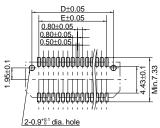
Mated height	G
3.0mm, 3.5mm, 6.0mm common	2.72
4.0mm, 4.5mm, 7.0mm common	3.72
5.0mm, 5.5mm, 8.0mm common	4.72
13.0mm	10.14
14.0mm	11.14





General tolerance: ±0.3

Recommended PC board pattern (TOP VIEW)



3) Socket and header are mated



Dimension table (mm)

А
8.45
9.25
10.05
11.65
12.45
13.25
14.05
15.65
17.25
19.65
25.85
29.85
31.45
37.85
45.85

Mated height	В
3.0mm	3
3.5mm	3.5
4.0mm	4
4.5mm	4.5
5.0mm	5
5.5mm	5.5
6.0mm	6
7.0mm	7
8.0mm	8
13.0mm	13
14.0mm	14

Note) Common for all mated heights.

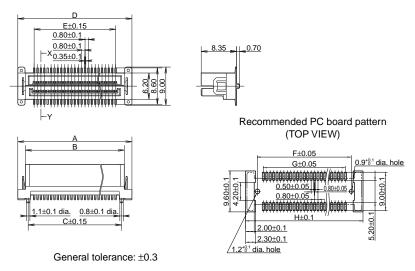




 Mated height 11.5mm type (Socket and Header) (30 contacts, 40 contacts, 50 contacts)

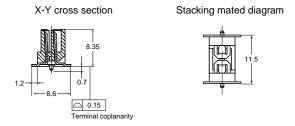
CAD Data





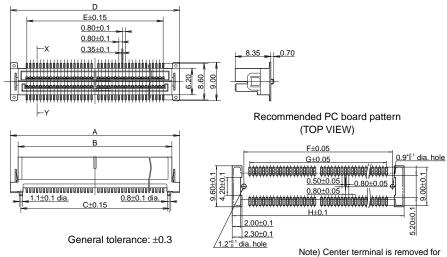
Dimension table (mm)

No. of contacts	А	В	С	D	Е	F	G	Н
30	18.9	15.3	14.0	18.9	11.2	14.0	11.2	19.5
40	22.9	19.3	18.0	22.9	15.2	18.0	15.2	23.5
50	26.9	23.3	22.0	26.9	19.2	22.0	19.2	27.5



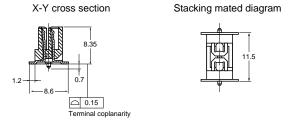
 Mated height 11.5mm type (Socket and Header) (80 contacts, 100 contacts)





Dimension table (mm)

No. of contacts	А	В	С	D	Е	F	G	Н	
80	39.7	36.1	34.8	39.7	32.0	34.8	32.0	40.3	
100	47.7	44.1	42.8	47.7	40.0	42.8	40.0	48.3	

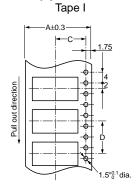


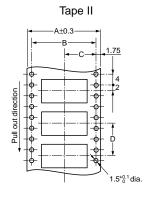
80 and 100 contact type

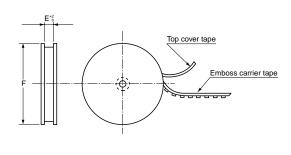
EMBOSSED TAPE DIMENSIONS (unit: mm, Common for respective contact type, socket and header)

• Tape dimensions (Conforming to JIS C 0806-1990. However, some tapes have mounting hole pitches that do not comply with the standard.)

• Paper reel dimensions (Conforming to JIS C 0806-1990)







Dimension table (mm)

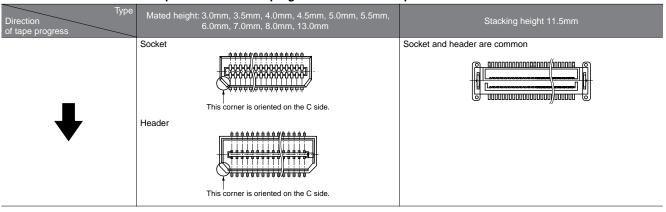
(1) Suffix: J (1 reel, 1,500 pieces embossed tape package)

Mated height	No. of contacts	Type of taping	А	В	С	D	Е	F	Quantity per reel
	12 to 32	Tape I	24.0	_	11.5	12.0	24.4	370 dia.	1,500 pcs.
Socket: 3.0mm, 3.5mm, 4.0mm,	34 to 40	Tape II	32.0	28.4	14.2	12.0	32.4	370 dia.	
4.5mm, 5.0mm, 5.5mm Header: 3.0mm, 3.5mm, 6.0mm	50 to 60	Tape II	44.0	40.4	20.2	12.0	44.4	370 dia.	
	80	Tape II	56.0	52.4	26.2	12.0	56.4	370 dia.	

(2) Suffix: P (1 reel, 1,000, 500, 350 and 250 pieces embossed tape package)

Mated height	No. of contacts	Type of taping	А	В	С	D	Е	F	Quantity per reel
Socket: 3.0mm, 3.5mm, 4.0mm,	12 to 32	Tape I	24.0	_	11.5	12.0	24.4	330 dia.	
4.5mm, 5.0mm, 5.5mm	34 to 40	Tape II	32.0	28.4	14.2	12.0	32.4	330 dia.	1,000 pcs.
ader: 3.0mm, 3.5mm, 4.0mm,	50 to 60	Tape II	44.0	40.4	20.2	12.0	44.4	330 dia.	
4.5mm, 6.0mm, 7.0mm	80	Tape II	56.0	52.4	26.2	12.0	56.4	330 dia.	
	16 to 32	Tape I	24.0	_	11.5	12.0	24.4	370 dia.	1,000 pcs.
Socket: 6.0mm, 7.0mm, 8.0mm, 13.0mm, 14.0mm	34 to 40	Tape II	32.0	28.4	14.2	12.0	32.4	370 dia.	
Header: 5.0mm, 5.5mm, 8.0mm	50 to 60	Tape II	44.0	40.4	20.2	12.0	44.4	370 dia.	
, , , , , , , , , , , , , , , , , , , ,	80	Tape II	56.0	52.4	26.2	12.0	56.4	370 dia.	
	30 to 40	Tape II	32.0	28.4	14.2	24.0	32.4	370 dia.	350 pcs.
11.5mm	50	Tape II	44.0	40.4	20.2	24.0	44.4	370 dia.	350 pcs.
	80	Tape II	56.0	52.4	26.2	24.0	56.4	370 dia.	250 pcs.
	20	Tape I	24.0	_	11.5	16.0	24.4	370 dia.	500 pcs.
	30	Tape I	24.0	_	11.5	16.0	24.4	370 dia.	500 pcs.
Header: 13.0mm	40	Tape II	32.0	28.4	14.2	16.0	32.4	370 dia.	500 pcs.
rieader. 13.0mm	50	Tape II	44.0	40.4	20.2	16.0	44.4	370 dia.	500 pcs.
	60	Tape II	44.0	40.4	20.2	16.0	44.4	370 dia.	500 pcs.
	80	Tape II	56.0	52.4	26.2	16.0	56.4	370 dia.	500 pcs.
Header: 14.0mm	20	Tape I	24.0	_	11.5	16.0	24.4	370 dia.	400 pcs.

Connector orientation with respect to direction of progress of embossed tape



NOTES

Note that types having a mated height of 11.5mm cannot be mated with products having other mated heights even though the shape of their socket headers is the same as the rated shape (position of the positioning boss and arrangement of mounting pads) is different.

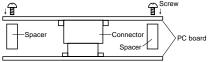
For other details, please verify with the product specification sheets.

NOTES FOR USING SMD TYPE CONNECTORS (Common)

Regarding the design of devices and PC board patterns

- 1) When connecting several connectors together by stacking, make sure to maintain proper accuracy in the design of structure and mounting equipment so that the connectors are not subjected to twisting and torsional forces.
- 2) With mounting equipment, there may be up to a ± 0.2 to 0.3-mm error in positioning. Be sure to design PC boards and patterns while taking into consideration the performance and abilities of the required equipment.
- 3) Some connectors have tabs embossed on the body to aid in positioning. When using these connectors, make sure that the PC board is designed with positioning holes to match these tabs.
- 4) To ensure the required mechanical strength when soldering the connector terminals, make sure the PC board meets recommended PC board pattern design dimensions given.
- 5) For all connectors of the narrow-pitch series, to prevent the PC board from coming off during vibrations or impacts, and to prevent loads from falling directly on the soldered portions, be sure to design some means to fix the PC board in place.

Example) Secure in place with screws



When connecting PC boards, take appropriate measures to prevent the connector from coming off.

- 6) Notes when using a FPC.
- (1) When the connector is soldered to an FPC board, during its insertion and removal procedures, forces may be applied to the terminals and cause the soldering to come off. It is recommended to use a reinforcement board on the backside of the FPC board to which the connector is being connected. Please make the reinforcement board dimensions bigger than the outer limits of the recommended PC board pattern (should be approximately 1 mm greater than the outer limit). Material should be glass epoxy or
- polyimide, and the thickness should be between 0.2 and 0.3 mm.
- (2) Collisions, impacts, or turning of FPC boards, may apply forces on the

connector and cause it to come loose. Therefore, make to design retaining plates or screws that will fix the connector in place.

7) The narrow-pitch connector series is designed to be compact and thin. Although ease of handling has been taken into account, take care when mating the connectors, as displacement or angled mating could damage or deform the connector.

Regarding the selection of the connector placement machine and the mounting procedures

- Select the placement machine taking into consideration the connector height, required positioning accuracy, and packaging conditions.
- 2) Be aware that if the catching force of the placement machine is too great, it may deform the shape of the connector body or connector terminals.
- 3) Be aware that during mounting, external forces may be applied to the connector contact surfaces and terminals and cause deformations.
- 4) Depending on the size of the connector being used, self alignment may not be possible. In such cases, be sure to carefully position the terminal with the PC board pattern.
- 5) The positioning bosses give an approximate alignment for positioning on the PC board. For accurate positioning of the connector when mounting it to the PC board, we recommend using an automatic positioning machine.

NOTES FOR USING SMD TYPE CONNECTORS (Common)

Regarding soldering

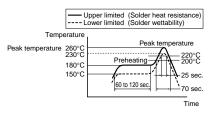
1. Reflow soldering

- 1) Measure the recommended profile temperature for reflow soldering by placing a sensor on the PC board near the connector surface or terminals. (The setting for the sensor will differ depending on the sensor used, so be sure to carefully read the instructions that comes with it.)
- 2) As for cream solder printing, screen printing is recommended.
- 3) See the specifications and drawings for the product in question for the metal mask pattern diagrams.
- 4) When mounting on both sides of the PC board and the connector is mounting on the underside, use adhesives or other means to ensure the connector is properly fixed to the PC board. (Double reflow soldering on the same side is possible.)
- 5) N₂ reflow, conducting reflow soldering in a nitrogen atmosphere, increases the solder flow too greatly, enabling wicking to occur. Make sure that the solder feed rate and temperature profile are appropriate.

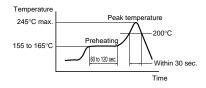
Soldering conditions

Please use the reflow temperature profile conditions recommended below for reflow soldering. Please contact us before using a temperature profile other than that described below (e.g. lead-free solder).

 Narrow-pitch connectors (except P5 floating and P8 type)



• Narrow-pitch connector (P5 floating, P8)



For products other than the ones above, please refer to the latest product specifications.

- 6) The temperatures are measured at the surface of the PC board near the connector terminals. (The setting for the sensor will differ depending on the sensor used, so be sure to carefully read the instructions that comes with it.)
- 7) The temperature profiles given in this catalog are values measured when using the connector on a resin-based PC board. When performed reflow soldering on a metal board (iron, aluminum, etc.) or a metal table to mount on a FPC, make sure there is no deformation or discoloration of the connector beforehand and then begin mounting.

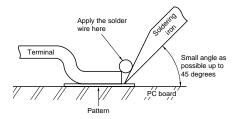
2. Hand soldering

1) Set the soldering iron so that the tip temperature is less than that given in the table below.

Table A

Product name	Soldering iron temperature						
SMD type connectors	300°C within 5 sec. 350°C within 3 sec.						

- 2) Do not allow flux to spread onto the connector leads or PC board. This may lead to flux rising up to the connector inside.
- 3) Touch the soldering iron to the foot pattern. After the foot pattern and connector terminal are heated, apply the solder wire so it melts at the end of the connector terminals.



- 4) Be aware that soldering while applying a load on the connector terminals may cause improper operation of the connector.
- 5) Thoroughly clean the soldering iron.
 6) Flux from the solder wire may get on the contact surfaces during soldering operations. After soldering, carefully check the contact surfaces and clean off

any solder before use.

- 7) For soldering of prototype devices during product development, you can perform soldering at the necessary locations by heating with a hot-air gun by applying cream solder to the foot pattern beforehand. However, at this time, make sure that the air pressure does not move connectors by carefully holding them down with tweezers or other similar tool. Also, be careful not to go too close to the connectors and melt any of the molded components.
- 8) When soldering the shell terminals of, for example, I/O connectors, avoid applying an excessive amount of solder, or it may flow into the shell.

Example:

Inflidge Industrial, Ltd.
Super Air Heater
Digital temperature controller
Air heater with internal temperature
sensor

3. Solder reworking

- 1) Finish reworking in one operation.
- 2) For reworking of the solder bridge, use a soldering iron with a flat tip. To prevent flux from climbing up to the contact surfaces, do not add more flux.
- 3) Keep the soldering iron tip temperature below the temperature given in Table A.
- 4) When soldering the shell terminals of, for example, I/O connectors, avoid applying an excessive amount of solder, or it may flow into the shell.

NOTES FOR USING SMD TYPE CONNECTORS (Common)

Handling Single Components

- 1) Make sure not to drop or allow parts to fall from work bench
- 2) Excessive force applied to the terminals could cause them to warp, come out, or weaken the adhesive strength of the solder. Handle with care.
- 3) Repeated bending of the terminals may break them.
- Do not use alcohol for cleaning. Doing so may whiten the surface of molded parts.

Cleaning flux from PC board

- 1) To increase the cleanliness of the cleaning fluid and cleaning operations, prepare equipment for a cleaning process that begins with boil cleaning, ultrasonic cleaning, and then to vapor cleaning.
- 2) Carefully oversee the cleanliness of the cleaning fluids to make sure that the contact surfaces do not become dirty from the cleaning fluid itself.
- 3) Since some powerful cleaning may dissolve molded components of the connector and wipe off printed letters, we recommend aqua pura electronic parts cleaners. Consult us if you wish other types of cleaning fluids.
- 4) Please note that the surfaces of molded parts may whiten when cleaned with alcohol.

Handling the PC board

 Handling the PC board after mounting the connector

When cutting or bending the PC board after mounting the connector, be careful that the soldered sections are subjected to excessive forces.



Storage of connectors

- 1) To prevent trouble from voids or air pockets by heat of reflow soldering, avoid storing the connectors in areas of high humidity. When storing the connectors for more than six months, be sure to store them in a storage area where the humidity is properly controlled.
- 2) Depending on the connector type, the color of the connector may vary from connector to connector if produced at

different times, and some connectors more even change color slightly if subjected to ultraviolet rays during storage. This is normal and will not affect the operation of the connector.

- 3) When storing the connectors with the PC boards assembled and components alreeady set, be careful not to stack them up so the connectors are subjected to excessive forces.
- 4) Avoid storing the connectors in locations with excessive dust. The dust may accumulate and cause improper connections at the contact surfaces.

Other Notes

- 1) These products are made for the design of compact and lightweight devices and therefore the thickness of the molded components has been made very thin. Therefore, be careful during insertion and removal operations for excessive forces applied may damage the products.
- Dropping of the products or rugged mishandling may bend or damage the terminals and even hinder proper reflow soldering.
- 3) Before soldering, try not to insert or remove the connector more than absolutely necessary.
- 4) When coating the PC board after soldering the connector to prevent the deterioration of insulation, perform the coating in such a way so that the coating does not get on the connector.
- There may be variations in the colors of products from different production lots. This is normal.
- 6) The connectors are not meant to be

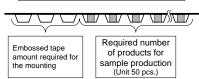
used for switching.

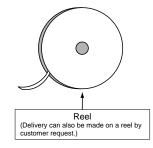
7) Be sure not to allow external pressure to act on connectors when assembling PCBs or moving in block assemblies.

Regarding sample orders to confirm proper mounting

When ordering samples to confirm proper mounting with the placement machine, connectors are delivered in 50-piece units in the condition given right. Consult a sale representative for ordering sample units.

Condition when delivered from factory





For other details, please verify with the product specification sheets.