

## Printed board angle fitting type Conthrough series [XA series] (10pcs/pack)

- This is used for fitting printed boards at right angle.
- Maximum 40P connected for a pitch of 1.27 mm / Maximum 20P connected for a pitch of 2.54 mm
- Material Pin part: Beryllium copper Resin part: LCP resin black (UL94V-0)
- Finish: Gold plating over nickel base
- Reflow can be used for this type.
- Rated current: 1A
- Rated voltage: 125V AC, DC
- Contact resistance: 30mΩ or less
- Insulation resistance: 500MΩ or over
- Withstand voltage: 1000V AC, DC per minute
- Printed board fitting hole:  $\phi$  0.4 to  $\phi$  0.5(Soldering side)
- Adaptive through hole for printed board (contact side):  $\phi$  0.8 to  $\phi$  0.9 for the TH finish diameter (Please make a hole of  $\phi$  0.85 as the main diameter.)
- Adaptive printed board thickness: 0.8t to 1.6t
- Operating temperature range:  $-40$  to  $+125^{\circ}\text{C}$
- Operating humidity range: 0 to 85%RH (Without dew condensation.)
- Frequency of use: 50 times or less (for the same through hole)
- Insertion / removal forces (per pin)

Through hole	Insertion forces	Removal forces
$\phi$ 0.8	200g or less	50g or over
$\phi$ 0.85	150g or less	30g or over
$\phi$ 0.9	100g or less	20g or over

Part number	P	Maximum number of poles
XA-1-2	1.27	40
XA-3-2	2.54	20

### How to order

XA-3-2-10P

Please fill in the desired number of poles.  
If the number of poles is not specified, we will deliver the maximum number of poles.

### Instructions for use

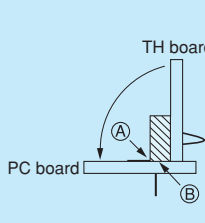
This cannot be used when the insertion / removal side is a copper through hole board. (Due to quick oxidization of copper)

### Instructions for soldering

- The pin on the soldering side of the PC board moves due to its structure and this disturbs the pitch.
- Please insert it by moving with tweezers or other adaptive tool during inserting it into the PC board.

### Instructions for use

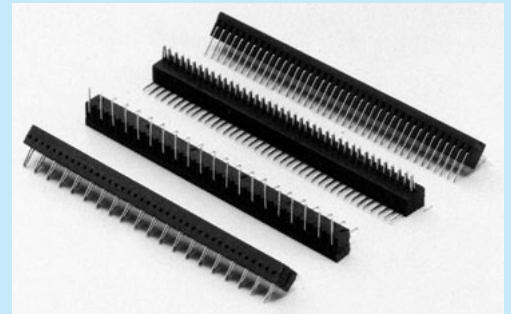
1. Please fit the fitting block on the both sides and tighten them with a screw.
2. Do not apply force in the direction of the arrow.  
(The pin may be broken or bent.)



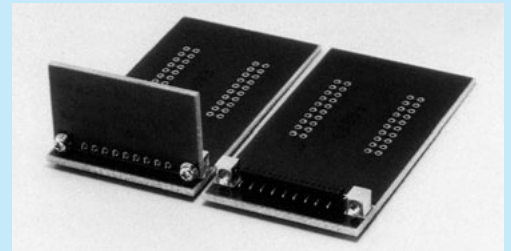
If the force is applied in the direction of the arrow, or if the TH board hole diameter is close to  $\phi$  0.8 with a large number of poles, significant forces are applied to the part (A) and the pin may be broken or bent. Please apply epoxy adhesive to several positions on the back side (part (B)) to fix to the PC board during mounting.

3. Please read the instructions 1 through 5 for using the Conthrough series prior to use.

4. When inserting into a small hole diameter (around  $\phi$  0.8), the spring may be hooked to the resin window and the return may become insufficient. In this case, please push to the direction of the arrow and return.

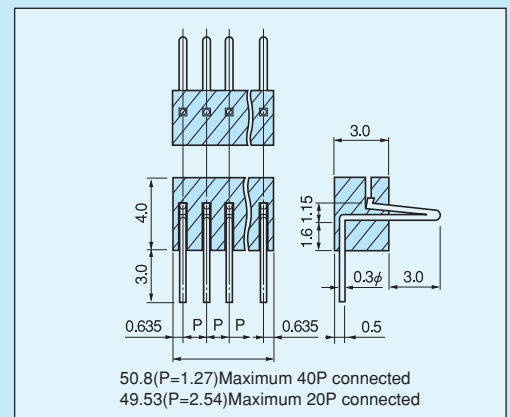


### Example of usage



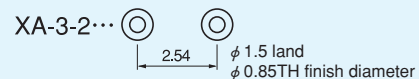
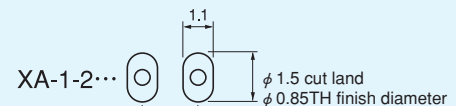
Please fix it by using the fitting block BA series.

### Dimension



### Recommended land diameter

- PC board on the contact side



- PC board on the soldering side

