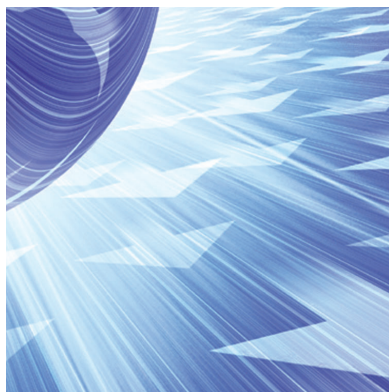


# CATALOG

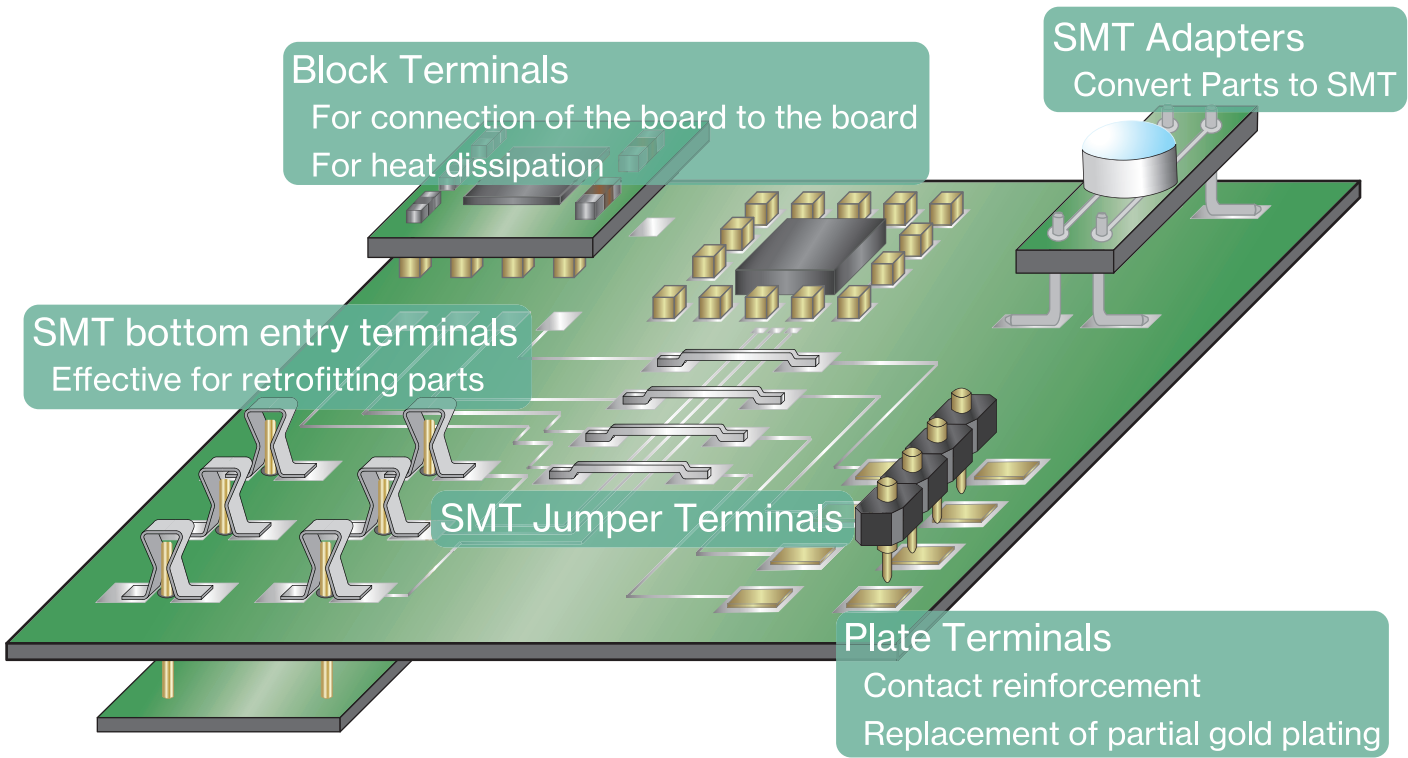


**Custom SMT Parts  
& Components**

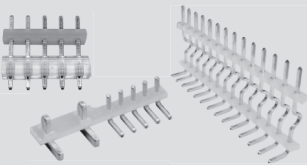
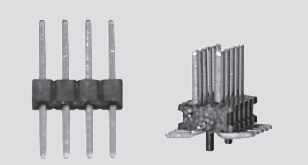
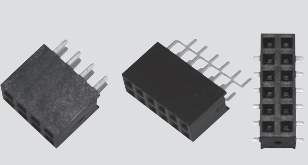
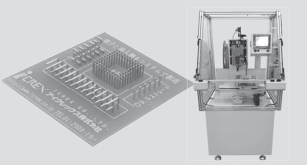
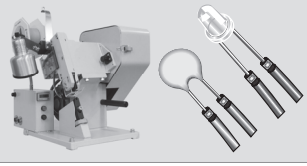
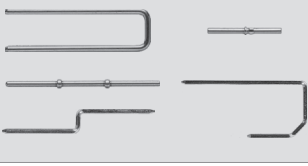
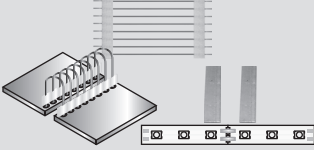
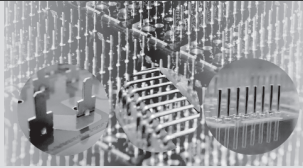
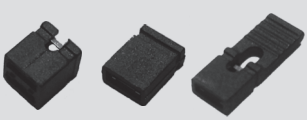

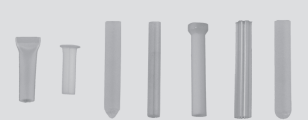





# Custom SMT Parts & Components



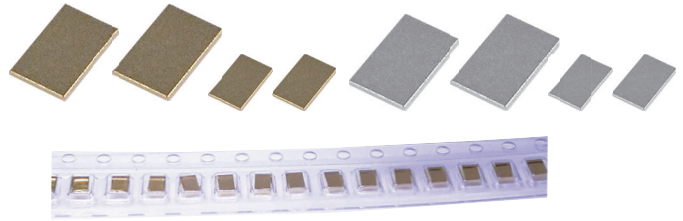
## Catalog list

<b>Full custom pin headers</b> 	<b>Semi-custom pin headers</b> 	<b>Female Headers</b> 	<b>Chain Terminal Insert Systems</b> 
<b>Crimping System</b> 	<b>Pin Terminals, Lead-Pin</b> 	<b>Flexible board connectors</b> 	<b>PCB with terminals</b> 
<b>Mini Jumpers</b> 	<b>Assembly Services</b> 	<b>Tube Caps</b> 	<b>Problem resolution case studies</b> 

# Plate terminals

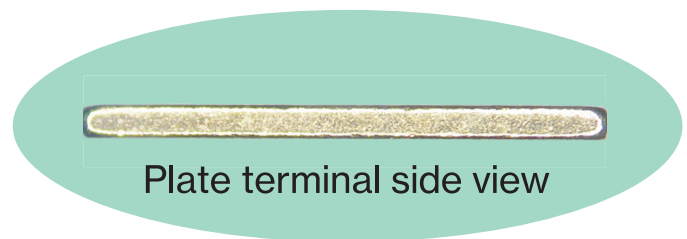
## Overview

- For strengthening substrate pads
- This terminal can be used as a substitute for partial plating, etc.

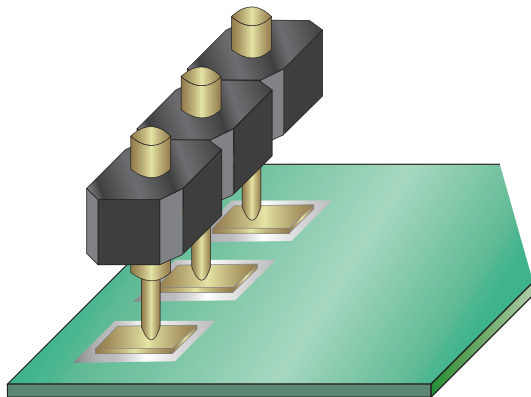


## Special features

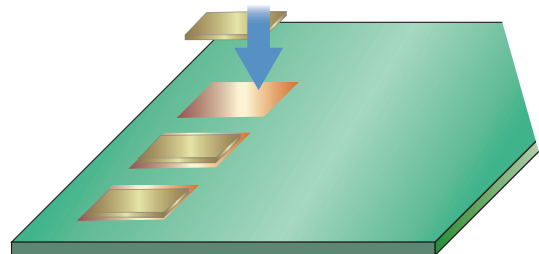
- **No burrs on front face**  
(whole circumference curved)
  - Do not damage the pad or pattern.
  - There is no floating due to burrs.
- **There is no front and back.**



## Applications

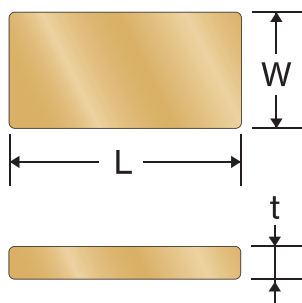


Contact reinforcement



Replacement of partial gold plating

## Specifications



Material : brass  
Surface treatment : Gold, Tin

Dimensions (Unit mm)		
W	L	t
1	2	0.3
2	3 ~ 4	0.3, 0.4
3	5 ~ 6	0.3, 0.4
4	6 ~ 8	0.3, 0.4, 0.5

Other dimensions, materials and surface treatments can be accommodated.

Please inquire separately if taping is required.

# Block terminals

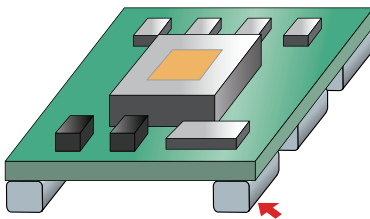
## Overview, special features

- Mechanical components for connection of board modules
  - For heat dissipation
- These pins can be used for example.

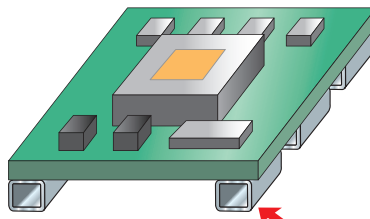


## Applications

### As an external connection terminal

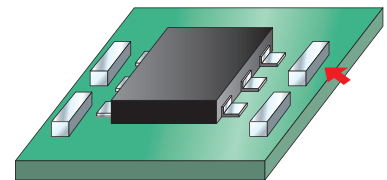


Solid type



Hollow type

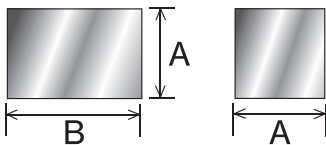
### For heat dissipation



Solid type

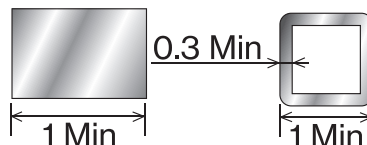
## Specifications

### • Solid type



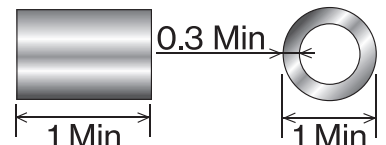
Material : brass, Copper  
 Surface treatment : Gold, Tin  
 Approximate dimensions :  
 $A = 0.3 \sim 2\text{mm}$   
 $B = A \times 1.6 \text{ or more (mm)}$

### • Hollow square type



Material : brass, Copper  
 Surface treatment : Gold, Tin

### • Hollow round type



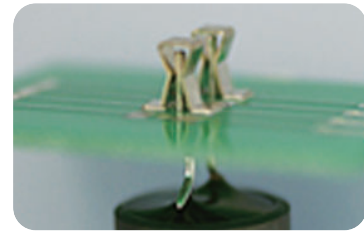
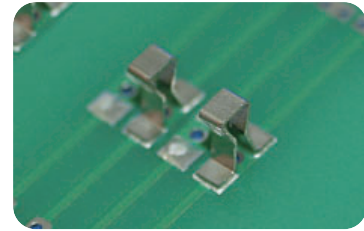
Material : brass, Copper  
 Surface treatment : Gold, Tin

Contact us separately for dimensions, materials, surface treatment, and taping specifications other than those shown.

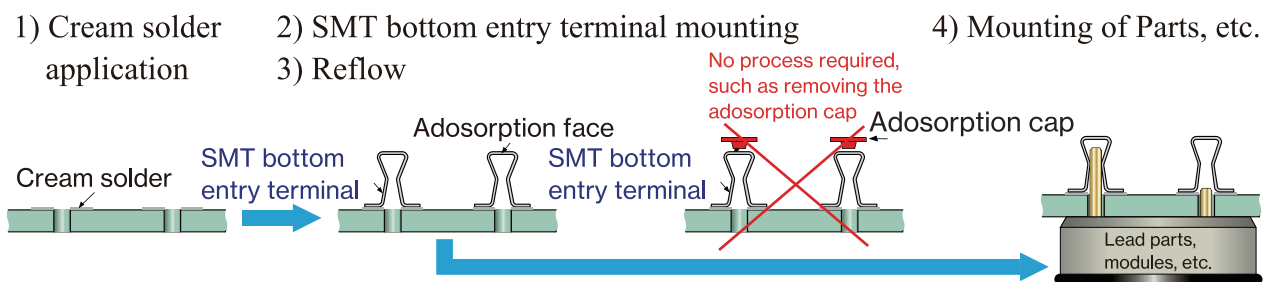
# Custom SMT bottom entry terminals

## Overview, special features

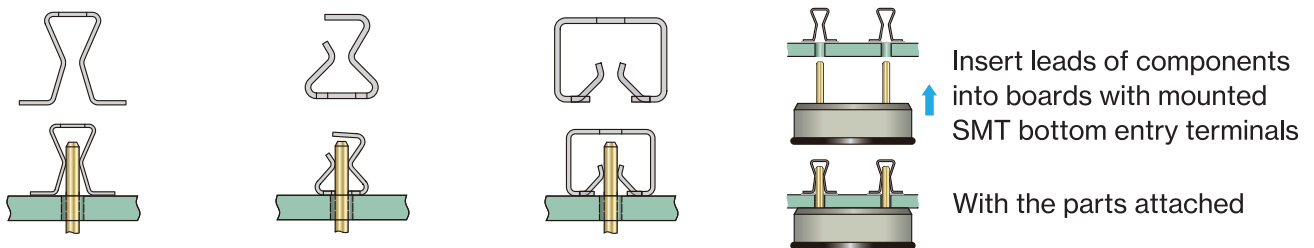
- Parts for attaching lead-type parts and board modules to through-hole boards and single-sided boards from the back side.
- Enables mounting of parts and modules from the back side of the board mounting surface.
- Automatic mounting is possible with a mounter.  
(For reel-wound type)
- Increased flexibility in component placement.
- This enables insertion and removal of components and modules to be mounted.
- It is not limited to through-hole boards, and can be mounted on single-sided boards.
- No secondary work such as adosorption cap peeling is required after reflow.



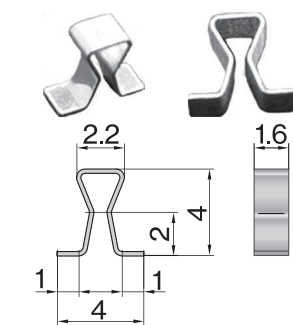
## Mounting process



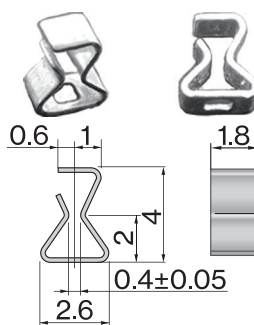
## Product examples



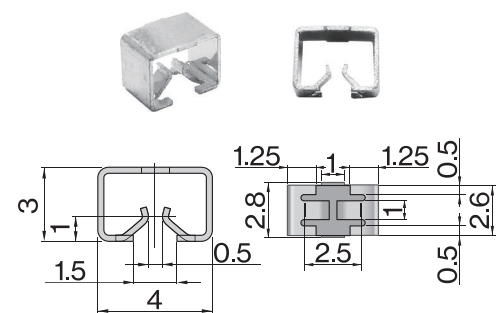
## Specifications



Material : phosphor bronze  
Surface treatment : Ni base,  
Sn plating



Material : phosphor bronze  
Surface treatment : Ni base,  
Sn plating



Material : phosphor bronze  
Surface treatment : Ni base,  
Sn plating

- All of our products are RoHS compliant.



# SMT Adapters

## Overview

Adapters that convert components not for SMT to SMT using lead terminals and base materials are custom-made.



## Special features

### ■ Base part is substrate material

- Be resistant to heat  
Compared with plastic base, it is resistant to solidification and deformation due to heat.
- Flexible base shape  
Space is saved with the base shape that matches the board module and case.

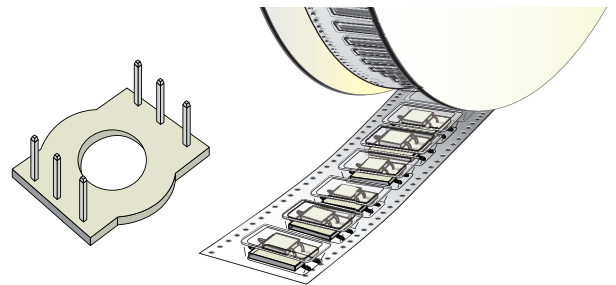
### ■ Embossed tapping supply

We can also supply with embossed carrier tape upon request.

### ■ Reduction of initial costs

Base fabrication does not require expensive initial costs, such as molding dies.

### ■ Compatible with circuit boards



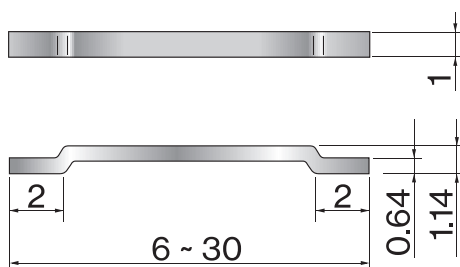
## Product examples

Components	+	SMT adapters	=	SMT components	Components	+	SMT adapters	=	SMT components
	+		=			+		=	
	+		=			+		=	
									two-tiered

# SMT Jumper Terminals

## Overview

Custom-made SMT jumper terminal.  
Reel packing is also available as an option.



Material : brass  
Surface treatment : Tin



Contact us for taping specifications.

## Flow of realization of our products

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Hearing	We accept requests and consultations. We will also ask about installation spaces, processes, and restrictions on usage environments.
Design	We propose a design that satisfies your requirements. (usually 1 to 2 weeks)
Estimate	Check the drawing and submit an estimate if there is no problem.
Production of the prototype	We will produce a prototype. (usually about three weeks to two months)
Verification	We will deliver a prototype. Evaluation is verified by the customer.
Product production	We accept production of products

