# TIP SHAPES

## How to use Shape BC/C and examples


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### *How to use Shape BC/C and examples*

This kind of type has a shape like a cone or column cut at a slant, which allows users to select the cut surface size depending on the workpiece.

It is used for drag soldering and pre-tinning of lead wires.

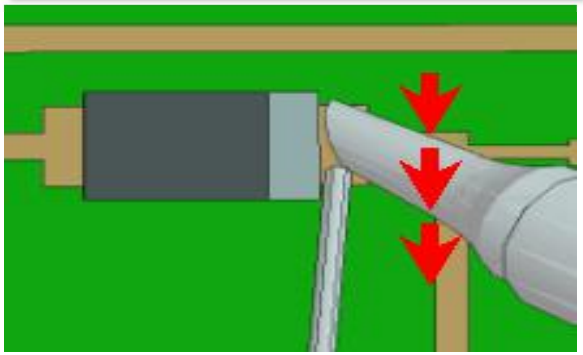
Type F, tinned surface only, is available for Shape BC/C. Try Type F when troubling with excessive solder amount or bridge to neighboring parts.

* Not suitable when heavy heat capacity is required.

## *Difference between BC/C and BCF/CF tip shape*

| | | Shape BC | Shape C |
|---|---|---|---|
| Difference | Shape | This type has a shape like a cone cut at a slant.  | This type has a like a column cut at a slant.  |
| | Heat capacity of tip | In Shape BC with its conical shape, the nearer to the base, the thicker the diameter. Therefore, although these types have the same diameter Φ1, Shape BC has more heat capacity. | |
| Commonality | How to select tip size | Please select the cut surface size depending on the workpiece. | |
| | Others | In case of a chip condenser, we recommend soldering it with Shape BC or C to form ideal solder fillet, which can be hardly formed with Shape B or D. | |

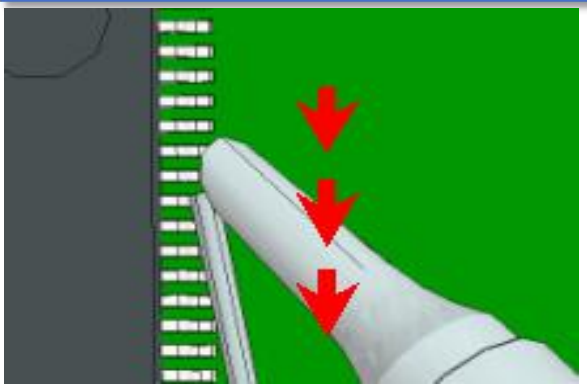
## Soldering Chips Parts

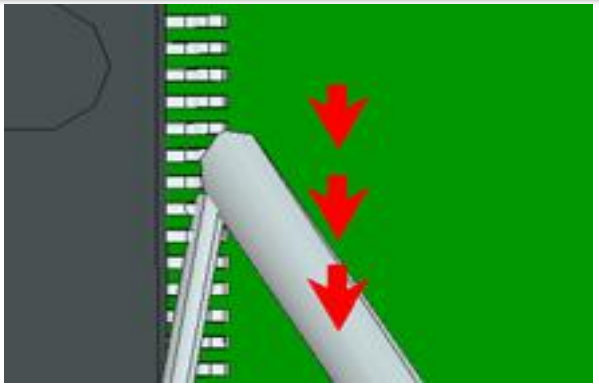


Put the cut surface to the land and drag the tip slowly while feeding solder.

Note: Some IC is specified by manufacturer not to be touched electrode by tip end.

## Drag Soldering

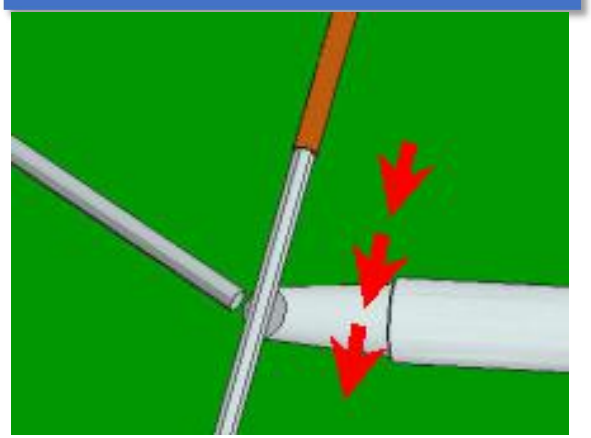




Put the cut surface to the leads and drag it slowly.

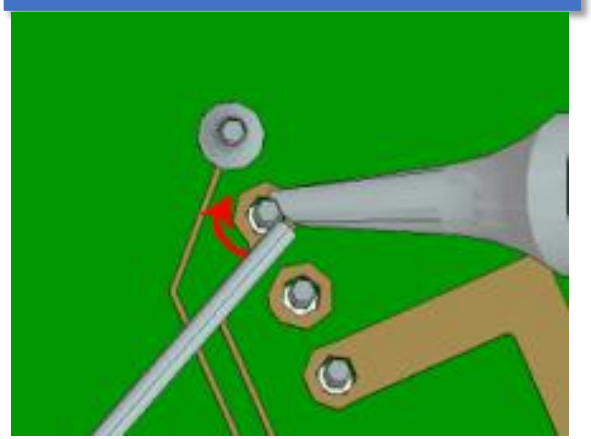
Note: Apply flux to leads and land pads before soldering. It prevents the troubles such as solder

## Pre-tinning Lead Wire



*Put the cut surface to the lead and drag the tip slowly while feeding solder.*

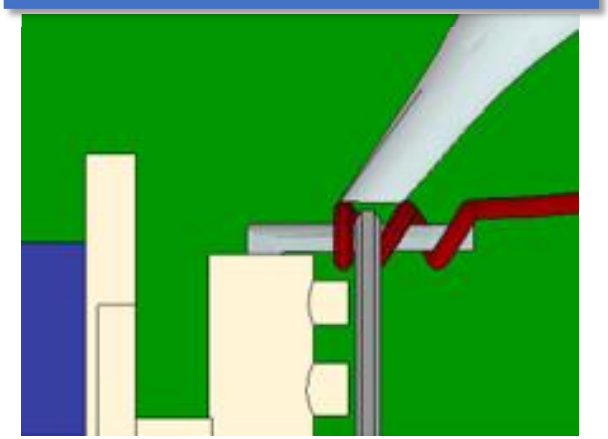
## Point Soldering



*1. Put the tip end to the land and the through-hole at one time to heat them.*

*2. Feed solder to form smooth fillet on the land pad.*

## Melting and Removing Coil



1. Put the cut surface to the coil and terminal at one time to heat them.

2. Feed solder.