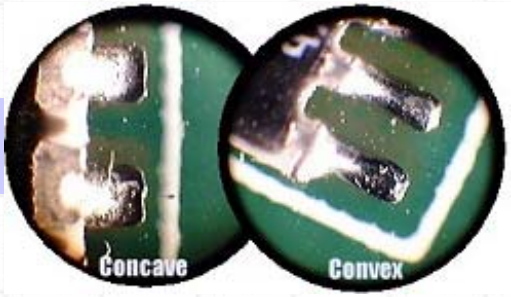


CONVEX VS. CONCAVE
Termination Design In Surface Mount Arrays

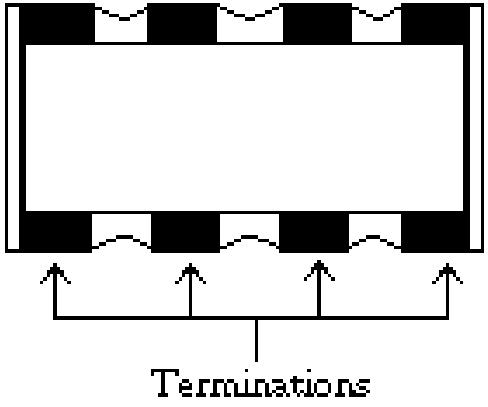
There Are A Number Of Advantages In Using The Convex Termination Style Rather Than The Concave Termination Style.

(The Following Presentation Describes Some Of These Advantages.)

CONVEX VS. CONCAVE

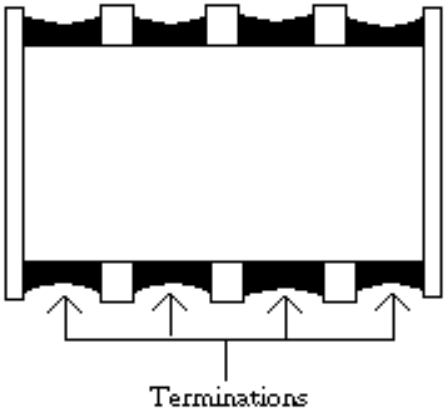
CONVEX

NRSNA



CONCAVE

NRSNO

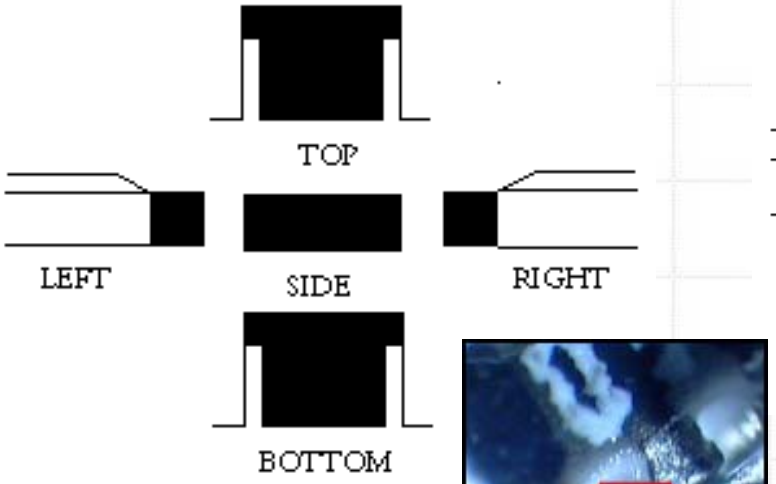


CONVEX VS. CONCAVE

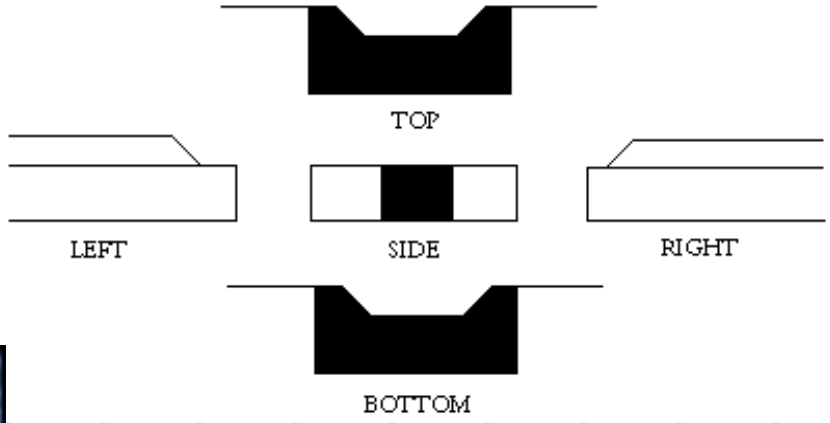
NIC Convex Components Have Five Sided Terminations For Improved Solderability.

Concave Parts Only Have Three Termination Surfaces.

CONVEX



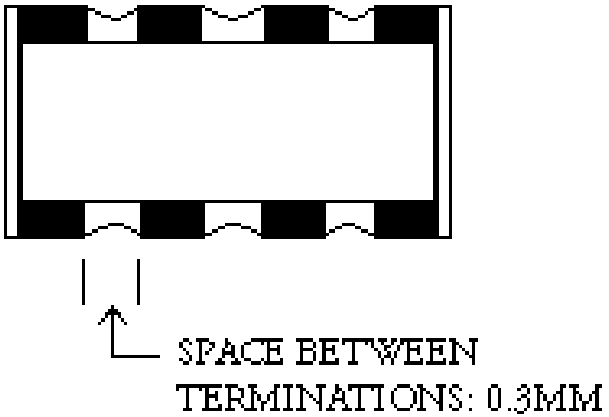
CONCAVE



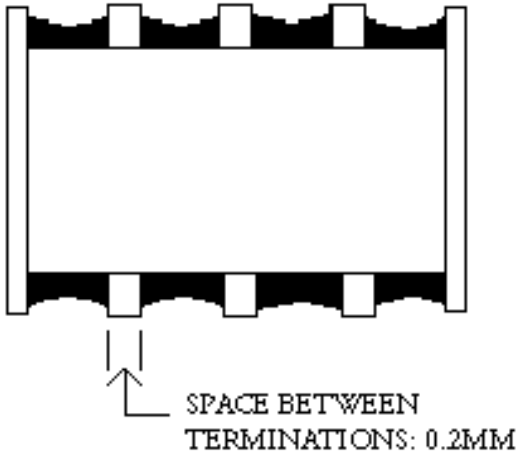
CONVEX VS. CONCAVE

The Distance (Gap) Between Terminations Are Larger On The Convex Type. The Larger Spacing Reduces The Possibility Of Short Circuits Due To Solder Bridging

CONVEX



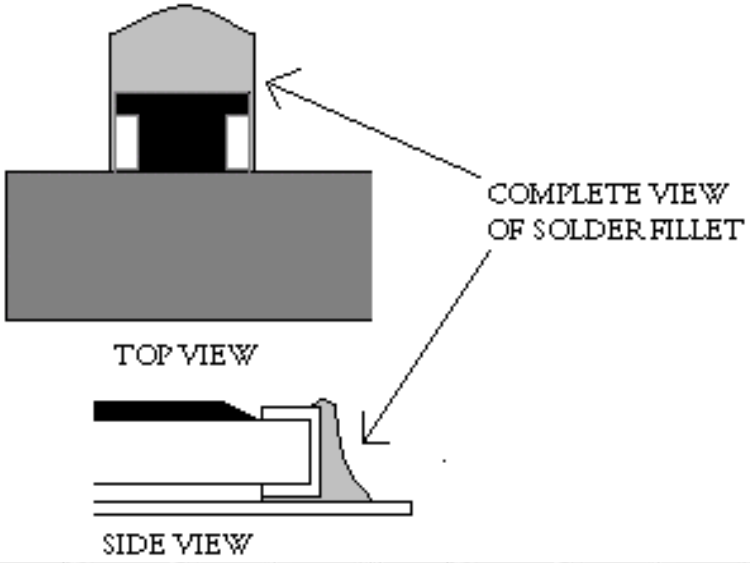
CONCAVE



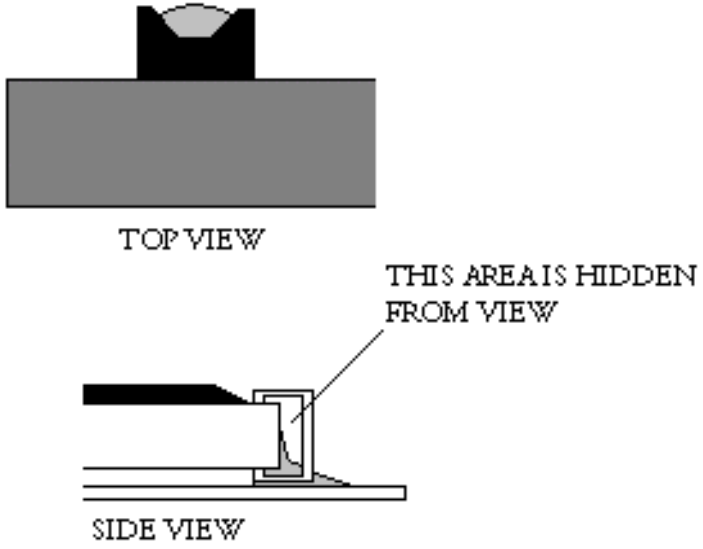
CONVEX VS. CONCAVE

Visual Inspection Of The Solder Fillets Is Enhanced When Using Convex Style Terminations.

CONVEX

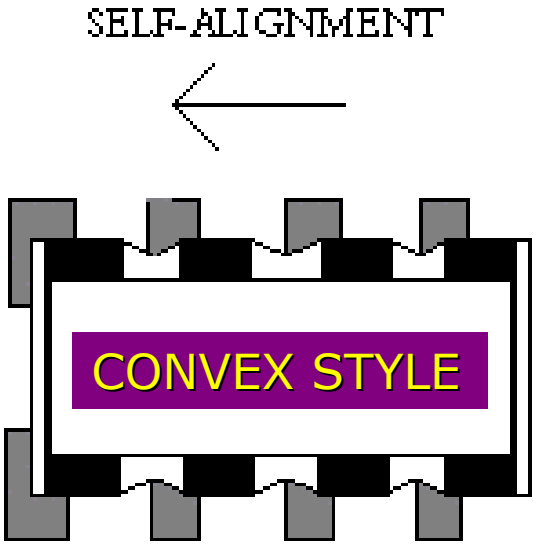


CONCAVE



CONVEX VS. CONCAVE

The Larger Terminations on the Convex Parts (Typically 0.3mm) Enhances Self-alignment of Skewed Components During Reflow Soldering.



CONVEX VS. CONCAVE

- **Convex Type Accounts For 70% Of The World Market**
- **Most Array Manufacturers Offer The Convex Type**
- **Convex Type Is Lower Cost As Compared To Concave**
- **Because Production Volumes Are Higher On The Convex Type Production Cost Are Lower. These Cost Savings Are Passed On To Our Customers.**
- **Fewer Solder Process Related Rejects Means A Lower Manufacturing Cost Product**

(A Comprehensive Engineering Kit Is Available Containing Convex Style Parts)