

# SURFBOARDS®



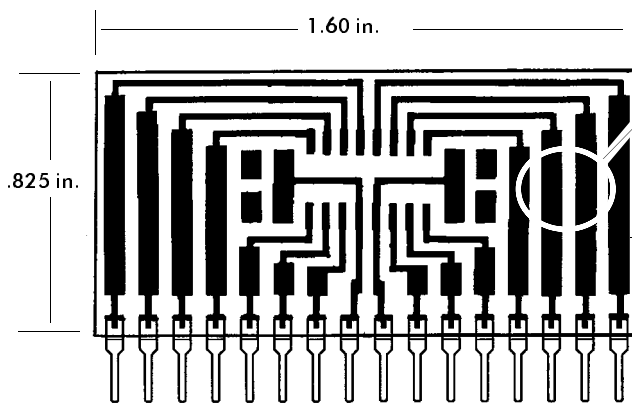
THE BREADBOARDING MEDIUM FOR SURFACE MOUNT™

## 9000 SERIES FOR I.C.s

IDS9164A 3-9-99

MODEL **9164**

ACCEPTS ONE 14 OR 16-PIN S.O.I.C.  
OR TWO 8-PIN SOICs  
DIRECT PIN OUT OR ADD ADDITIONAL COMPONENTS



SINGLE-IN-LINE (SIP) PINS  
ON .100 in. CENTERS

I.C. FOOTPRINT  
accepts one 14 or  
16-pin SOIC,  
or two 8-pin SOICs.



I.C. pins fan out to peripheral part mounting areas capable of accepting several surface mount devices

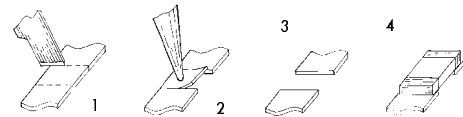


0805, 1206 STRADDLE

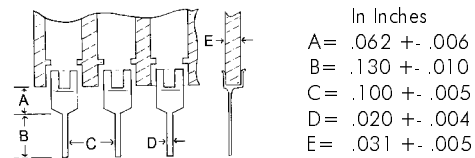
### FOIL MODIFICATIONS EXPAND VERSATILITY

Typical of many Surfboards are large pad areas which may be modified to create additional part mounting zones or expand layout or connection options.

- 1: Score foil with sharp razor to define new zone.
- 2: Apply heat with iron to delaminate foil section.
- 3: New mounting zone has been created.
- 4: Solder component to new mounting zone.



### PIN SPECIFICATIONS / TOLERANCES



Direct pin-out of each I.C. line is provided. If desired, 0805, and 1206 devices may be mounted across line. Use foil modifications ( see right ) to create new mounting zones or modify circuit layout. Completed prototype circuit on 16 pin SIP can be plugged into both sockets or solderless breadboards, or may be soldered into conventional breadboards.

**JUST ADD PARTS AND PLUG IN™**

### BOARD SPECIFICATIONS

**BOARD MATERIAL:** .031 ± .005 In. Thick G-10 FR-4 Glass Epoxy or equivalent.  
**CIRCUITS:** 1oz Copper with solder coated pads.  
**TOLERANCES:** Given in inches  
Board Size ± .020 / OAL ± .040  
Circuit pattern/position ± .005

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