

# SURFBOARDS®



THE BREADBOARDING MEDIUM FOR SURFACE MOUNT™

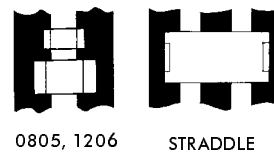
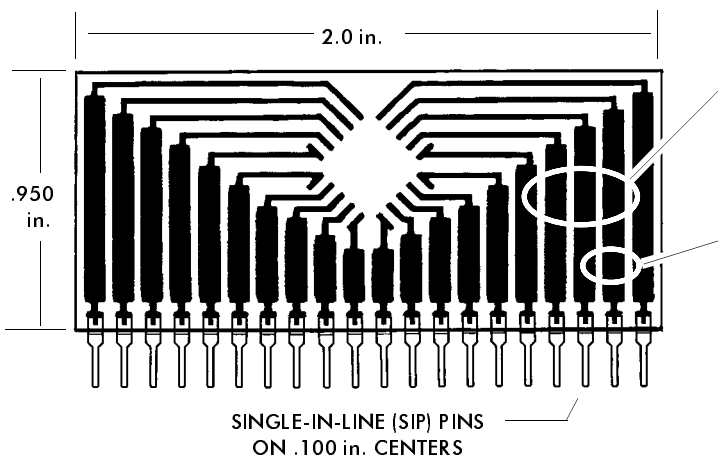
## 9000 SERIES FOR I.C.s

IDS9301A 3-9-99

MODEL **9301**

**ACCEPTS 20 PIN PLCC**

BUILD *PLUG-IN* TEST CIRCUITS AND MODULES

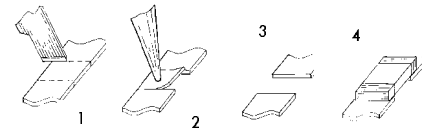


I.C. pins fan out to peripheral part mounting areas capable of accepting several surface mount devices

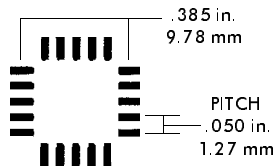
### FOIL MODIFICATIONS EXPAND VERSATILITY

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.

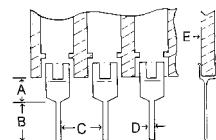


I.C. FOOTPRINT  
ACCEPTS INDUSTRY STANDARD  
**20 PIN PLCC**



The 9301 provides direct pin out for industry standard 20 pin PLCC devices. If desired 2 terminal surface mount packages 0805, and 1206 may be mounted across lines. Large foil area permit space for foil modifications to create new part zones ( see right ) or reconfigure board. Add jumpers as needed to complete circuit. Assembly can then be plugged into solderless breadboards and sockets, or may be soldered to conventional breadboards.

### PIN SPECIFICATIONS / TOLERANCES



	In Inches
A=	.062 ± .006
B=	.130 ± .010
C=	.100 ± .005
D=	.020 ± .004
E=	.031 ± .005

### BOARD SPECIFICATIONS

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

**JUST ADD PARTS AND PLUG IN (TM)**

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