SURFBOARDS®

CAPITAL ADVANCED TECHNOLOGIES INC.™

THE BREADBOARDING MEDIUM FOR ***SURFACE MOUNT*** *SM*

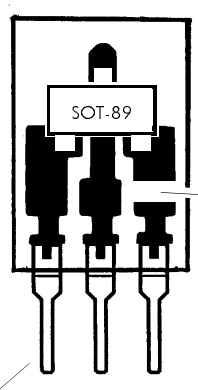
LDS6300A 3-9-99

6000 SERIES FOR DISCRETE COMPONENTS

MODELS 6303, 6306, AND 6309

FOR SOT-89 PACKAGES

This series has been specifically designed to accept various semiconductors in the SOT-89 package. The 6303 features the basic pattern for 1 device. The 6306 repeats it twice, and the 6309 three times. 0805 and 1206 devices can be mounted across the vertical circuit foils if desired. Foil modifications (see right) can create component mounting zones in-line with device pin out if desired.



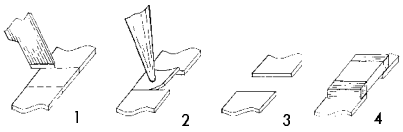
SIP PINS ON .100 in. Centers

MODEL	W (in.)	H (in.)	No. Pins	SOT-89 Capacity
6303	.300	.500	3	1
6306	.600	.500	6	2
6309	.900	.500	9	3

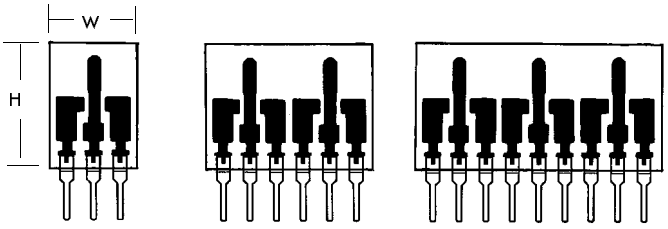
FOIL MODIFICATIONS EXPAND VERSATILITY

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

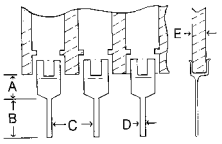


STANDARD MODELS
SEE TABLE



63030 6306 6309

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 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

CUSTOM VARIATIONS AVAILABLE ON A SPECIAL ORDER BASIS

JUST ADD PARTS AND PLUG-IN (TM)

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