SURFBOARDSTM THE BREADBOARDING MEDIUM FOR SURFACE MOUNTTM

APPLICATION NOTES

BULLETIN SM-EZ-101

QUICK TIP

SURFBOARDS often require

modifications to add a part or

to interupt circuit paths. Use

this simple and easy method

Use a sharp razor knife to score the

circuit foil.

for clean and fast results

X marks

location

where a

added

Heat the

section to be removed

with the tip of

Slight pressure and rubbing of

cause the unwanted circuit foil

to delaminate from the board

NOTE: You will find it faster to

pre-plan your board layout

and make any modifications

needed all at one time before

you begin soldering parts.

Inspect the

modification and

touch up with

knife if needed.

the area with the iron will

for easy removal

Place part at

new location

and solder.

soldering iron.

part will be

the

FOIL MODIFICATIONS

"SURFACE MOUNT MADE EASY WITH SURFBOARDS"

SURFBOARDS TM Made in the U.S.A. Potent Pending

> PARTS PRIMER

SIZE AND PIN OUT DATA A FEW COMMO

1206

RESISTORS

CAPACITORS

²apular package size. lesistors are 1/8 W.

T

-n 604

DIODES

A-. 100in. 8-. 138in.

MELF / DL-41

 \bigcirc

A-.160in. B-.200in

CATHODE Band or Indent

NOTE:

121

MINI-MELF ()

CATHODE

DL-35

DEVICE STYLES.

BUILD SURFACE MOUNT CIRCUITS WITH BASIC TOOLS YOU PROBABLY ALREADY OWN !

You can build hundreds of useful surface mount based circuits with nothing more than a fine point soldering iron, some small diameter solder, a razor knife, and SURFBOARDS.

And because most Surfboards come with pins on .100 centers, your circuits will be compatible with both conventional and solderless breadboards. Most Surfboard models have been designed with universal circuit patterns that will allow you to mount a wide range of device types and sizes, and with simple modifications you can even further expand the your component mounting options.





In the example above a transistor array is shown assembled on a standard Surfboard. The mounting zones for the bias resistors were created with the simple technique shown at left. The common buss for the transistor collectors is connected to pin 1 with a jumper.

With Surfboards you can enjoy increased packaging density and modularity for your circuit designs. You can create circuit modules from simple component aroupings to functional circuit elements. Surface mount is here to stay, let SURFBOARDS help you start utilizing this exciting technology today without the mess and hassle of making custom boards.

WHAT ARE YOU WAITING FOR ? While you certainly can use sophisticated and expensive equipment to build Surfboard circuits, you can also use the simple techniques shown here to build prototype and short run quantity circuits now, and upgrade your equipment and process techniques later if desired.

SEE OUR OTHER DATA SHEETS FOR MORE INFORMATION ABOUT THE AVAILABLE SURFBOARD MODELS, ADDITIONAL PROCESSING TECHNIQUES, AND CIRCUIT IDEAS



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