

# **SURFBOARDS™** SURFACE MOUNT UNIVERSAL BOARDS

THE BREADBOARDING MEDIUM FOR SURFACE MOUNT

## **APPLICATION NOTES**

BULLETIN AN-102

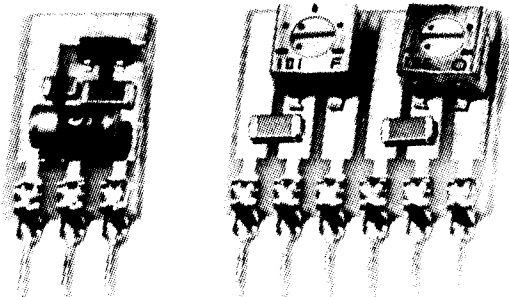
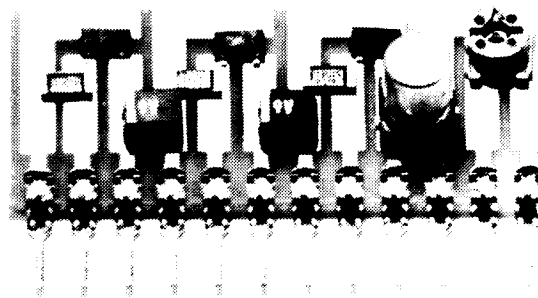
### **SURFACE MOUNT SUB-ASSEMBLIES USING 2 AND 3 TERMINAL DEVICES READILY BUILT ON SURFBOARDS**

MODELS 6103, 6106, 6109, 6112, and 6115 SUPPORT A WIDE RANGE OF THREE TERMINAL DEVICES. STANDARD .100 in. PIN CENTERS PROVIDE COMPATABILITY WITH BREADBOARDS AND SOCKETS

Now you can build a large number of surface mount circuit configurations with both two and three terminal devices. These models support a variety of industry standard three terminal device footprints. Transistor package SOT-23 and many potentiometer and trimcap footprints are readily accepted. As the illustrations demonstrate, a variety of component layouts are possible. Build TRANSISTOR ARRAYS, TRIMMER ARRAYS, FUNCTIONAL CIRCUIT ELEMENTS, and SUB-ASSEMBLIES with SURFACE MOUNT. Your completed circuit modules will be plug compatible with solderless breadboards, socket strips and conventional breadboards.

The design of these models is based on a grouping of three foil areas that form a universal mounting footprint for various sized two and three terminal components. Feedback resistors and other components can often be mounted on the peripheral foil areas. Depending on the model, the foil groupings may be repeated up to

five times for a total of 5 three terminal mounting zones and 15 pins. Great for prototyping and even building production quantity circuit modules, these models offer you the packaging advantages of surface mount with "off the shelf" availability.



**SEE THE 6000 SERIES DATA SHEET FOR FULL  
DETAILS ON THESE MODELS**

YOUR DISTRIBUTOR CAN SUPPLY SURFBOARDS FROM STOCK OR ORDER LARGE  
QUANTITY PACKAGES FOR PRODUCTION USE IF DESIRED.

## **CAPITAL ADVANCED TECHNOLOGIES, INC.**

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