

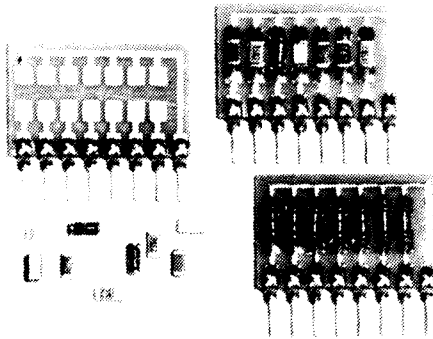
SURFBOARDS™ SURFACE MOUNT UNIVERSAL BOARDS

THE BREADBOARDING MEDIUM FOR SURFACE MOUNT

APPLICATION NOTES

BULLETIN AN-101

SURFACE MOUNT NETWORKS AND COMPONENT ARRAYS EASILY BUILT WITH SURFBOARD MODELS 6908, 6916



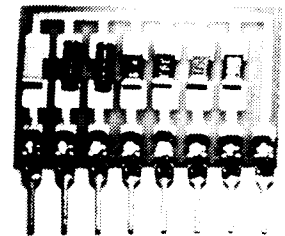
STANDARD .100 in. PIN CENTERS OFFERS COMPATABILITY WITH BREADBOARDS AND SOCKETS

SURFBOARD MODELS 6908 and 6916 Provide basic platforms for a wide range of surface mount applications. The 6908 has footprints for up to 7 components, while the 6916 can handle up to 14 devices. Surface mount chip components of standard 1206 size as well as mini-melf devices can be accepted by the generous oversized mounting pads. Both models feature a

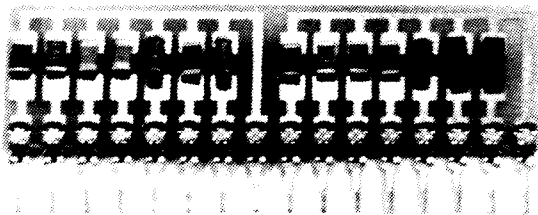
common buss configuration for the components. The 6916 has two groupings of seven devices with an independent buss for each grouping. Both models also feature S.I.P. (single-in-line) pins on standard .100 in. centers for compatibility with circuit boards, solderless breadboards, and sockets and socket strips including wire wrap types. Now you can have the size and packaging benefits of surface mount while maintaining connectivity with the .100in. standard. While these models are great for prototyping and building basic circuit elements in small quantity, many customers are building production quantity circuits with these SURFBOARD "off the shelf" models as the low cost readily adaptable platform. After assembly the completed circuit modules can be epoxy

coated or dipped for protection and design security if desired. A wide range of possible uses

include RESISTOR NETWORKS, CAPACITOR NETWORKS, R/C NETWORKS, DIODE ARRAYS, and general groupings of mixed components where the size reduction and modularity is beneficial.



CIRCUIT BUILT ON MODEL 6908



CIRCUIT ELEMENT WITH 14 COMPONENTS BUILT ON MODEL 6916

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 APPLICATIONS IF DESIRED.

CAPITAL ADVANCED TECHNOLOGIES, INC.

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