

# SURFBOARDS<sup>®</sup>

THE BREADBOARDING MEDIUM FOR **SURFACE MOUNT**™



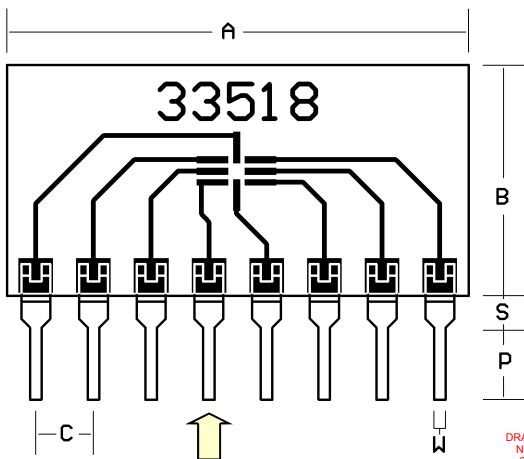
## 33000 SERIES APPLICATION SPECIFIC ADAPTERS

IDS33518  
REV A-10-2011

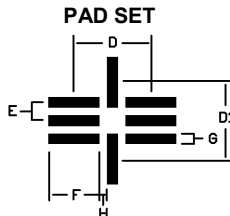
MODEL **33518**

8 LEAD .5 mm PITCH DEVICES

DEVICE LEAD WIDTH 1.5, To Max 3.0 MM

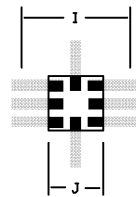


**SINGLE-IN-LINE (SIP) PINS  
ON .100 in. CENTERS**



4 SIDED LEAD  
FORMAT.  
PIN 1 LOCATION  
VARIABLE BASED  
ON DEVICE  
SELECTED.  
SEE DEVICE  
DATA SHEET.

EXAMPLE DEVICE (J)  
AND MAX WIDTH (I)



DRAWINGS  
NOT TO  
SCALE

MOUNTING PADS ARE OVERSIZED IN LENGTH TO ACCEPT A WIDER RANGE OF DEVICE WIDTHS AND TOLERANCES AND TO PERMIT HAND SOLDERING.  
[SEE WEBSITE FOR SOLDERING SUGGESTIONS](#)

### BOARD SPECIFICATIONS

**BOARD MATERIAL:** .8mm, +/- .13mm .031in +/- .005 in. Thick G-10 FR-4 Glass Epoxy or equivalent.

**CIRCUITS:** 1 oz. Copper with RoHS compliant Lead Free solder coating. Patten Position on board +/- .5mm .020in.



RoHS  
Compliant  
EC 2002/95

### ACCEPTS

ANALOG **E-8-1 PKG**  
FAIRCHILD **8LD, MICROPAK 1.6MM SQ.**  
ON SEMI **ULLGA8 1.5x1.5, 0.5P**  
**UQFN8 1.5x1.5, 0.5P**  
**UQFN8 1.6x1.6, 0.5P**  
TEXAS INST. **RSE (S-PQFP-N8) UQFN**  
**RUG (S-PQFP-N8)**

PARTIAL LISTING

ALWAYS CONSULT DEVICE DATA SHEET TO INSURE PROPER FIT

Feature Pins on .1 in. Centers designed for use with Solderless breadboards, Conventional Breadboards, and Sockets with standard .1 in. centers.

Use For Prototyping, Device Test or Evaluation and SMD to Through Hole Conversion.

### JUST ADD PARTS AND PLUG-IN™

FIG.	MM	IN.	NOTE:
A	20.32	.800	BOARD WIDTH +/- .5mm .020in.
B	10.16	.400	BOARD HEIGHT +/- .5mm .020in.
C	2.54	.100	SIP PIN SPACE +/- .20mm .008in.
D, D1	2.1	.083	PAD CENTERLINE
E	.5	.020	DEVICE LEAD PITCH
F	1.4	.055	PAD LENGTH
G	.3	.012	PAD WIDTH
H	.2	.008	GAP
I	3.0	.118	MAX LEAD WIDTH
J	1.5	.059	TYPICAL LEAD WIDTH
P	3.3	.130	LENGTH FROM SHOULDER +/- .5mm .020in.
S	1.57	.062	PIN SHOULDER HEIGHT
W	.5	.020	PIN WIDTH

TOLERANCES: If not noted are +/- 20%. Nominal values are given. Controlling unit is Millimeters. Values rounded to nearest decimal. Slight Variations due to manufacturing process can occur.

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