

# SURFBOARDS<sup>®</sup>

THE BREADBOARDING MEDIUM FOR SURFACE MOUNT™



## 33000 SERIES APPLICATION SPECIFIC ADAPTERS

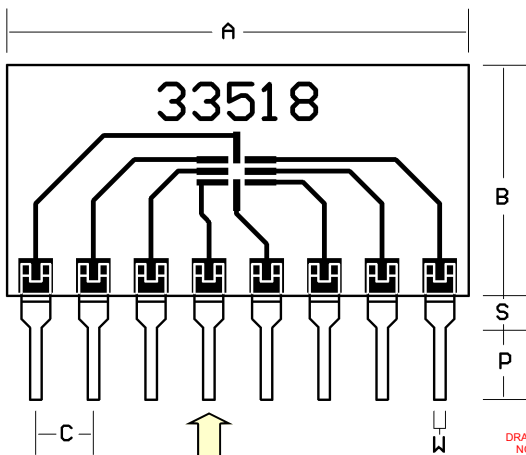
IDS33518  
REV A-10-2011

MODEL **33518**  
8 LEAD .5 mm PITCH DEVICES  
DEVICE LEAD WIDTH 1.5, To Max 3.0 MM

### ACCEPTS

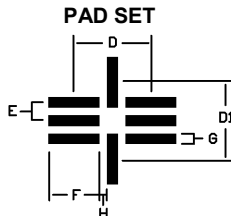
FAIRCHILD **8LD, MICROPAK 1.6MM SQ.**  
ON SEMI **ULLGA8 1.5x1.5, 0.5P**  
**UQFN8 1.5x1.5, 0.5P**  
**UQFN8 1.6x1.6, 0.5P**  
TEXAS INST. **RSE (S-PQFP-N8) UQFN**  
**RUG (S-PQFP-N8)**

### PARTIAL LISTING



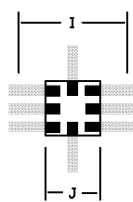
DRAWINGS NOT TO SCALE

**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)



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.



**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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