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[Capital Advanced Technologies, Inc.  
33310](#)

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# SURFBOARDS®

THE BREADBOARDING MEDIUM FOR **SURFACE MOUNT**™



## 33000 SERIES APPLICATION SPECIFIC ADAPTERS

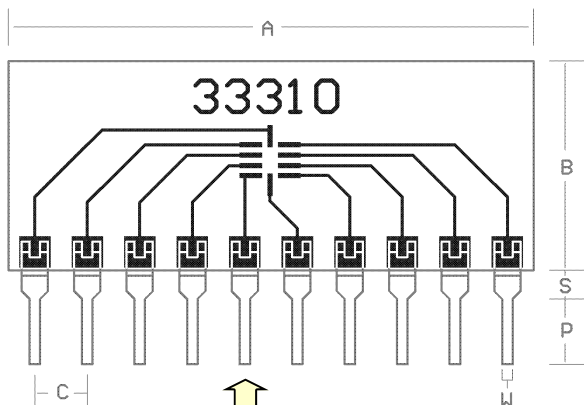
IDS33310  
REV A-10-2011

MODEL **33310**  
10 LEAD .5 mm PITCH DEVICES  
DEVICE LEAD WIDTH 1.5 To Max 2.5 MM

ACCEPTS

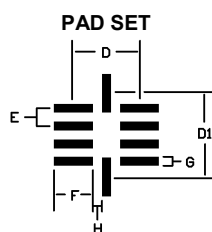
PARTIAL LISTING

FAIRCHILD **10LD, MICROPAK 1.6MM**  
TEXAS INST. **RSE (S-PQFP-N10)**  
**RUG (S-PQFP-N10)**



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

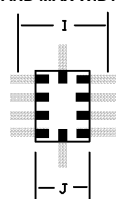
DRAWINGS  
NOT TO  
SCALE



**PAD SET**

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](http://www.CapitalAdvanced.Com)

### 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. Pattern Position on board +/- .5mm .020in.



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	25.4	1.0	BOARD WIDTH +/- .5mm .020in.
B	10.16	.400	BOARD HEIGHT +/- .5mm .020in.
C	2.54	.100	SIP PIN SPACE +/- .20mm .008in.
D	1.85	.073	PAD CENTERLINE
D1	2.35	.093	PAD CENTERLINE OTHER AXIS
E	.5	.020	DEVICE LEAD PITCH
F	1.1	.043	PAD LENGTH
G	.25	.010	PAD WIDTH
H	.25	.010	GAP
I	2.5	.098	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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**CAPITAL ADVANCED TECHNOLOGIES, INC.**  
CAROL STREAM, ILLINOIS. USA PHONE 630-690-1696 FAX 630-690-2498  
[WWW.CapitalAdvanced.Com](http://WWW.CapitalAdvanced.Com)

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