



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# SURFBOARDS®

THE BREADBOARDING MEDIUM FOR SURFACE MOUNT™



## 33000 SERIES APPLICATION SPECIFIC ADAPTERS

IDS33110  
REV A-10-2011

MODEL **33110**

10 LEAD .4 mm PITCH  
4 SIDED DEVICES

### ACCEPTS

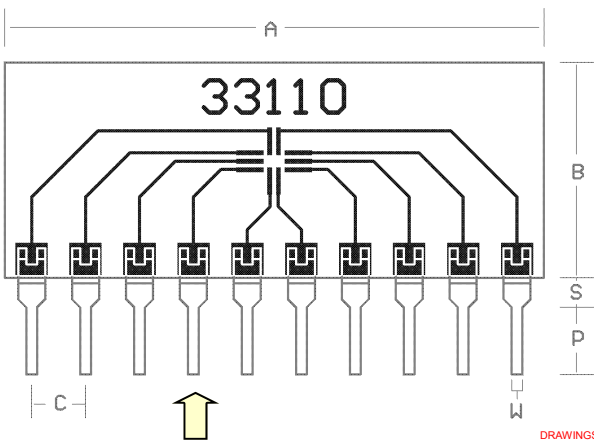
- ANALOG **LFCSP\_UQ 1.3x1.6MM (CP-10-10)**
- FAIRCHILD **10LD UMLP, QUAD 1.4x1.8MM**
- ON SEMI **UQFN10 1.4x1.8,0.4P**  
**WQFN10 1.4x1.8,0.4P**
- TEXAS INST. **RSW (PUQFN-N10)**

### PARTIAL LISTING

ALWAYS CONSULT DEVICE DATA SHEET TO INSURE PROPER FIT

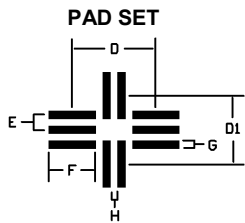
Feature Pins on .1 in. Centers designed for use with Solderless breadboards, Conventional Breadboards, and Sockets with standard .1 in. centers.

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



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

DRAWINGS  
NOT TO  
SCALE



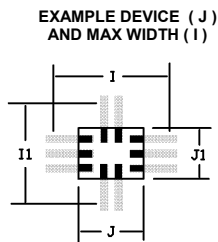
MOUNTING PADS ARE OVERSIZED IN LENGTH TO ACCEPT A WIDER RANGE OF DEVICE WIDTHS AND TOLERANCES AND TO PERMIT HAND SOLDERING.  
[SEE WEBSITE FOR SOLDERING SUGGESTIONS](#)

### 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.

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



RoHS  
Compliant  
EC 2002/95

| 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    | 2.3   | .090 | PAD CENTERLINE                        |
| D1   | 1.88  | .074 | PAD CENTERLINE OTHER AXIS             |
| E    | .4    | .016 | DEVICE LEAD PITCH                     |
| F    | 1.3   | .051 | PAD LENGTH                            |
| G    | .225  | .009 | PAD WIDTH                             |
| H    | .175  | .007 | GAP                                   |
| I    | 3.15  | .124 | MAX LEAD WIDTH                        |
| I1   | 2.75  | .108 | MAX LEAD WIDTH OTHER AXIS             |
| J    | 1.8   | .070 | TYPICAL LEAD WIDTH                    |
| J1   | 1.4   | .055 | TYPICAL LEAD WIDTH OTHER AXIS         |
| P    | 3.3   | .130 | LENGTH FROM SHOULDER +/- .5mm .020in. |
| S    | 1.57  | .062 | PIN SHOULDER HEGHT                    |
| 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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