

SURFBOARDS[®]

THE BREADBOARDING MEDIUM FOR SURFACE MOUNT™



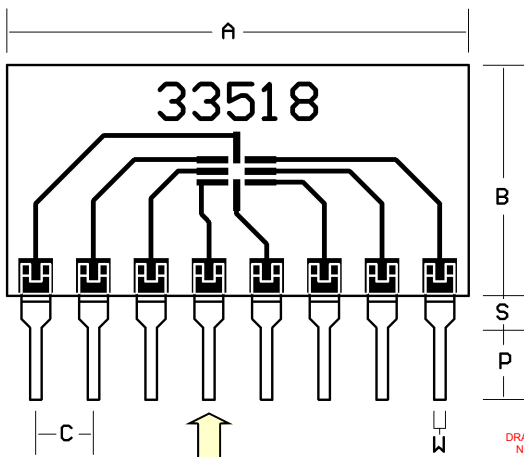
33000 SERIES APPLICATION SPECIFIC ADAPTERS

IDS33518
REV A-10-2011

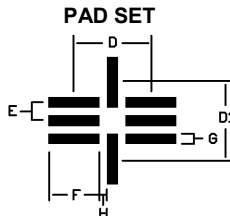
MODEL **33518**

8 LEAD .5 mm PITCH DEVICES

DEVICE LEAD WIDTH 1.5, To Max 3.0 MM

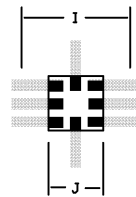


SINGLE-IN-LINE (SIP) PINS
ON .100 in. CENTERS



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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