

Prototyping boards

PTH Microboard

Features

- Reliability of plated through holes
- DIN 41494 cardframe compatible
- Medium packing density
- DIN 41612 connector position, up to 96/96 ways, front and rear
- Solder resist protection to component side of board
- Two Vcc power rails and a 0V ground plane
- Grid print to aid component layout
- Microbus backplane compatible

Application

Specifically designed for microprocessor applications where high reliability, freedom from crosstalk and interface capability is a requirement. Fully compatible with DIN 41494 cardframes and equally suited to soldered or wirewrapped interconnections. When soldering a PTH board, capillary action draws the solder around the component leads forming extremely solid, reliable joints, particularly important in high vibration applications.

Screening

A maximum copper colander 0V ground plane is provided on the component side of the board. It is recommended that this side is used for interwiring with looms lying flat on the ground plane surface. This will reduce crosstalk from signal lines coupling directly to the ground plane.

| PTH Microboard | | | Ordering information |
|------------------|-----------------------------|------------------------------|----------------------|
| Board dimensions | 7,62 pitch IC DIP rows/pads | 15,24 pitch IC DIP rows/pads | Order code |
| 100 x 160 | 4/44 | 4/44 | 222-2991 |
| 100 x 220 | 4/67 | 4/67 | 222-2992 |
| 233,4 x 160 | 11/44 | 17/44 | 222-2993 |
| 233,4 x 220 | 11/67 | 17/67 | 222-2994 |

PTH Square pad boards

By having plated through holes, these boards are able to offer the same high density and flexibility as the square pad Eurocards but for hard wiring applications. A high level of interfacing may be achieved with boards able to accept 96/96 way DIN 41612 connectors.

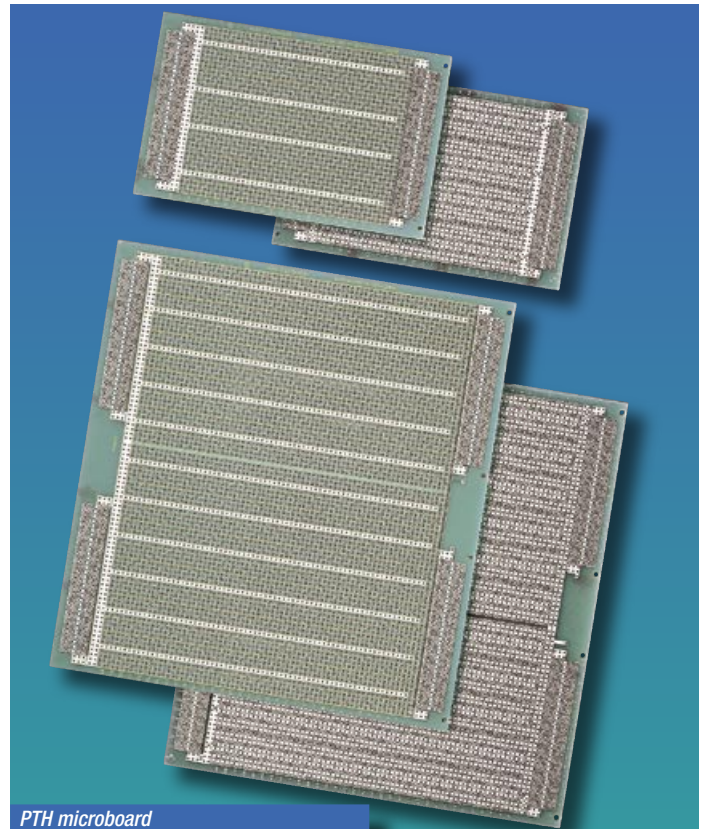
Power rails are provided along the length of the board and a colander ground plane affords maximum screening to the component side of the board.

Features

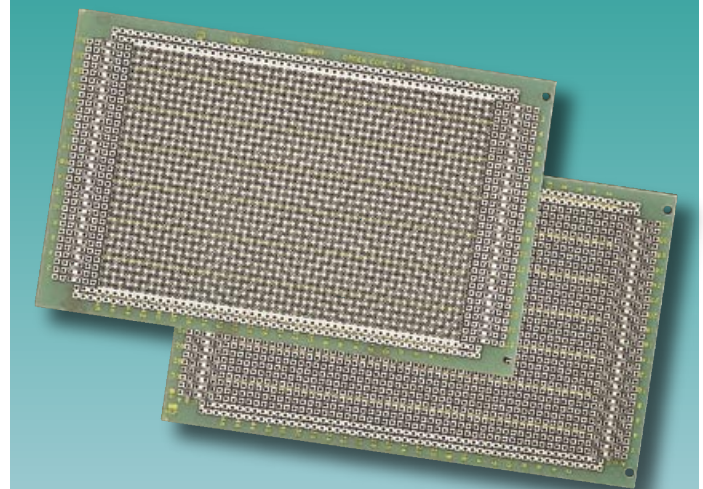
- Maximum packing density
- Total flexibility using hard wire or wirewrapping techniques
- DIN 41494 cardframe compatible
- DIN 41612 connector pattern up to 96/96 ways, front and rear
- Solder resist protection to component side of board

| PTH Square pad boards | | | | Ordering information |
|-----------------------|-------------|--------|---------------|----------------------|
| Board dimensions | No. of Pads | | Base material | Order code |
| | width | length | | |
| 100 x 160 | 32 | 48 | Epoxy glass | 222-26492 |
| 100 x 220 | 32 | 71 | Epoxy glass | 222-53134 |
| 233,4 x 160 | 70 | 48 | Epoxy glass | 222-53135 |
| 233,4 x 220 | 70 | 71 | Epoxy glass | 222-53136 |

Note: Hole grid 2,54 x 2,54mm hole dia. 1,02mm



PTH microboard



PTH Square Pad Board