



MOLD-TO-POSITION PRODUCT
 Minimums or set-up charges may apply. Call Samtec.

PIN GRID ARRAY ADAPTORS MPAT, MVAT, MHAT, MSAT

Mates with:
 MPAS, MVAS, MLAS, MHAS, MSAS

Features:

- A choice of many different terminal styles and insulators makes it easy to find the adaptor for your application.
- Unique MHAT insulator that allows any array from 1 by 1 to 20 by 20.
- Irregular shapes are also available upon request.

Specifications:
 MPAT, MVAT



Insulator Material: Black Glass Filled Polyester
Flammability Rating: UL 94V-O
Insulation Resistance: 5000 megohm @ 500 VDC
Operating Temp Range: -55°C to +105°C with Tin; -55°C to + 125°C with Gold.
Withstanding Voltage: 1000 VRMS @ 60 Hz
Terminal Material: Brass or Phosphor Bronze
Plating: Au or Sn over 50µ" Ni
Current Rating: 1 amp continuous @ 100 VDC per contact
Terminal Retention in Body: 5 lbs against barb

Specifications:
 MSAT **HI-TEMP**

Same as MPAT except:
Insulator Material: Black Liquid Crystal Polymer
Max Processing Temp: 230°C for 30 to 60 seconds

Specifications:
 MHAT

Same as MPAT except:
Insulator Material: Black High Temperature Thermoplastic
Operating Temp Range: -55°C to +170°C

Note:
 These Series are non-standard, non-returnable.

| BODY STYLE | PIN COUNT | LEAD STYLE | PLATING OPTION | GRID SIZE & PIN OUT CODE |
|--|---|------------|---|--------------------------|
| MPAT = Standard Polyester MVAT = Open Body Polyester MSAT = Hi-Temp Open Body | -XXX = Total Number Of Filled Positions | | -G = 20µ" (0,51µm) Gold -T = Tin | |
| MHAT = Low Profile | | | | |

| MPAT, MVAT & MSAT ONLY | | MHAT ONLY | | | | | | | | | | | | | | |
|--|--------------|-----------|----|--------------|-----|-------------|---|--|---|----|-------------|----|-------------|----|--------------|--|
| -A or -A1 =Round Pin <table border="1"> <tr><th>STYLE</th><th>X DIA</th></tr> <tr><td>-A</td><td>(0,64) .025</td></tr> <tr><td>-A1</td><td>(0,46) .018</td></tr> </table> <p>-A Component No. = T-1R0 -A1 Component No. = T-1R5</p> | STYLE | X DIA | -A | (0,64) .025 | -A1 | (0,46) .018 | -J =Solder Shell <p>-J Component No. = S-1P1</p> | -R =Standard Pin <p>-R Component No. = T-2R6</p> | -H =Short Pin <p>-H Component No. = T-1R6</p> | | | | | | | |
| STYLE | X DIA | | | | | | | | | | | | | | | |
| -A | (0,64) .025 | | | | | | | | | | | | | | | |
| -A1 | (0,46) .018 | | | | | | | | | | | | | | | |
| -D or -D1 =Wirewrap <table border="1"> <tr><th>STYLE</th><th>A</th></tr> <tr><td>-D</td><td>(12,95) .510</td></tr> <tr><td>-D1</td><td>(7,87) .310</td></tr> </table> <p>-D Component No. = T-1S4-1-1 -D1 Component No. = T-1S4-1-2</p> | STYLE | A | -D | (12,95) .510 | -D1 | (7,87) .310 | -M, -N & -P =Extended Pin Not available with MSAT. <table border="1"> <tr><th>LEAD STYLE</th><th>A</th></tr> <tr><td>-M</td><td>(1,52) .060</td></tr> <tr><td>-N</td><td>(4,70) .185</td></tr> <tr><td>-P</td><td>(11,05) .435</td></tr> </table> <p>-M Component No. = T-1R14-1 -N Component No. = T-1R14-2 -P Component No. = T-1R14-3</p> | LEAD STYLE | A | -M | (1,52) .060 | -N | (4,70) .185 | -P | (11,05) .435 | -T =Extended Pin <p>-T Component No. = T-3R6</p> |
| STYLE | A | | | | | | | | | | | | | | | |
| -D | (12,95) .510 | | | | | | | | | | | | | | | |
| -D1 | (7,87) .310 | | | | | | | | | | | | | | | |
| LEAD STYLE | A | | | | | | | | | | | | | | | |
| -M | (1,52) .060 | | | | | | | | | | | | | | | |
| -N | (4,70) .185 | | | | | | | | | | | | | | | |
| -P | (11,05) .435 | | | | | | | | | | | | | | | |

Due to technical progress, all designs, specifications and components are subject to change without notice.

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