



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-0
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>	STYLE	X DIA	-A	(0,64) .025	-A1	(0,46) .018	-J =Solder Shell 	-R =Standard Pin 	-H =Short Pin 							
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>	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>	LEAD STYLE	A	-M	(1,52) .060	-N	(4,70) .185	-P	(11,05) .435	-T =Extended Pin
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Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047
 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299
 SAMTEC SCANDINAVIA • Tel: +46-84477280 • Fax: +46-8420413
 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502
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 SAMTEC KOREA • Tel: 82-31-717-5685 • Fax: 82-31-717-5681
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 SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
 SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187
 SAMTEC TAIWAN • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159
 SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745