

(2,54mm) .100"

MPAS, MVAS, MSAS SERIES

PIN GRID ARRAY SOCKETS

Mates with:
MPAT, MVAT, MHAT, MSAT

SPECIFICATIONS

For complete specifications see www.samtec.com?MPAS or www.samtec.com?MVAS

MPAS, MVAS
Insulator Material:
Black G.F. Polyester



Contact:
BeCu
Shell:
Brass except Style K
Phosphor Bronze

Operating Temp Range:
-55°C to +105°C with Tin
-55°C to +125°C with Gold

Plating:
Au over 50µ" (1,27µm) Ni or
Sn over 100µ" (2,58µm) Cu or
50µ" (1,27µm) Ni

Current Rating:
1A

Contact Resistance:
10mΩ max

Lead Size Range:
.015" (0,38mm) to
.022" (0,56mm) DIA

Insertion Force:
(Single contact only)
Style ZU = 1.5oz (0,42N) max,
all others = 2.5 oz (0,69N) avg,
5.5 oz (1,53N) max

Withdrawal Force:
(Single contact only)
Style ZU = 1.5oz (0,42N) max,
all others = 2.0 oz (0,56N) avg,
0.35 oz (0,97N) min

Lead-Free Solderable:
Wave, only

RoHS Compliant:
No

Note: Some sizes, styles and options are non-standard, non-returnable.

SPECIFICATIONS

For complete specifications see www.samtec.com?MSAS

MSAS
Same as
MPAS except:
Insulator Material:
Black Liquid Crystal Polymer



Note: Some sizes, styles and options are non-standard, non-returnable.

BODY STYLE	PIN COUNT	LEAD STYLE	PLATING OPTION	PIN OUT CODE	OPTION
<p>MPAS = Standard Polyester</p> <p>MVAS = Open Body Polyester</p> <p>MSAS = Hi-Temp LCP Open Body</p>	<p>– "XXX"</p> <p>= Total Number of Filled Positions</p>	<p>GG = 30µ" (0,76µm) Gold Contact, 10µ" (0,25µm) Gold Shell</p> <p>GT = 30µ" (0,76µm) Gold Contact, Tin Shell</p> <p>TT = Tin Contact and Shell (Styles –ZS & ZW Only)</p> <p>ST = 10µ" (5,08µm) Gold Contact, Tin Shell (Style –ZS only)</p>	<p>–2 = (9,14) .360 Wire-Wrap (–ZW Only)</p> <p>–3 = (6,60) .260 Wire-Wrap (–ZW Only)</p> <p>–L = Locking Socket (–ZS Only)</p>	<p>ALSO AVAILABLE</p> <p>RoHS compliant options. Call Samtec.</p>	

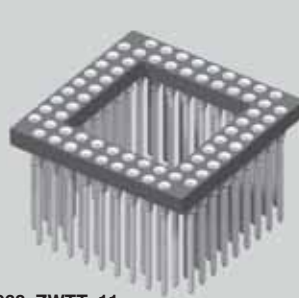


–ZW = Wire Wrap	–ZE = Elevated	–ZS, –ZU, –ZA = Printed Circuit												
<p>Shorter w/w tail lengths available. See OPTION.</p> <p>Insertion Depth = .125" to .157" Style ZW Component Part No. = EZ-1W1(1) Style ZW-2 Component Part No. = EZ-1W1(2) Style ZW-3 Component Part No. = EZ-1W1(3)</p>	<p>Insertion Depth = .125" to .170" Style ZE Component Part No. = EZ-2P3</p>	<p>Insertion Depth = .095" to .145", Style ZS Component Part No. = EZ-1P1 Style ZU Component Part No. = EZ-6P1 Option L Component Part No. = SC-1L1 or EZ-1L1</p> <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>X DIA</th> <th>Y TAIL</th> <th>Z GAIL</th> </tr> </thead> <tbody> <tr> <td>–ZS, –ZU</td> <td>(0,51) .020</td> <td>(3,18) .125</td> <td>(7,62) .300</td> </tr> <tr> <td>–ZA</td> <td>(0,51) .020</td> <td>(4,57) .180</td> <td>(8,89) .350</td> </tr> </tbody> </table> <p>Locking lead (–L) available. See OPTION.</p>	LEAD STYLE	X DIA	Y TAIL	Z GAIL	–ZS, –ZU	(0,51) .020	(3,18) .125	(7,62) .300	–ZA	(0,51) .020	(4,57) .180	(8,89) .350
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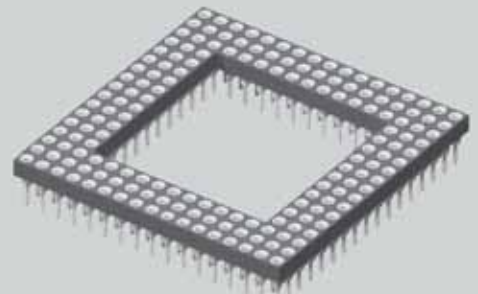
Due to technical progress, all designs, specifications and components are subject to change without notice.

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MVAS-068-ZWTT-11



MVAS-168-ZSGG-17

**MORE STANDARD PIN-OUTS AVAILABLE.
CALL SAMTEC.**

<p>-21=273 Pins</p> <p>MSAS only.</p>	<p>-18=191 Pins</p> <p>MSAS only.</p>	<p>-18=179 Pins</p> <p>MSAS only.</p>	<p>-17=240 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-17=209 Pins</p> <p>MSAS not available.</p>	
<p>-17=169 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-17=168 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-16=172 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-16=156 Pins</p> <p>MSAS only.</p>	<p>-15=181 Pins</p> <p>MVAS not available.</p>	
<p>-15=176 Pins</p> <p>MSAS not available.</p>	<p>-15B=149 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-15=145 Pins</p> <p>MVAS not available.</p>	<p>-14=132 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-13=169 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-13A=133 Pins</p> <p>MVAS & MSAS not available.</p>
<p>-13B=132 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-13A=124 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-13A=121 Pins</p> <p>MSAS not available.</p>	<p>-13=114 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-13=101 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-13=088 Pins</p> <p>MSAS not available.</p>
<p>-11=085 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-11C=084 Pins</p> <p>MSAS not available.</p>	<p>-11=069 Pins</p> <p>MSAS not available.</p>	<p>-11=068 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-10=084 Pins</p> <p>MVAS & MSAS not available.</p>	<p>-10=068 Pins</p> <p>MSAS not available.</p>

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