

(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

Shorter w/w tail lengths available. See OPTION.

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)

–ZE = Elevated

Insertion Depth = .125" to .170"
Style ZE Component Part No. = EZ-2P3

–ZS, –ZU, –ZA = Printed Circuit

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

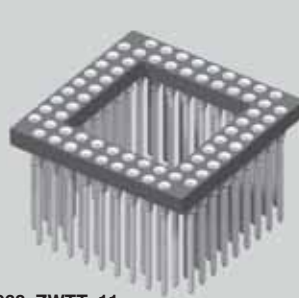
| LEAD STYLE | X DIA | Y TAIL | Z GAIL |
|------------|-------------|-------------|-------------|
| –ZS, –ZU | (0,51) .020 | (3,18) .125 | (7,62) .300 |
| –ZA | (0,51) .020 | (4,57) .180 | (8,89) .350 |

Locking lead (–L) available. See OPTION.

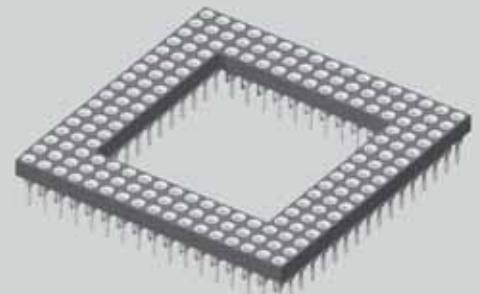
Due to technical progress, all designs, specifications and components are subject to change without notice.

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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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