

PIN GRID ARRAY SOCKETS MPAS, MVAS, MSAS SERIES

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 except

Style ZL = .015" (0,38mm) to

.020" (0,51mm) 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, except Styles J

& K = 9 oz (2,50N) avg, 16 oz

(4,45N) 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, except Styles J &

K = 2.5 oz (0,69N) avg, 1.5 oz

(0,42N) 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

Max Processing Temp:

230°C for 30 to 60 seconds

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</p> <p>= 30µ" (0,76µm) Gold Contact, 10µ" (0,25µm) Gold Shell</p> <p>GT</p> <p>= 30µ" (0,76µm) Gold Contact, Tin Shell</p> <p>TT</p> <p>= Tin Contact and Shell (Styles -ZS & ZW Only)</p> <p>ST</p> <p>= 10µ" (5,08µm) Gold Contact, Tin Shell (Style -ZS only)</p>	<p>-2</p> <p>= (9,14).360 Wire-Wrap (-ZW Only)</p> <p>-3</p> <p>= (6,60).260 Wire-Wrap (-ZW Only)</p> <p>-L</p> <p>= Locking Socket (-ZS Only)</p> <p>Requires GT Plating Option</p>		

ALSO AVAILABLE

RoHS compliant options. Call Samtec.

New!

Ultra-LIF

1.5oz (0,42N) Max Insertion Force
45g (0,44N) Normal Force
Specify Style -ZU

-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 or -ZH = Elevated

LEAD STYLE	X DIA	W TAIL	Y	Z OAL
-ZE	(0,51)	(4,32)	(8,86)	(13,77)
-ZH	(0,46)	(3,81)	(12,95)	(17,86)

Insertion Depth = .125" to .170"
Style ZE Component Part No. = EZ-2P3
Insertion Depth = .125" to .145"
Style ZH Component Part No. = EZ-2P2

-ZS, -ZU, -ZA, -J, -K = Printed Circuit

Locking lead (-L) available. See OPTION.

LEAD STYLE	X DIA	Y TAIL	Z OAL
-ZS, -ZU	(0,51)	(3,18)	(7,62)
-ZA	(0,51)	(4,57)	(8,89)
-J	(0,64)	(10,41)	(15,24)
-K	(0,89)	(12,95)	(17,86)

Insertion Depth = .095" to .145",
Style ZS Component Part No. = EZ-1P1
Style ZA Component Part No. = EZ-6P1
Option L Component Part No. = SC-L1 or EZ-L1
Insertion Depth = .095" to .138",
Style J Component Part No. = SC-1P3
Insertion Depth = .095" to .157",
Style K Component Part No. = SC-2P1

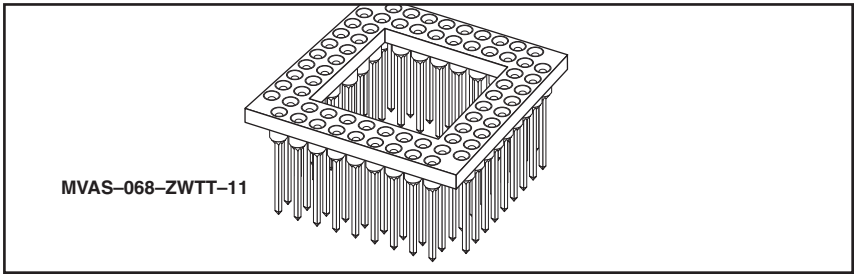
Styles J & K = 16 oz/pin insertion force

-ZL = Low Profile

Insertion Depth = .105" to .170"
Component No. = EZ-3P1

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

WWW.SAMTEC.COM



**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>MSAS only.</p>	<p>-17=168 Pins</p> <p>MSAS only.</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>

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 ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502
SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842
SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520
SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61
SAMTEC JAPAN • Tel: 045-475-1385 • Fax: 045-475-1340
SAMTEC KOREA • Tel: 82-31-717-5685 • Fax: 82-31-717-5681
SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113
SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
SAMTEC NORDIC/BALTIC • Tel: +46-87420413
SAMTEC ISRAEL • Tel: 972-3-7526600 • Fax: 972-3-7526690
SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-5423 4575
SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187
SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036
SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745