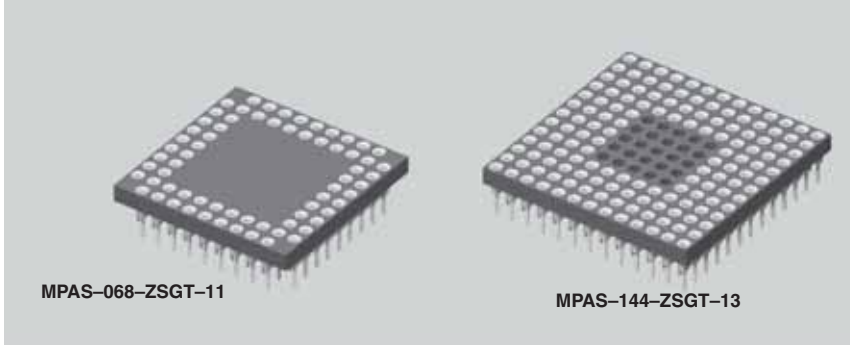




(2,54mm) .100"

MPAS, MVAS, MSAS SERIES



MPAS-068-ZSGT-11

MPAS-144-ZSGT-13

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>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>Requires GT Plating Option</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

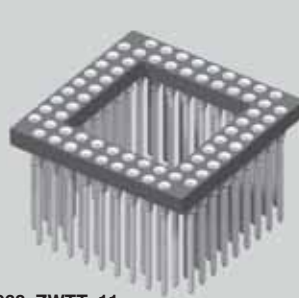
LEAD STYLE	X DIA	Y TAIL	Z OAL
-ZS, -ZU	(0,51) .020	(3,18) .125	(7,62) .300
-ZA	(0,51) .020	(4,57) .180	(8,89) .350

Locking lead (-L) available. See OPTION.

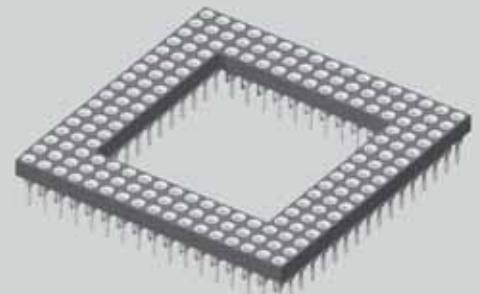
Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
 SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 8990337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292 SAMTEC ISRAEL • Tel: 972-3-7526600
 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766 SAMTEC TAIWAN • Tel: 886-2-2735-6109
 Downloaded from Elcodis.com electro SAMTEC HONG KONG • Tel: 852-2600-9858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9512 7747 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112



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>

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 812-944-6793 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
 SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 8890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292 SAMTEC ISRAEL • Tel: 972-3-7526600
 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766 SAMTEC TAIWAN • Tel: 886-2-2735-6109
 SAMTEC HONG KONG • Tel: 852 2600 9858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9512 7747 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112