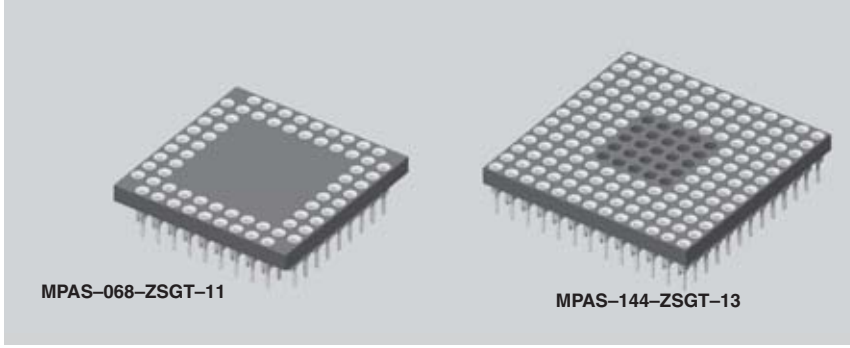




(2,54mm) .100"

MPAS 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](http://www.samtec.com?MPAS)

**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 = 1.5 oz (0,42N) max,

all others = 2.5 oz (0,69N) avg,

5.5 oz (1,53N) max

**Withdrawal Force:**

(Single contact only)

Style ZU = 1.5 oz (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

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



### -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

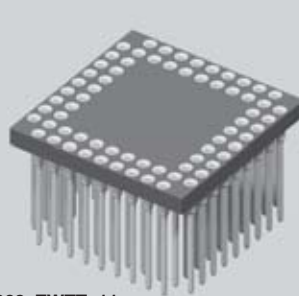
LEAD STYLE	X DIA	Y TAIL	Z OAL
-ZS, -ZU	(0,51) .020	(3,18) .125	(7,62) .300
-ZA	(0,51) .020	(4,57) .180	(8,89) .350

Locking lead (-L) available. See OPTION.

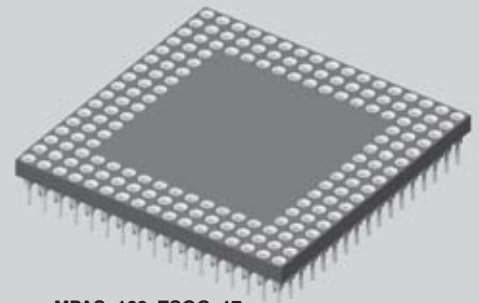
**Note:** Some sizes, styles and options are non-standard, non-returnable.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)



MPAS-068-ZWTT-11



MPAS-168-ZSGG-17

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

<b>-17=240 Pins</b> 	<b>-17=209 Pins</b> 	<b>-17=169 Pins</b> 	<b>-17=168 Pins</b> 	
<b>-16=172 Pins</b> 	<b>-15=181 Pins</b> 	<b>-15=176 Pins</b> 	<b>-15B=149 Pins</b> 	<b>-15=145 Pins</b> 
<b>-14=132 Pins</b> 	<b>-13=169 Pins</b> 	<b>-13A=133 Pins</b> 	<b>-13B=132 Pins</b> 	<b>-13A=124 Pins</b> 
<b>-13A=121 Pins</b> 	<b>-13=114 Pins</b> 	<b>-13=101 Pins</b> 	<b>-13=088 Pins</b> 	<b>-11=085 Pins</b> 
<b>-11C=084 Pins</b> 	<b>-11=069 Pins</b> 	<b>-11=068 Pins</b> 	<b>-10=084 Pins</b> 	<b>-10=068 Pins</b> 

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

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