



(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

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
MPAS = Standard Polyester MVAS = Open Body Polyester MSAS = Hi-Temp LCP Open Body	"XXX" = Total Number of Filled Positions	GG = 30µ" (0,76µm) Gold Contact, 10µ" (0,25µm) Gold Shell GT = 30µ" (0,76µm) Gold Contact, Tin Shell TT = Tin Contact and Shell (Styles -ZS & ZW Only) ST = 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)		



-ZW = Wire Wrap

-ZE = Elevated

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)

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 ZA Component Part No. = EZ-6P1
Option L Component Part No. = SC-1L1 or EZ-1L1

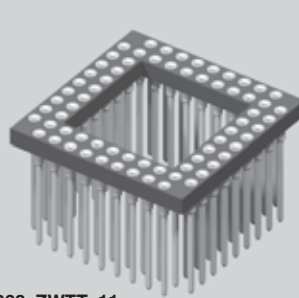
Locking lead (-L) available.
See OPTION.

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

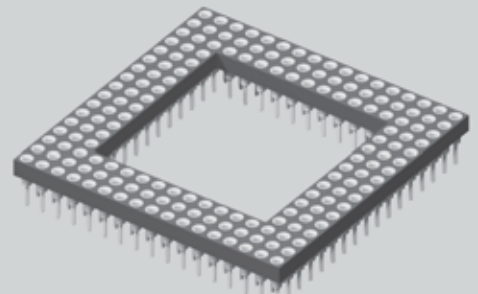
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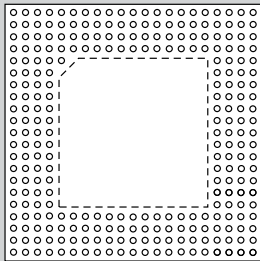


MVAS-068-ZWTT-11

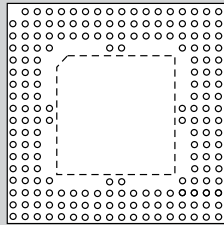


MVAS-168-ZSGG-17

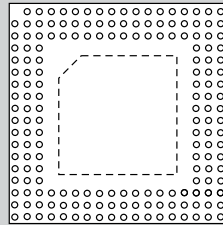
**MORE STANDARD PIN-OUTS AVAILABLE.
CALL SAMTEC.**

-21=273 Pins

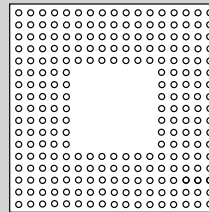
MSAS only.

-18=191 Pins

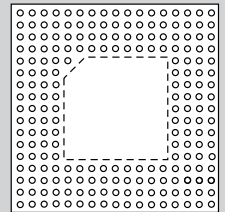
MSAS only.

-18=179 Pins

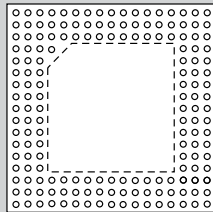
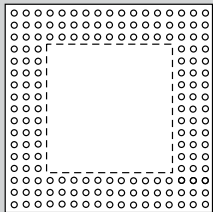
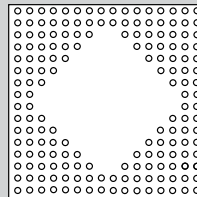
MSAS only.

-17=240 Pins

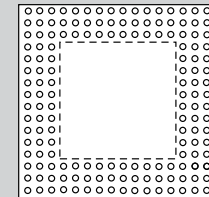
MVAS & MSAS not available.

-17=209 Pins

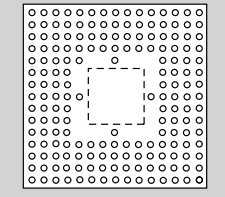
MSAS not available.

-17=169 Pins**-17=168 Pins****-16=172 Pins**

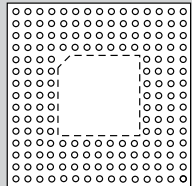
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-16=156 Pins

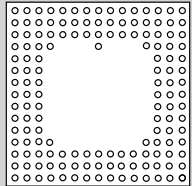
MSAS only.

-15=181 Pins

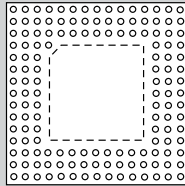
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-15=176 Pins

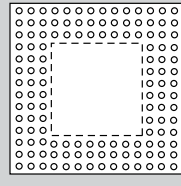
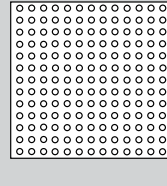
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-15B=149 Pins

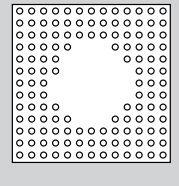
MVAS & MSAS not available.

-15=145 Pins

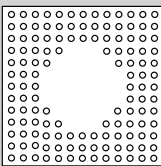
MVAS not available.

-14=132 Pins**-13=169 Pins**

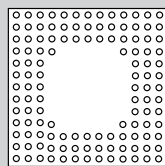
MVAS & MSAS not available.

-13A=133 Pins

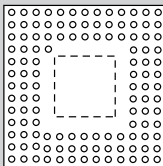
MVAS & MSAS not available.

-13B=132 Pins

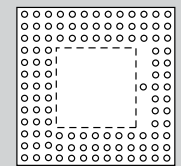
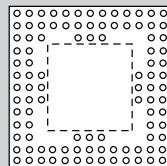
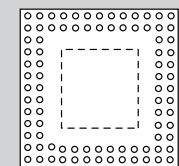
MVAS & MSAS not available.

-13A=124 Pins

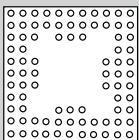
MVAS & MSAS not available.

-13A=121 Pins

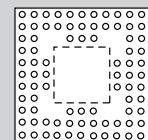
MSAS not available.

-13=114 Pins**-13=101 Pins****-13=088 Pins**

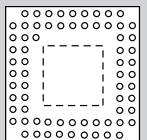
MSAS not available.

-11=085 Pins

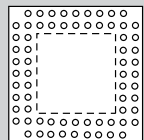
MVAS & MSAS not available.

-11C=084 Pins

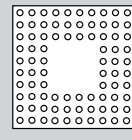
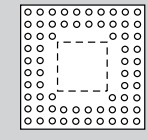
MSAS not available.

-11=069 Pins

MSAS not available.

-11=068 Pins

MVAS & MSAS not available.

-10=084 Pins**-10=068 Pins**

MSAS not available.

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