

samtec

(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
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)		

ALSO AVAILABLE

RoHS compliant options. Call Samtec.

RoHS Compliant **PK LEAD**
www.samtec.com/lead-fps

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

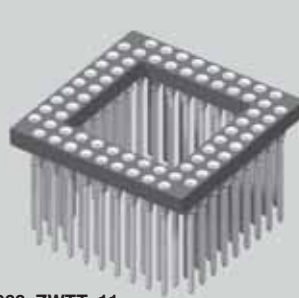
-ZW = Wire Wrap	-ZE = Elevated	-ZS, -ZU, -ZA = Printed Circuit												
Shorter w/w tail lengths available. See OPTION. Insertion Depth = .125" to .157" Style ZW Component Part No. = EZ-1W1(1) Style ZW-2 Component Part No. = EZ-1W1(2) Style ZW-3 Component Part No. = EZ-1W1(3)	Insertion Depth = .125" to .170" Style ZE Component Part No. = EZ-2P3	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 <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>X DIA</th> <th>Y TAIL</th> <th>Z OAL</th> </tr> </thead> <tbody> <tr> <td>-ZS, -ZU</td> <td>(0,51) .020</td> <td>(3,18) .125</td> <td>(7,62) .300</td> </tr> <tr> <td>-ZA</td> <td>(0,51) .020</td> <td>(4,57) .180</td> <td>(8,89) .350</td> </tr> </tbody> </table>	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
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-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.

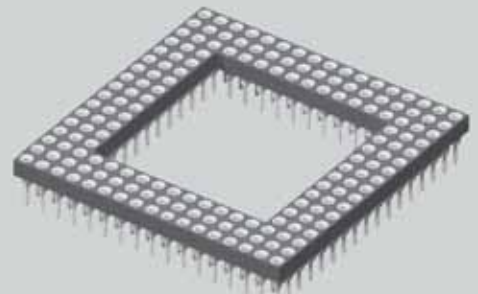
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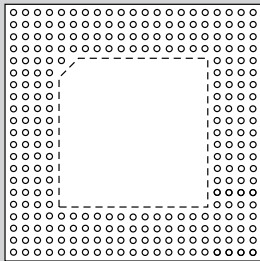


MVAS-068-ZWTT-11

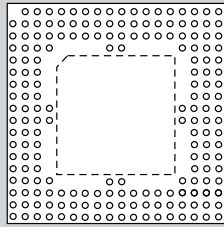


MVAS-168-ZSGG-17

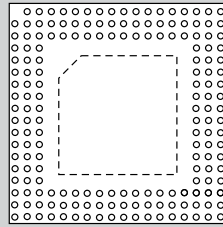
**MORE STANDARD PIN-OUTS AVAILABLE.
CALL SAMTEC.**

-21=273 Pins

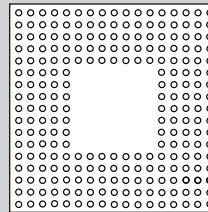
MSAS only.

-18=191 Pins

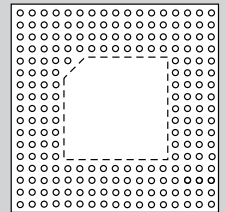
MSAS only.

-18=179 Pins

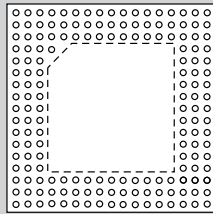
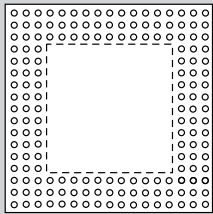
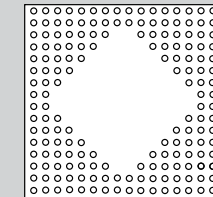
MSAS only.

-17=240 Pins

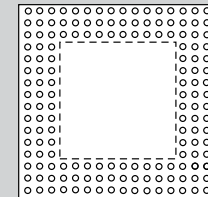
MVAS & MSAS not available.

-17=209 Pins

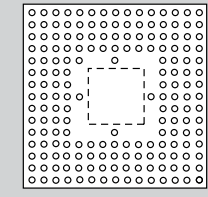
MSAS not available.

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

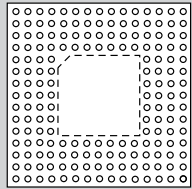
MVAS & MSAS not available.

-16=156 Pins

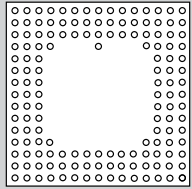
MSAS only.

-15=181 Pins

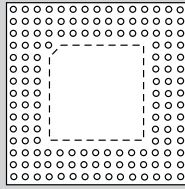
MVAS not available.

-15=176 Pins

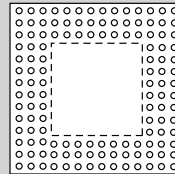
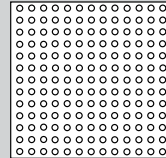
MSAS not available.

-15B=149 Pins

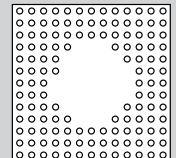
MVAS & MSAS not available.

-15=145 Pins

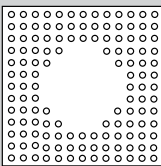
MVAS not available.

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

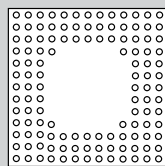
MVAS & MSAS not available.

-13A=133 Pins

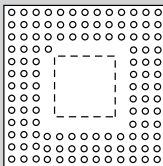
MVAS & MSAS not available.

-13B=132 Pins

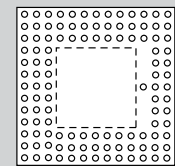
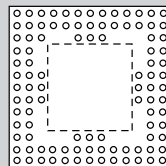
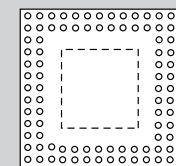
MVAS & MSAS not available.

-13A=124 Pins

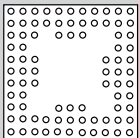
MVAS & MSAS not available.

-13A=121 Pins

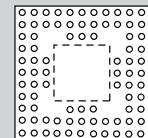
MSAS not available.

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

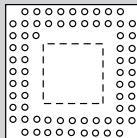
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-11=085 Pins

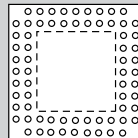
MVAS & MSAS not available.

-11C=084 Pins

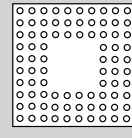
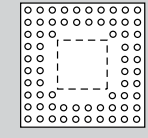
MSAS not available.

-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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