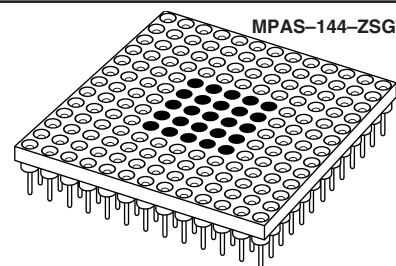


MPAS-068-ZSGT-11



MPAS-144-ZSGT-13

PIN GRID ARRAY SOCKETS

MPAS, MVAS,
MHAS, MSAS

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 Glass Filled
Polyester



Operating Temp Range:

-65°C to +105°C with Tin
-65°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: BeCu

Shell: Brass except Style K
Phosphor Bronze

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;
ZM = .016" (0,41mm) to
.021" (0,53mm) DIA;
ZN = .016" (0,41mm) to
.020" (0,51mm) DIA

Insertion Force:

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:

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

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



SPECIFICATIONS

For complete specifications
see www.samtec.com?MHAS

MHAS

Same as MPAS
except:

Insulator Material:
Black High Temp. Plastic



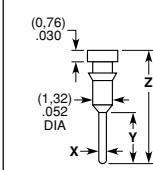
BODY STYLE	PIN COUNT	LEAD STYLE	PLATING OPTION	PIN OUT CODE	OPTION
MPAS = Standard Polyester MVAS = Open Body Polyester MSAS = Hi-Temp LCP Open Body	“XXX” = Total Number Of Filled Positions		GG = 30μ" (0,76μm) Gold Contact, 10μ" (0,25μm) Gold Shell GT = 30μ" (0,76μm) Gold Contact, Tin Shell TT = Tin 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)
MHAS = Low Profile					Requires GT Plating Option

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



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

Locking lead (-L) available. See OPTION.

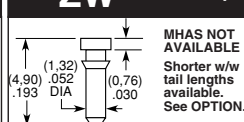


LEAD STYLE	X DIA	Y TAIL	Z OAL
-ZS, -ZU	(0,51) .020	(3,18) -125	(7,62) -300
-ZA	(0,51) .020	(4,57) -180	(8,89) -350
-J	(0,64) .025	(10,41) -410	(15,24) -600
-K	(0,89) .035	(12,95) -510	(17,86) -703

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
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

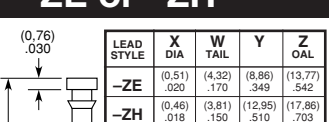
-ZW = Wire-Wrap



MHAS NOT AVAILABLE
Shorter w/w tail lengths available. See OPTION.

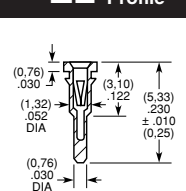
Insertion Depth = .125" to .157"
Style ZW Component Part No. = EZ-1W1(1)
Style ZW-2 Component Part No. = EZ-1W1(2)
Style ZW-3 Component Part No. = EZ-1W1(3)

-ZE or -ZH = Elevated



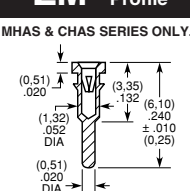
MHAS NOT AVAILABLE
Insertion Depth = .125" to .170",
Style ZE Component Part No. = EZ-2P3
Insertion Depth = .125" to .145",
Style ZH Component Part No. = EZ-2P2

-ZL = Low Profile



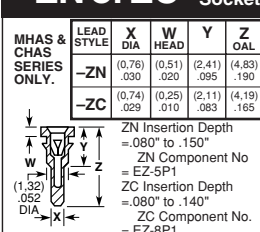
Insertion Depth = .105" to .170"
Component No. = EZ-3P1

-ZM = Low Profile



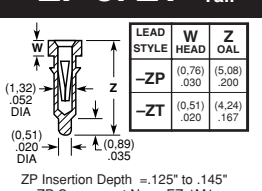
Insertion Depth = .080" to .105"
Component No. = EZ-4P1

-ZN or ZC = Micro Socket



MHAS & CHAS SERIES ONLY.
LEAD STYLE X DIA W HEAD Y Z OAL
-ZN (0,76) .030 (0,51) .020 (2,41) .095 (4,83) .190
-ZC (0,74) .029 (0,25) .010 (2,11) .083 (4,19) .165
ZN Insertion Depth = .080" to .150"
ZN Component No. = EZ-5P1
ZC Insertion Depth = .080" to .140"
ZC Component No. = EZ-6P1

-ZP or ZT = Short Tail



ZP Insertion Depth = .125" to .145"
ZP Component No. = EZ-1M1
ZT Insertion Depth = .080" to .105"
ZT Component No. = EZ-1M2

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

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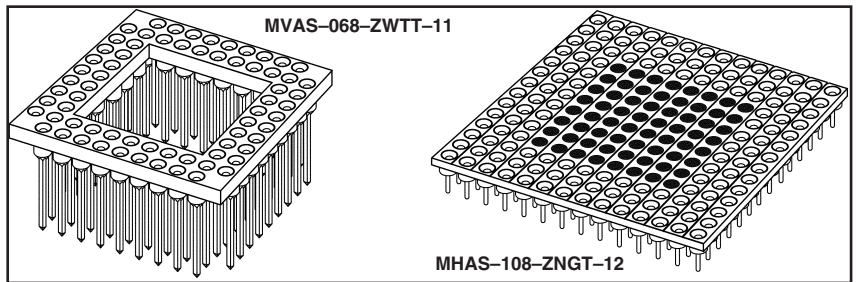
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CALL SAMTEC.**

-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.
-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
-10 = 084 Pins MVAS & MSAS not available.	-10 = 068 Pins MSAS not available.			

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