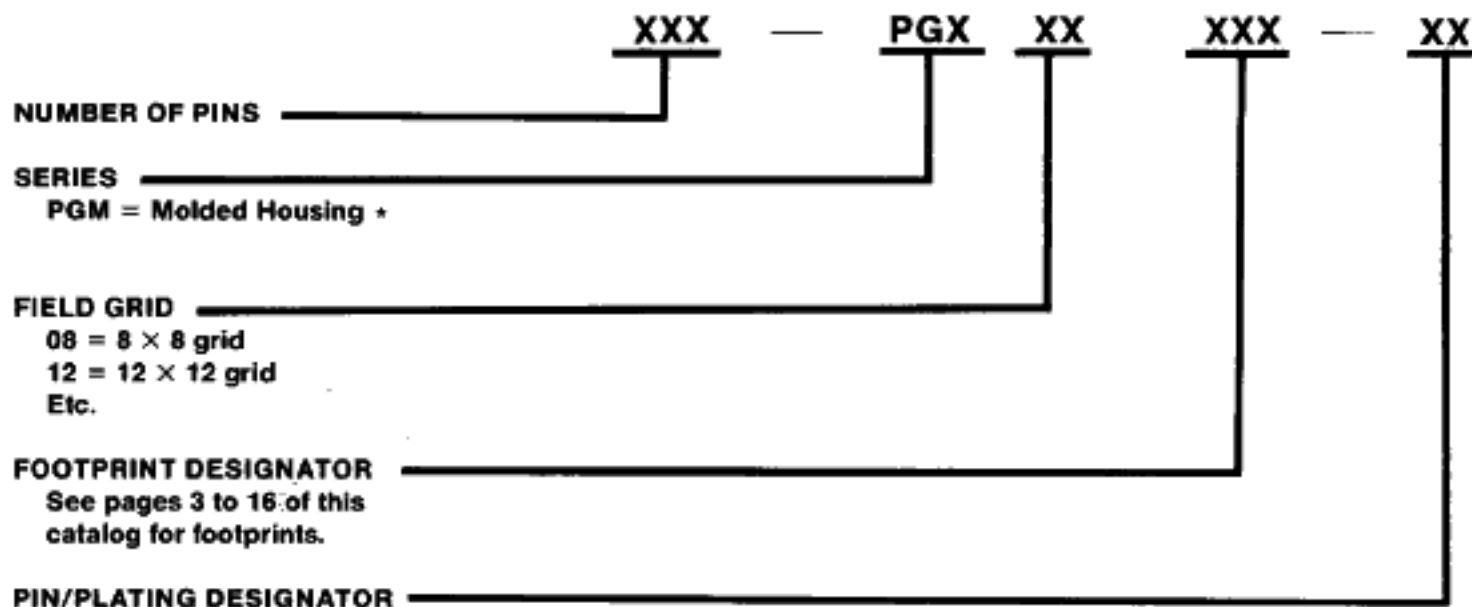


With the proliferation of pin grid packages on the market, there are a great number of options available on socket packages. Trying to incorporate these options into an easy to understand part numbering

structure is not an easy task. We have tried to make it as easy as possible with the following description.

ARIES PIN GRID ARRAY PART NO. STRUCTURE



* PGG = Glass Epoxy Housing (Only used if footprint has not been molded.)

DASH #	TYPE	PLATING	SKETCH
-10T	Socket, Solder Tail	Tin Collet/Tin Shell (See Chart A)	#1
-10	Socket, Solder Tail	Gold Collet/Tin Shell (See Chart A)	#1
-10H	Socket, Solder Tail	Heavy Gold Collet/Tin Shell (See Chart A)	#1
-11	Socket, Solder Tail	Gold Collet/Gold Shell (See Chart A)	#1
-11H	Socket, Solder Tail	Heavy Gold Collet/Tin Shell (See Chart A)	#1
-20	Socket, 2-Level Wire Wrap	Gold Collet/Tin Shell (See Chart A)	#2
-21	Socket, 2-Level Wire Wrap	Gold Collet/Gold Shell (See Chart A)	#2
-30	Socket, 3-Level Wire Wrap	Gold Collet/Tin Shell (See Chart A)	#2
-31	Socket, 3-Level Wire Wrap	Gold Collet/Gold Shell (See Chart A)	#2
-40	Header, Post Solder Tail	200 Microinches Tin over 100 Microinches Nickel	#3
-41	Header, Post Solder Tail	10 Microinches Gold over 100 Microinches Nickel	#3

Certain of the Aries products shown herein are covered by U.S. and Foreign patents and/or pending patent applications.

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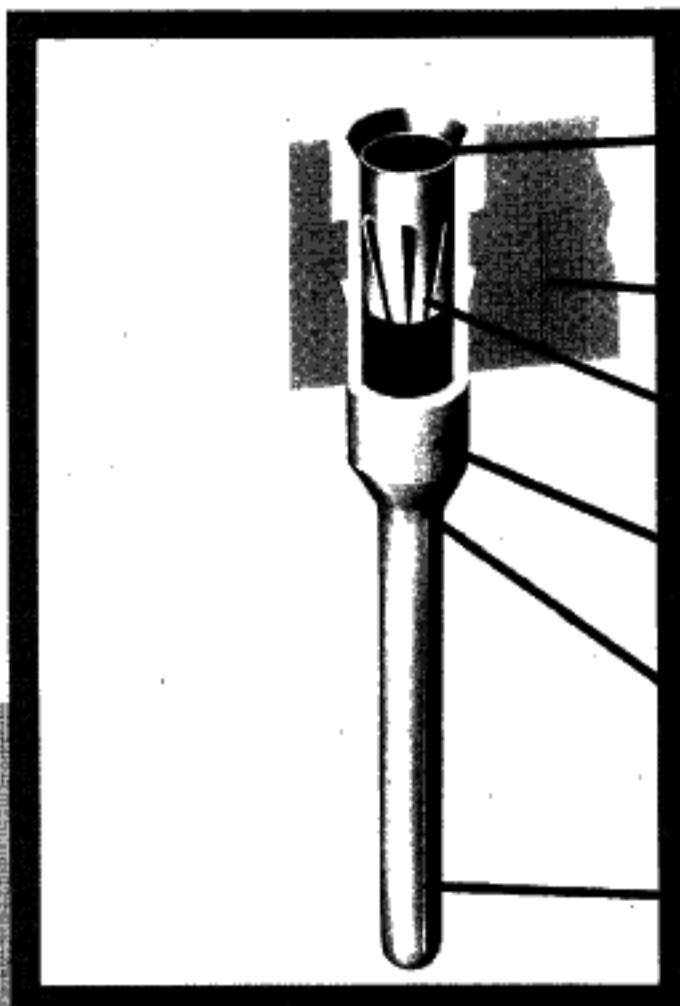
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ARIES COLLET CONTACT PINS

These high quality, high performance-to-cost ratio contacts use gold plated beryllium copper contacts within a brass socket body available either tin or gold plated. Collet contacts accept .015-.022 dia. round leads.

- Superior insertion-to-withdrawal ratios and low insertion force type for high pin count devices.
- Six point contact redundancy and gold plated spring clip contacts provide excellent mechanical and electrical performance.
- Collet contacts accept long or short leads.
- Machined from solid bar stock with closed bottom which prevents solder wicking.
- Socket body of glass filled thermoplastic or glass epoxy.



Wide tapered entry for easy insertion

Housing available glass epoxy or molded

Six fingered inner contact for low insertion force

Precision screw machine sleeve

Closed bottom prevents wicking

Solder tail or wire wrap termination pin

SKETCH 1



SKETCH 2



SKETCH 3



Plating: Table gives plating specifications by Termination Type and suffix Part Numbering of products using collet style pins.

Termination Type	Part No. Suffix	Specifications
Solder Tail	-10T	Contact: 100 μ (2,54 μ m) tin minimum per MIL-T-10727 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 200 μ (5,08 μ m) tin per MIL-T-10727 over 100 μ (2,54 μ m) nickel per QQN-290.
	-10	Contact: 10 μ (0,254 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 200 μ (5,08 μ m) tin per MIL-T-10727 over 100 μ (2,54 μ m) nickel per QQN-290.
	-10H	Contact: 30 μ (0,76 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 200 μ (5,08 μ m) tin per MIL-T-10727 over 100 μ (2,54 μ m) nickel per QQN-290.
	-11	Contact: 10 μ (0,254 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 10 μ (0,254 μ m) gold minimum per MIL-G-45204 over 100 μ (2,54 μ m) nickel per QQN-290.
	-11H	Contact: 30 μ (0,76 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 10 μ (0,254 μ m) gold minimum per MIL-G-45204 over 100 μ (2,54 μ m) nickel per QQN-290.
Wire Wrap	-30	Contact: 30 μ (0,76 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 200 μ (5,08 μ m) tin per MIL-T-10727 over 100 μ (2,54 μ m) nickel per QQN-290.
	-20	Contact: 30 μ (0,76 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 10 μ (0,254 μ m) gold minimum per MIL-G-45204 over 100 μ (2,54 μ m) nickel per QQN-290.
	-21	Contact: 30 μ (0,76 μ m) gold minimum per MIL-G-45204 over 50 μ (1,27 μ m) nickel per QQN-290. Body: 10 μ (0,254 μ m) gold minimum per MIL-G-45204 over 100 μ (2,54 μ m) nickel per QQN-290.

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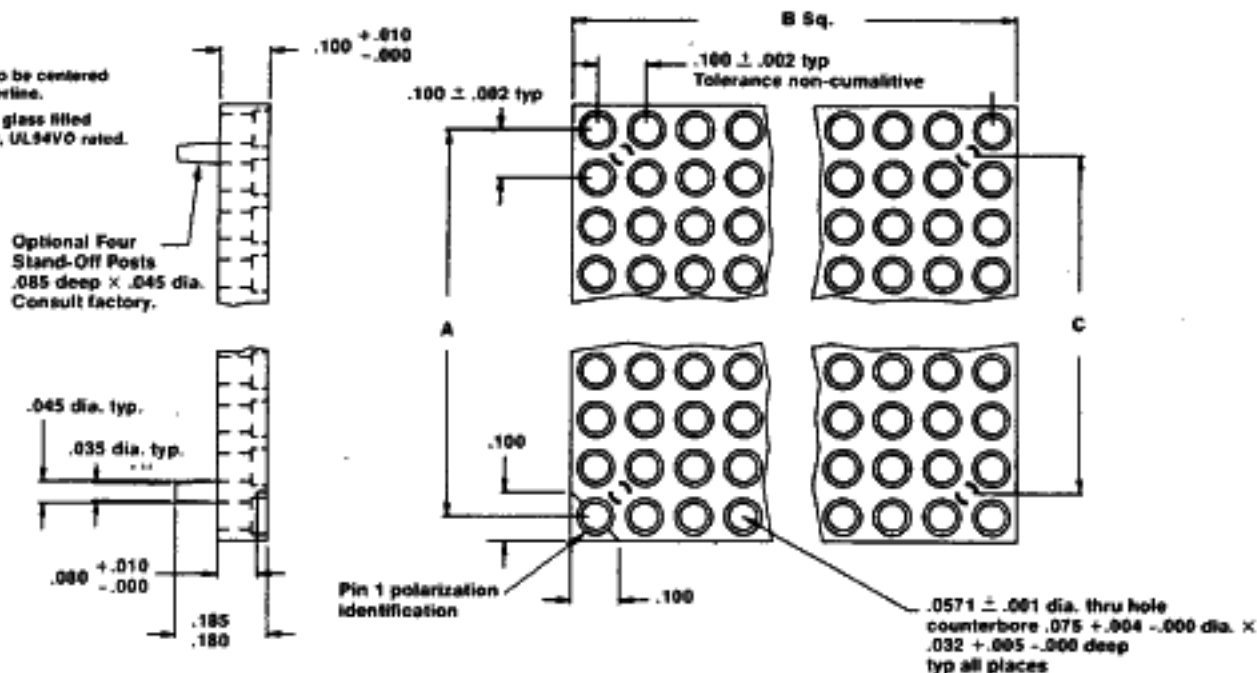
3

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NOTES:

1. All ctr dimensions are to be centered within .002 of true centerline.
2. Material is to be black, glass filled thermoplastic polyester, UL94VO rated.



DIMENSIONS (Inches)

HOUSING SIZE	A ± .002	B +.000 -.005*	C = A -.100 ± .005
9 × 9	.800	.900	.700
10 × 10	.900	1.000	.800
11 × 11	1.000	1.100	.900
12 × 12	1.100	1.200	1.000
13 × 13	1.200	1.300	1.100
14 × 14	1.300	1.400	1.200
15 × 15	1.400	1.500	1.300
16 × 16	1.500	1.600	1.400
17 × 17	1.600	1.700	1.500
18 × 18	1.700	1.800	1.600
19 × 19	1.800	1.900	1.700
20 × 20	1.900	2.000	1.800
21 × 21	2.000	2.100	1.900

*Non-Cumulative

Consult factory for grids not listed. Grids such as 3 × 3 thru 8 × 8 can be achieved using glass epoxy housings (PGG version).

PIN GRID PLASTIC

Specifications

- Injection molded, glass reinforced thermoplastic polyester UL94VO rated. Other engineered resins available. Consult factory.
- All footprints on industry standard .100" × .100" grid.
- Color - black.
- Platform is precision molded with extremely tight tolerances on all dimensions.
- Dimensions of plastic platform allow side-to-side stacking on .100" grid. (This is important for dense packaging of p.c. boards.)
- Pin 1 identified by chamfered corner.



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All footprints are topview.

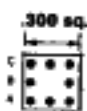
FOOTPRINTS

3x3



9 PINS

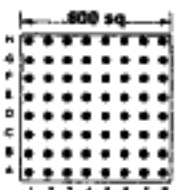
Footprint 03001



9 PINS

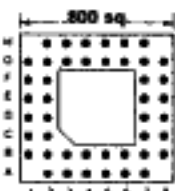
Footprint 03002

8x8



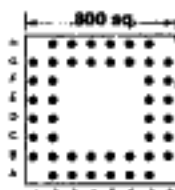
64 PINS

Footprint 08001



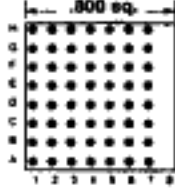
44 PINS

Footprint 08002



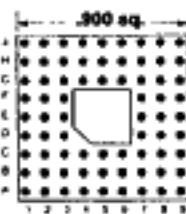
44 PINS

Footprint 08003



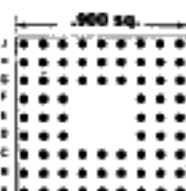
56 PINS

Footprint 08004



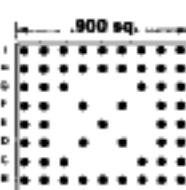
72 PINS

Footprint 09003



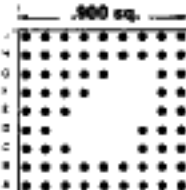
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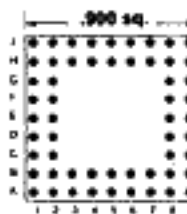
65 PINS

Footprint 09005



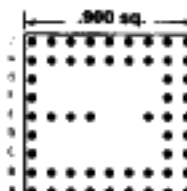
65 PINS

Footprint 09006



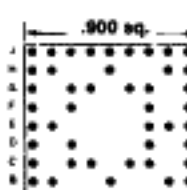
56 PINS

Footprint 09009



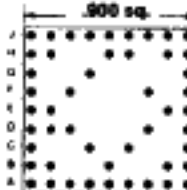
55 PINS

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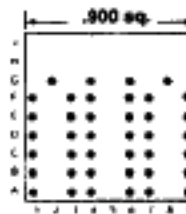
53 PINS

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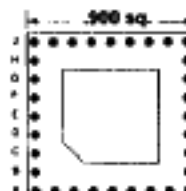
49 PINS

Footprint 09012



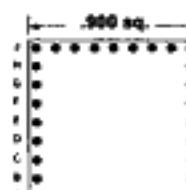
40 PINS

Footprint 09015



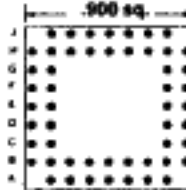
32 PINS

Footprint 09016



32 PINS

Footprint 09017



52 PINS

Footprint 09018

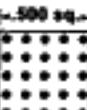
4x4



16 PINS

Footprint 04001

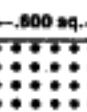
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25 PINS

Footprint 05001

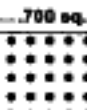
6x6



36 PINS

Footprint 06001

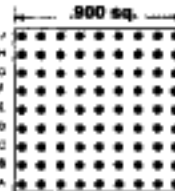
7x7



49 PINS

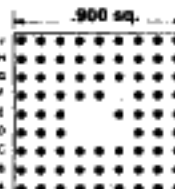
Footprint 07001

9x9



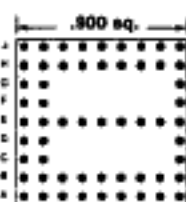
81 PINS

Footprint 09001



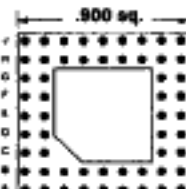
75 PINS

Footprint 09002



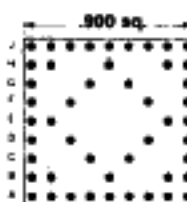
67 PINS

Footprint 09007



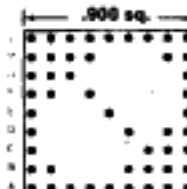
56 PINS

Footprint 09008



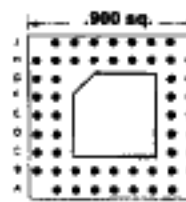
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Footprint 09013



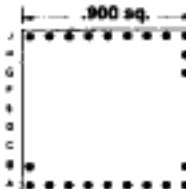
40 PINS

Footprint 09014



52 PINS

Footprint 09019



22 PINS

Footprint 09020

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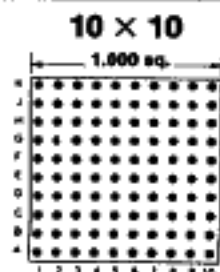
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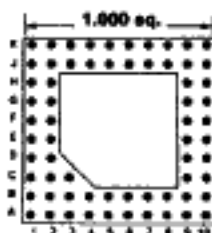
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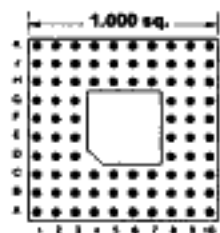
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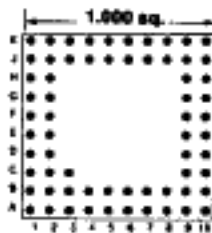
100 PINS
Footprint 10001



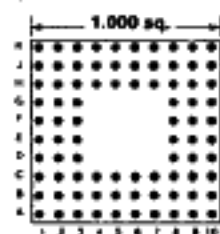
65 PINS
Footprint 10007



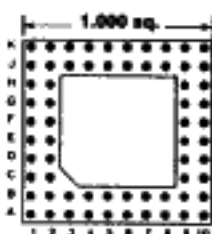
84 PINS
Footprint 10002



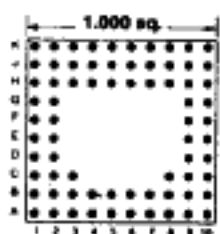
85 PINS
Footprint 10008



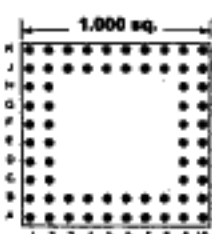
84 PINS
Footprint 10003



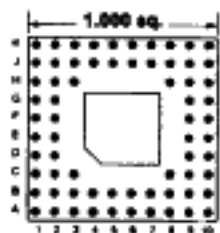
84 PINS
Footprint 10009



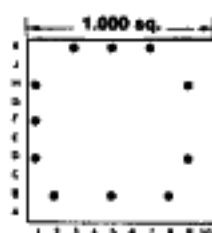
72 PINS
Footprint 10004



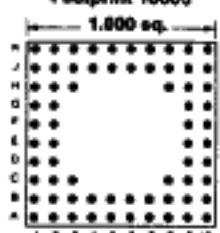
84 PINS
Footprint 10010



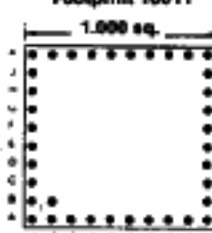
88 PINS
Footprint 10005



11 PINS
Footprint 10011

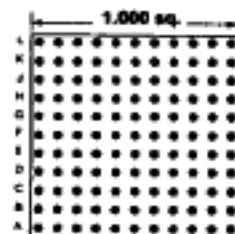


68 PINS
Footprint 10006

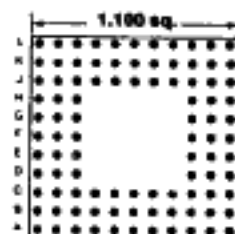


37 PINS
Footprint 10012

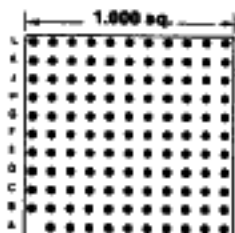
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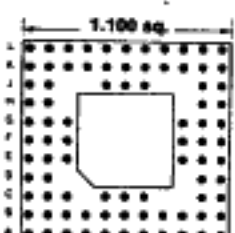
121 PINS
Footprint 11001



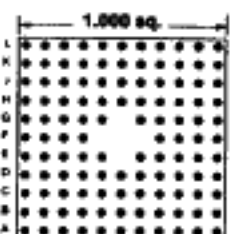
96 PINS
Footprint 11006



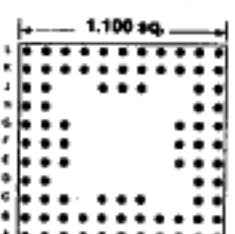
120 PINS
Footprint 11002



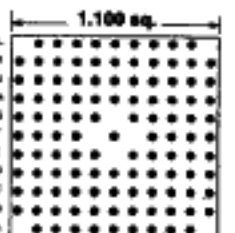
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Footprint 11007



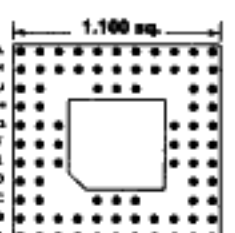
116 PINS
Footprint 11003



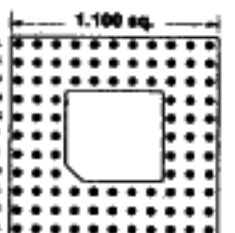
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Footprint 11008



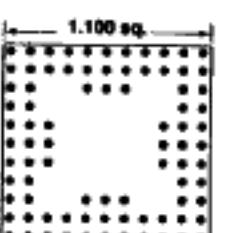
113 PINS
Footprint 11004



84 PINS
Footprint 11009



98 PINS
Footprint 11005



84 PINS
Footprint 11010



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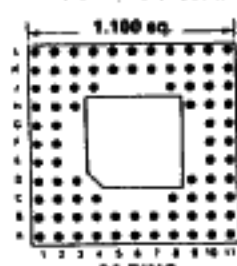


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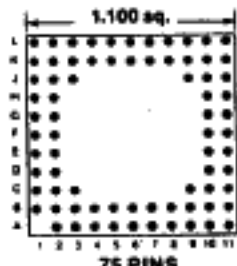
FOOTPRINTS

11 x 11 cont.



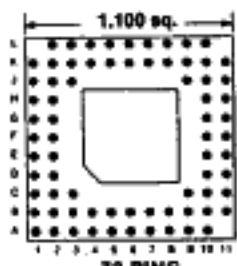
84 PINS

Footprint 11011



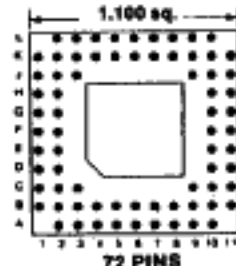
75 PINS

Footprint 11016



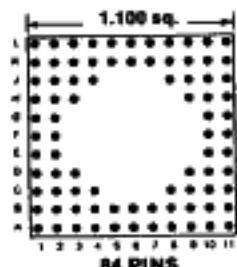
73 PINS

Footprint 11021



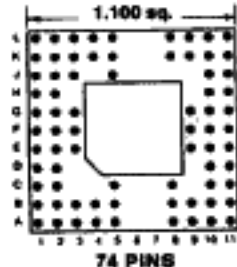
72 PINS

Footprint 11026



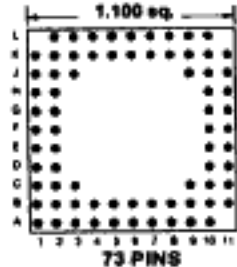
84 PINS

Footprint 11012



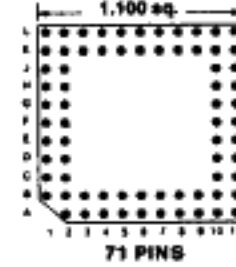
74 PINS

Footprint 11017



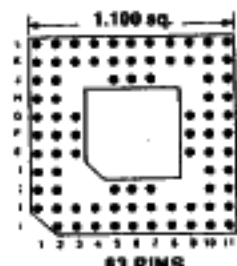
73 PINS

Footprint 11022



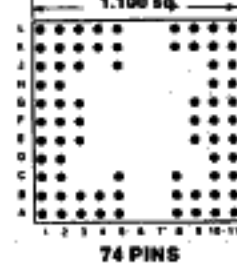
71 PINS

Footprint 11027



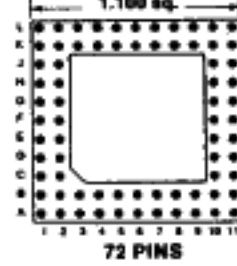
83 PINS

Footprint 11013



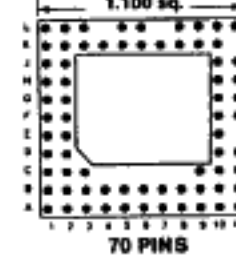
74 PINS

Footprint 11018



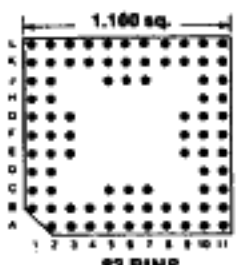
72 PINS

Footprint 11023



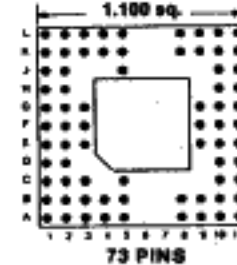
70 PINS

Footprint 11028



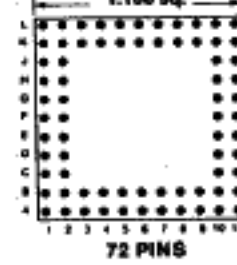
83 PINS

Footprint 11014



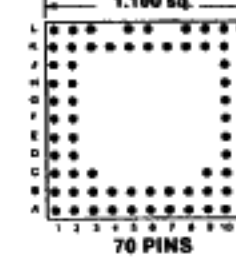
73 PINS

Footprint 11019



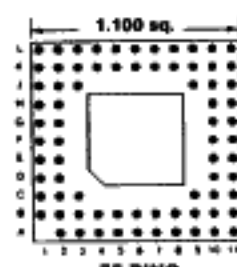
72 PINS

Footprint 11024



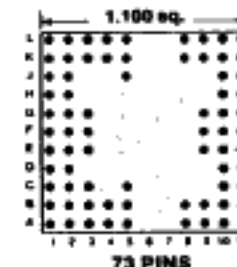
70 PINS

Footprint 11029



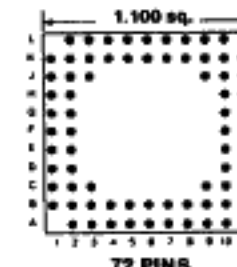
75 PINS

Footprint 11015



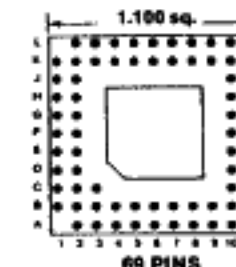
73 PINS

Footprint 11020



72 PINS

Footprint 11025



69 PINS

Footprint 11030

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Milton Keynes, England MK19 6AQ
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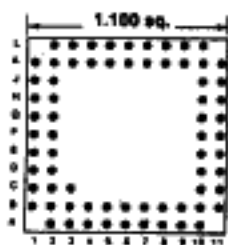
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Frenchtown, NJ 08825
Phone 1-908-996-6841
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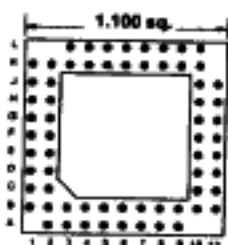
All footprints are topview.

11 x 11 cont.



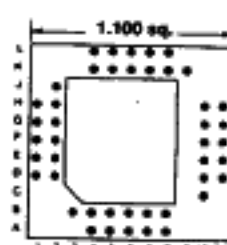
89 PINS

Footprint 11031



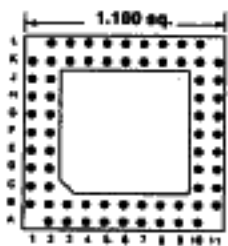
88 PINS

Footprint 11036



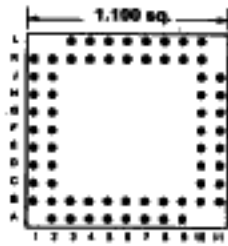
44 PINS

Footprint 11041



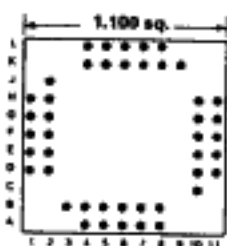
88 PINS

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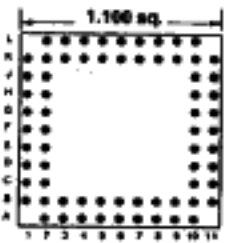
65 PINS

Footprint 11037



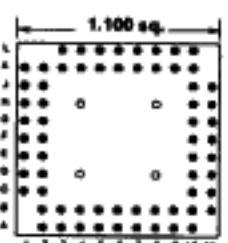
44 PINS

Footprint 11042



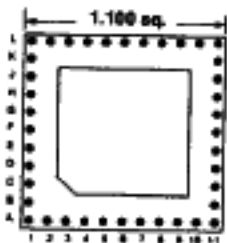
88 PINS

Footprint 11033



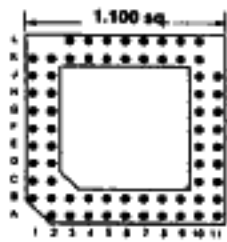
65 PINS

Footprint 11038



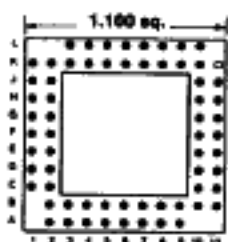
40 PINS

Footprint 11043



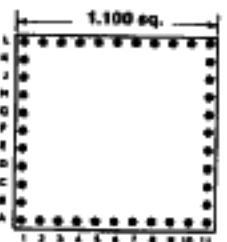
87 PINS

Footprint 11034



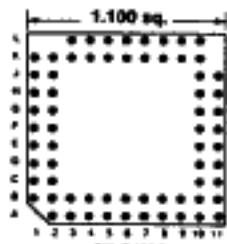
64 PINS

Footprint 11039



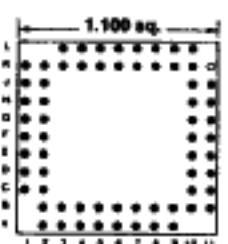
40 PINS

Footprint 11044



87 PINS

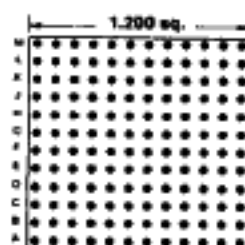
Footprint 11035



64 PINS

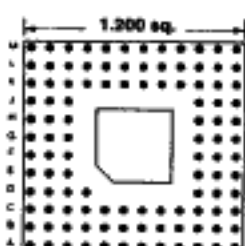
Footprint 11040

12 x 12



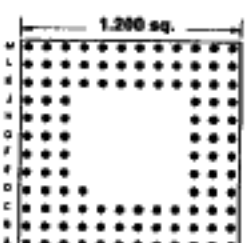
144 PINS

Footprint 12001



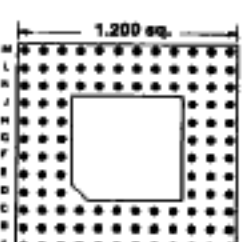
109 PINS

Footprint 12002



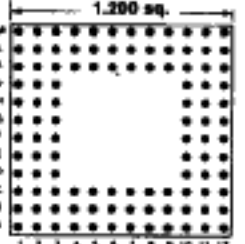
109 PINS

Footprint 12003



108 PINS

Footprint 12004



108 PINS

Footprint 12005

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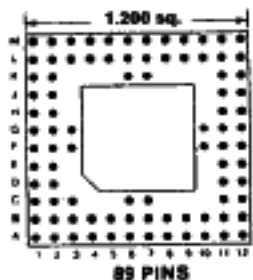
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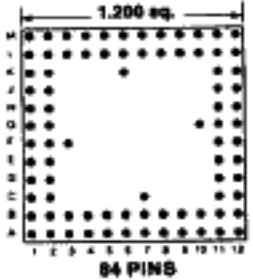
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Fax: +44-908-260008

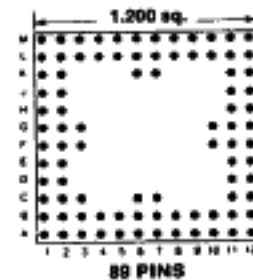
12 x 12 cont.



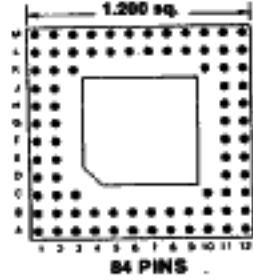
89 PINS
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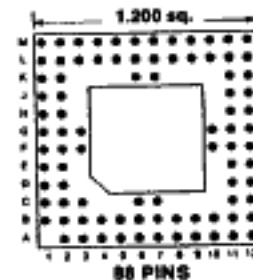
84 PINS
Footprint 12011



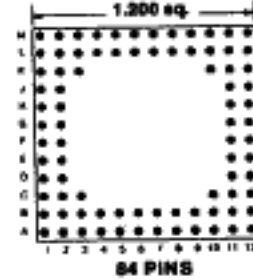
89 PINS
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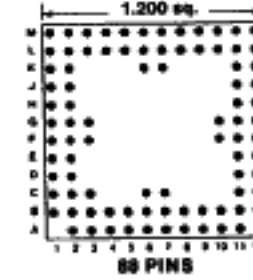
84 PINS
Footprint 12012



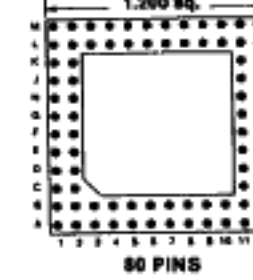
88 PINS
Footprint 12008



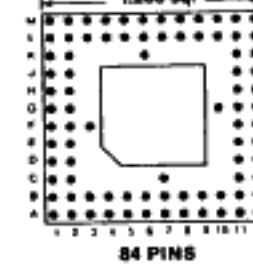
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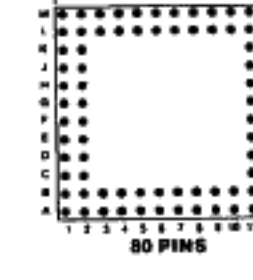
88 PINS
Footprint 12009



80 PINS
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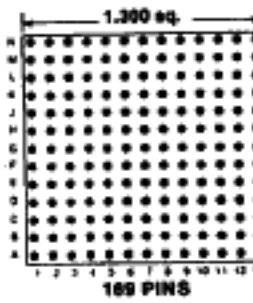


84 PINS
Footprint 12010

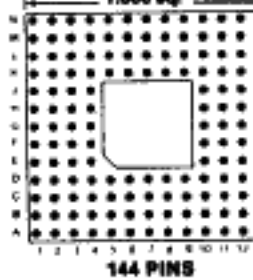


80 PINS
Footprint 12015

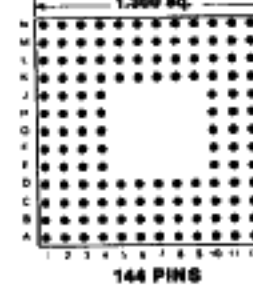
13 x 13



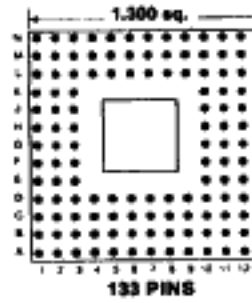
169 PINS
Footprint 13001



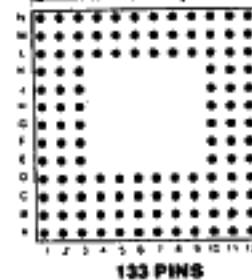
144 PINS
Footprint 13002



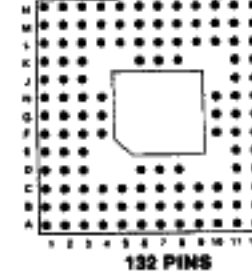
144 PINS
Footprint 13003



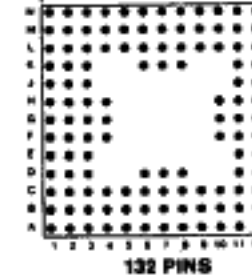
133 PINS
Footprint 13004



133 PINS
Footprint 13005



132 PINS
Footprint 13006



132 PINS
Footprint 13007



124 PINS
Footprint 13008

FOOTPRINTS

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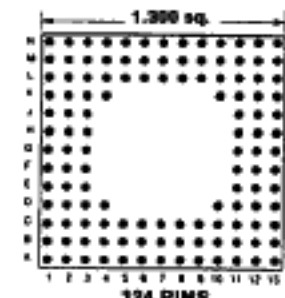
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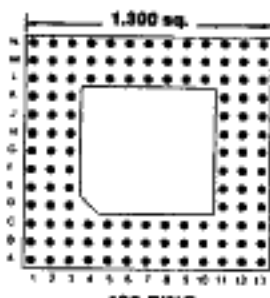
13 x 13 cont.

All footprints are topview.



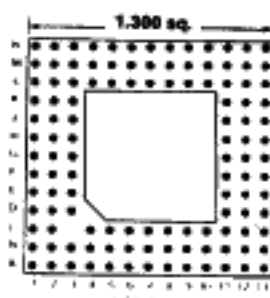
124 PINS

Footprint 13009



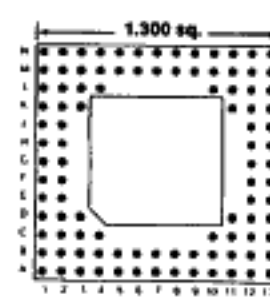
120 PINS

Footprint 13014



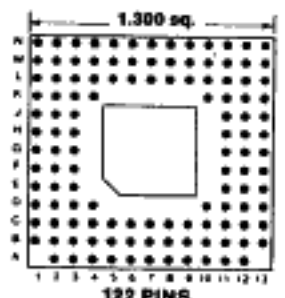
119 PINS

Footprint 13019



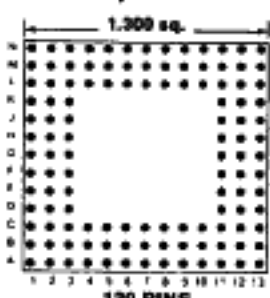
100 PINS

Footprint 13024



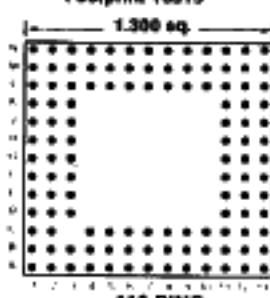
122 PINS

Footprint 13010



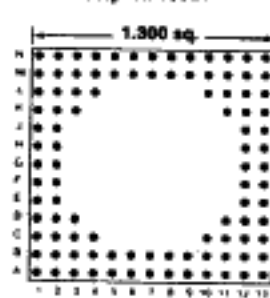
120 PINS

Footprint 13015



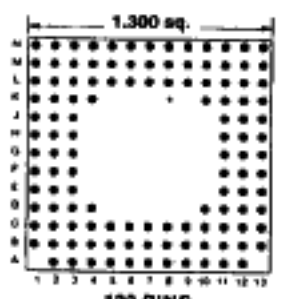
119 PINS

Footprint 13020



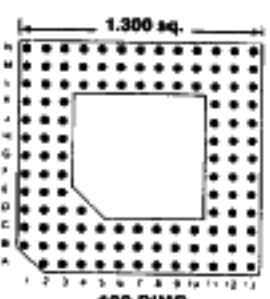
100 PINS

Footprint 13025



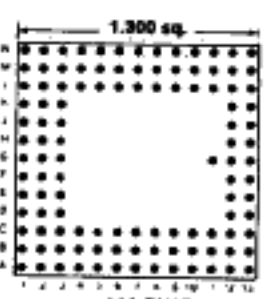
122 PINS

Footprint 13011



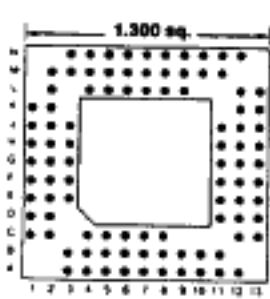
120 PINS

Footprint 13016



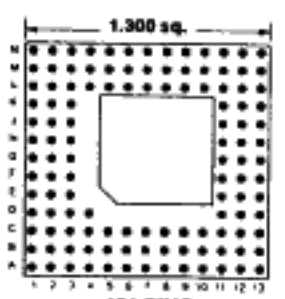
114 PINS

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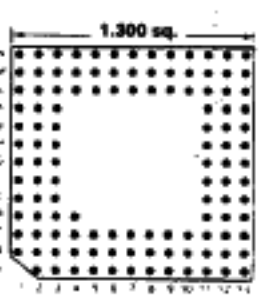
96 PINS

Footprint 13026



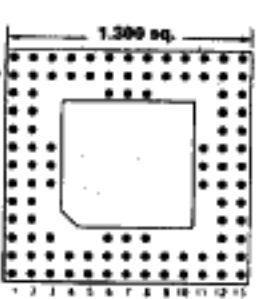
121 PINS

Footprint 13012



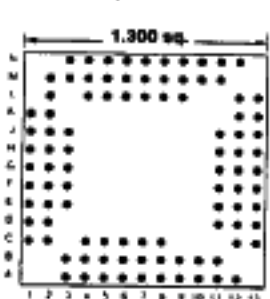
120 PINS

Footprint 13017



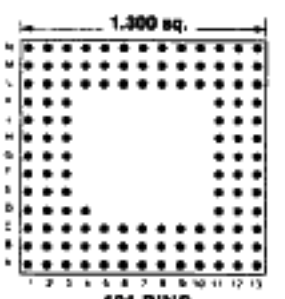
101 PINS

Footprint 13022



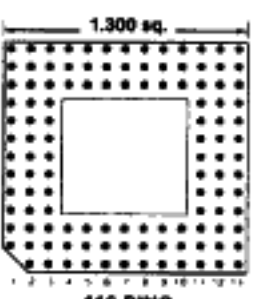
96 PINS

Footprint 13027



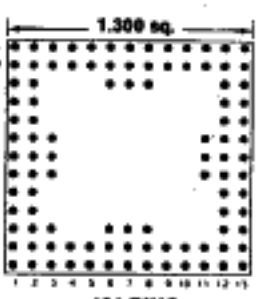
121 PINS

Footprint 13013



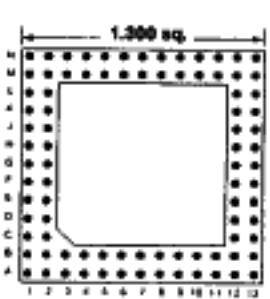
119 PINS

Footprint 13018



101 PINS

Footprint 13023



88 PINS

Footprint 13028



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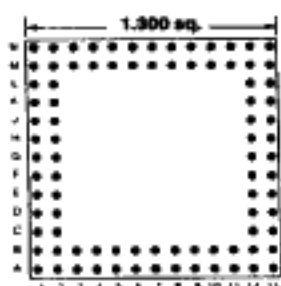


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13 x 13 cont.

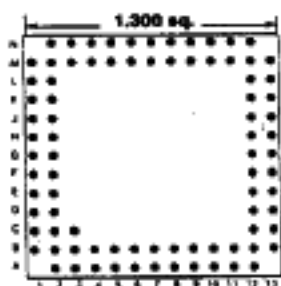
All footprints are topview.

FOOTPRINTS



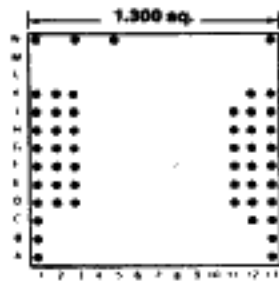
88 PINS

Footprint 13029



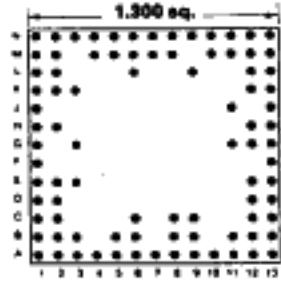
85 PINS

Footprint 13033



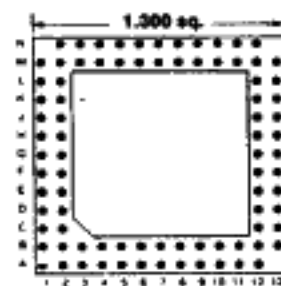
52 PINS

Footprint 13037



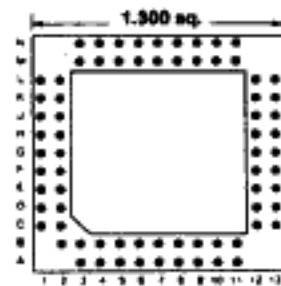
88 PINS

Footprint 13041



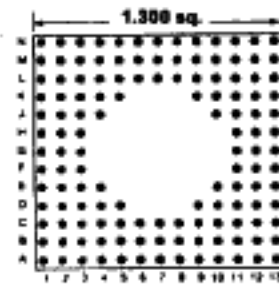
85 PINS

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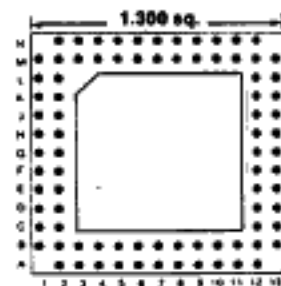
73 PINS

Footprint 13034



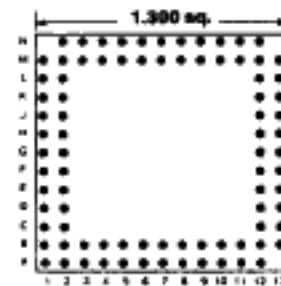
132 PINS

Footprint 13038



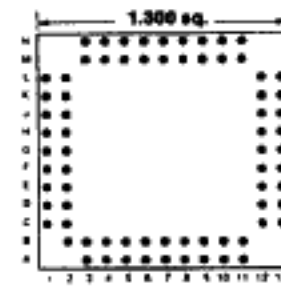
84 PINS

Footprint 13042



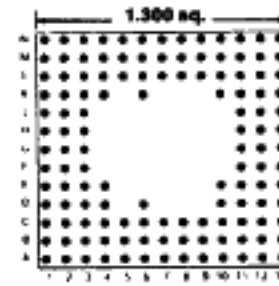
85 PINS

Footprint 13031



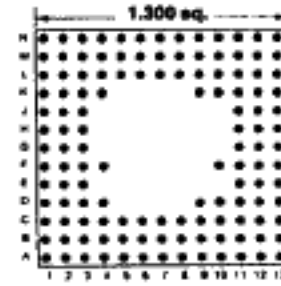
73 PINS

Footprint 13035



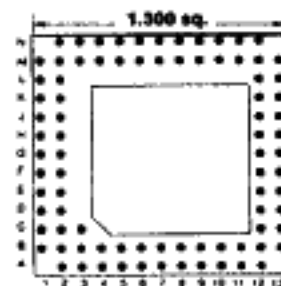
128 PINS

Footprint 13039



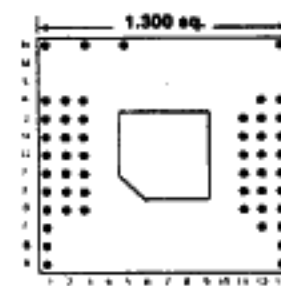
128 PINS

Footprint 13043



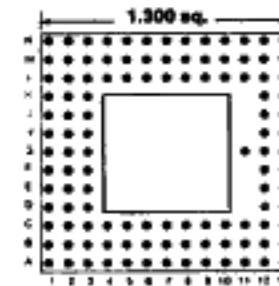
85 PINS

Footprint 13032



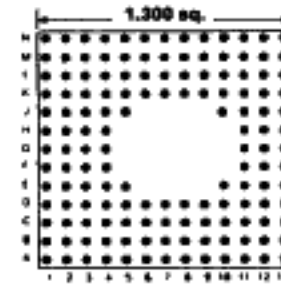
52 PINS

Footprint 13036



114 PINS

Footprint 13040



143 PINS

Footprint 13044

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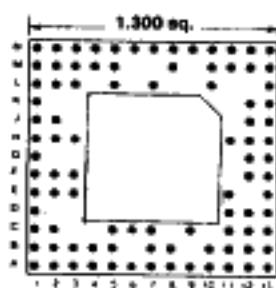
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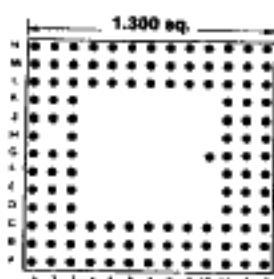
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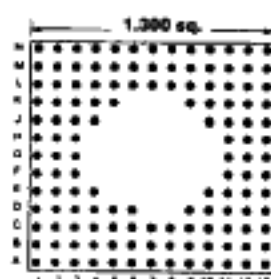
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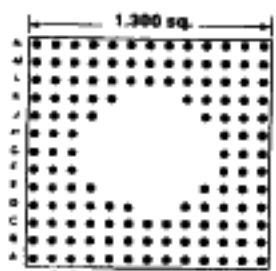
93 PINS
Footprint 13045



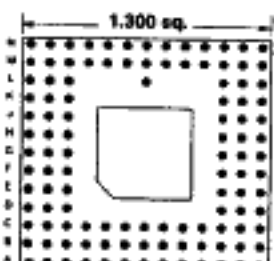
113 PINS
Footprint 13050



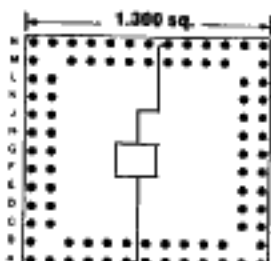
133 PINS
Footprint 13055



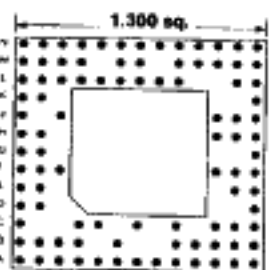
133 PINS
Footprint 13046



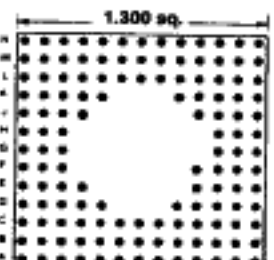
114 PINS
Footprint 13051



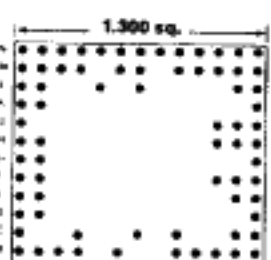
84 PINS
Footprint 13056



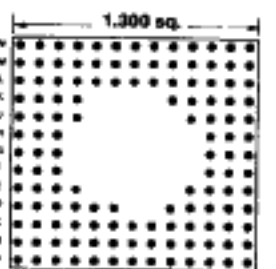
95 PINS
Footprint 13047



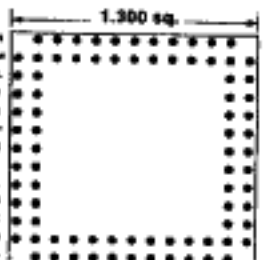
133 PINS
Footprint 13052



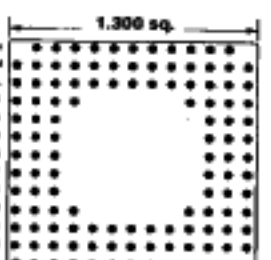
88 PINS
Footprint 13057



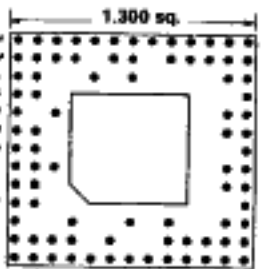
133 PINS
Footprint 13048



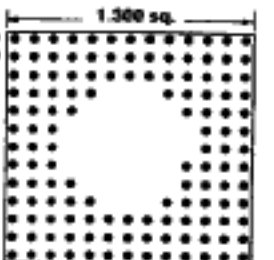
84 PINS
Footprint 13053



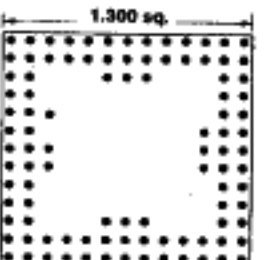
121 PINS
Footprint 13058



88 PINS
Footprint 13049



133 PINS
Footprint 13054



160 PINS
Footprint 13059



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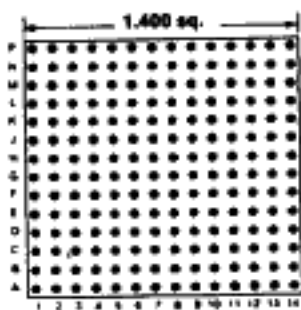
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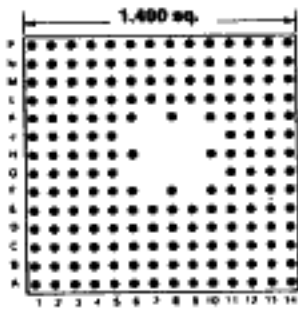
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14 x 14

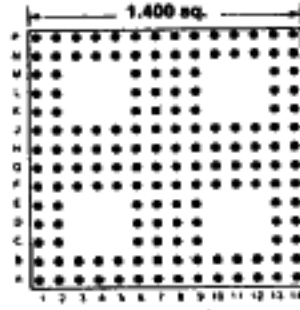
All footprints are 1400 sq.



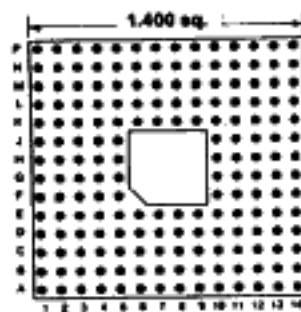
196 PINS
Footprint 14001



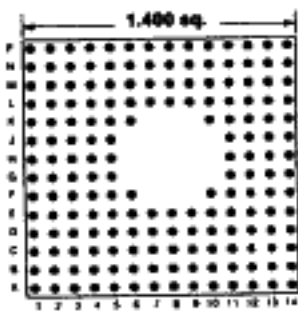
179 PINS
Footprint 14005



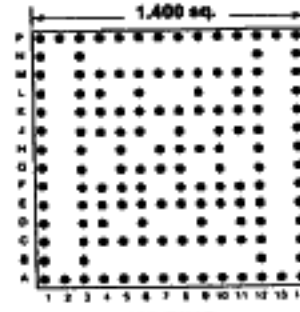
160 PINS
Footprint 14009



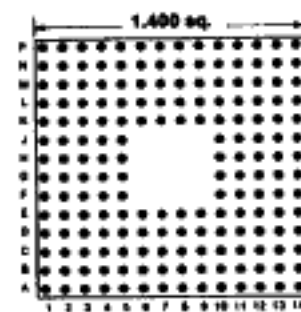
180 PINS
Footprint 14002



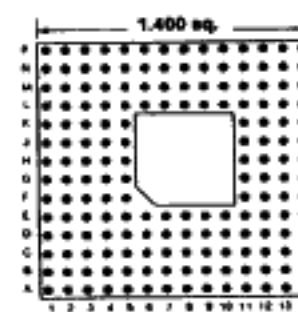
175 PINS
Footprint 14006



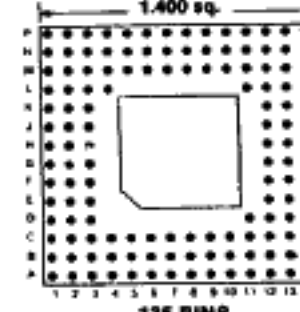
139 PINS
Footprint 14010



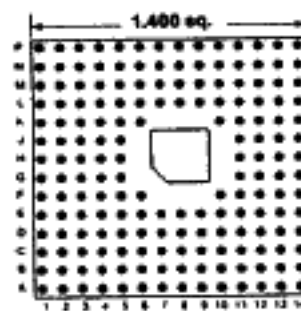
188 PINS
Footprint 14003



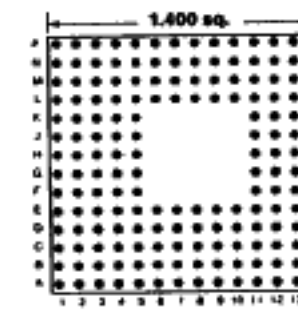
171 PINS
Footprint 14007



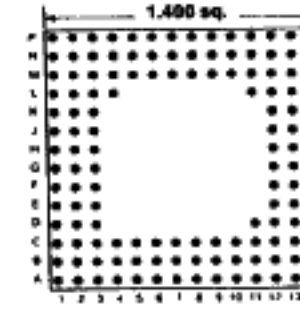
135 PINS
Footprint 14011



175 PINS
Footprint 14004



171 PINS
Footprint 14008



135 PINS
Footprint 14012

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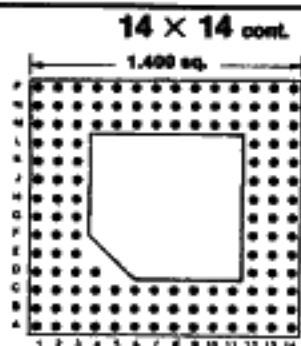
13

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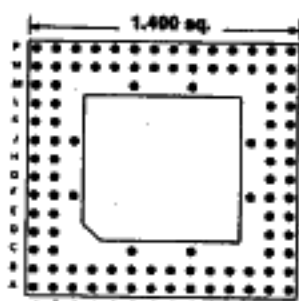
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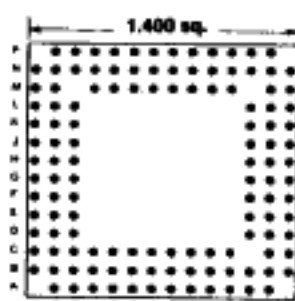
All footprints are topview.



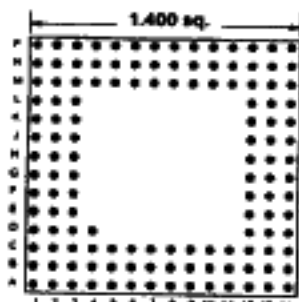
133 PINS
Footprint 14013



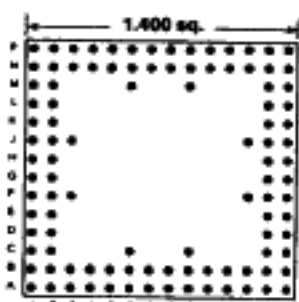
104 PINS
Footprint 14017



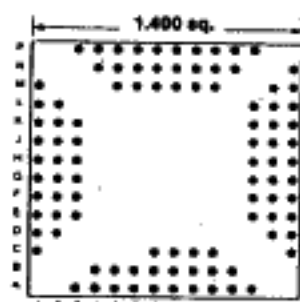
125 PINS
Footprint 14021



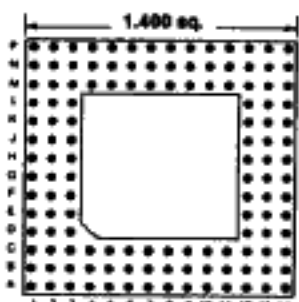
133 PINS
Footprint 14014



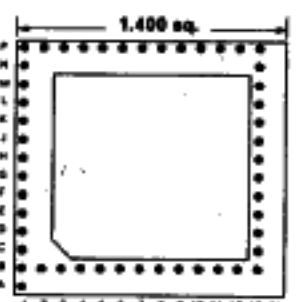
104 PINS
Footprint 14018



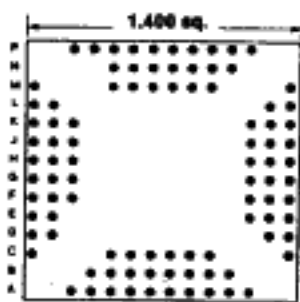
94 PINS
Footprint 14022



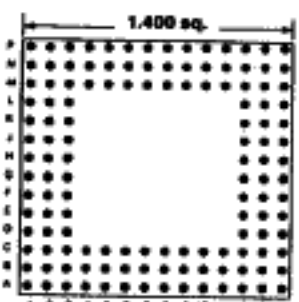
132 PINS
Footprint 14015



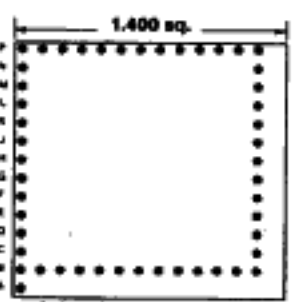
49 PINS
Footprint 14019



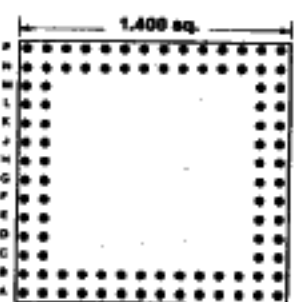
94 PINS
Footprint 14023



132 PINS
Footprint 14016



49 PINS
Footprint 14020



96 PINS
Footprint 14024

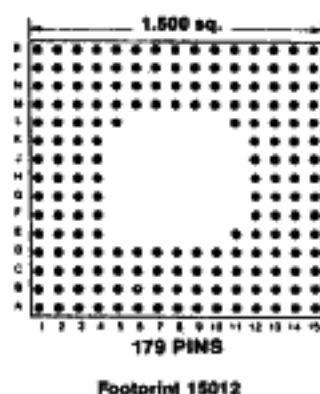
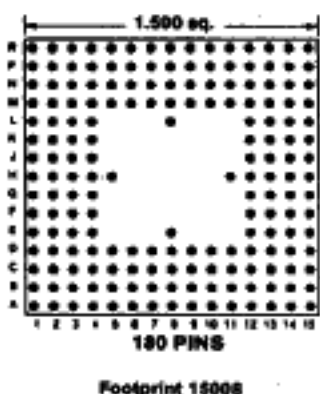
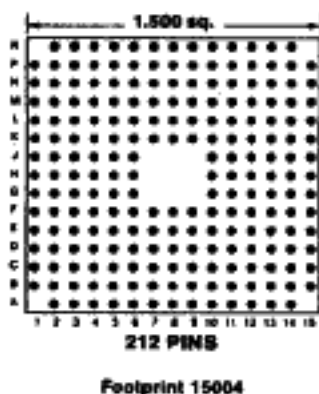
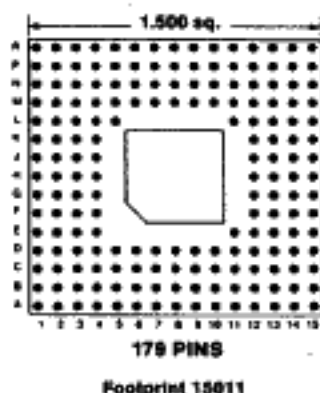
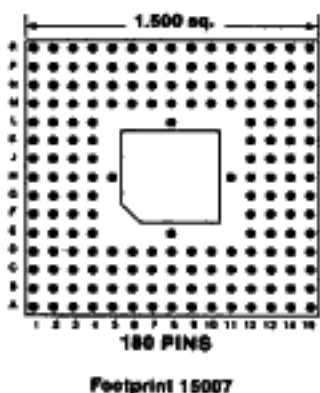
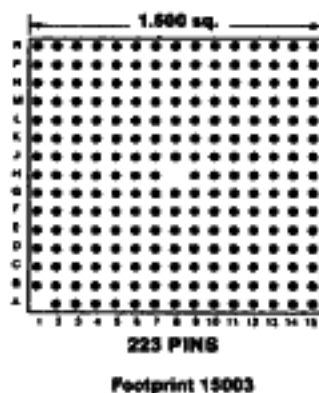
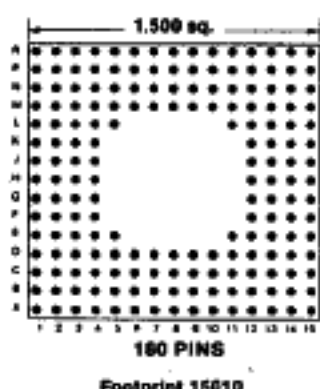
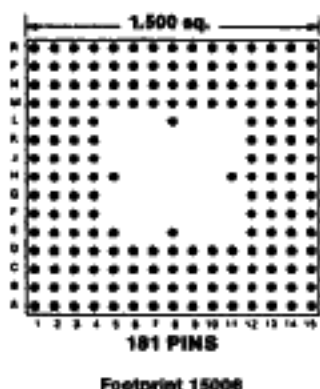
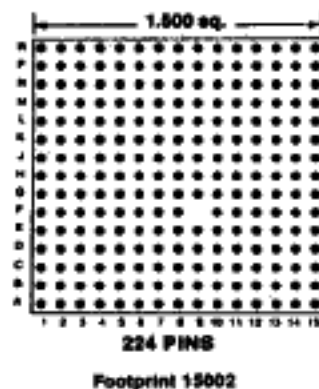
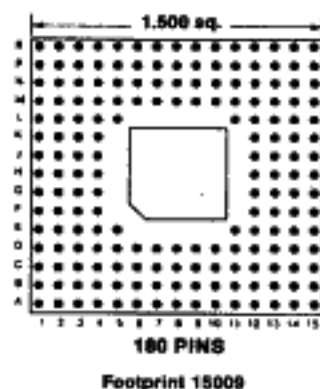
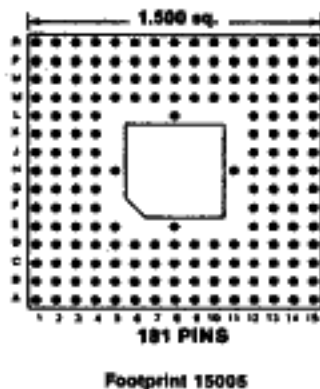
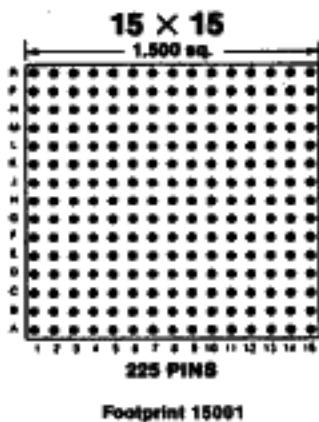


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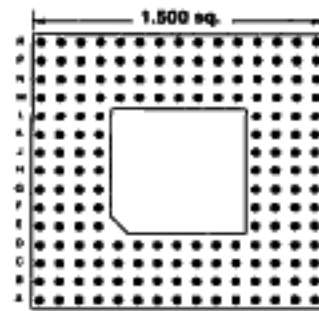
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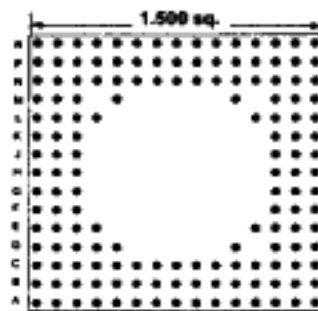
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All footprints are topview.

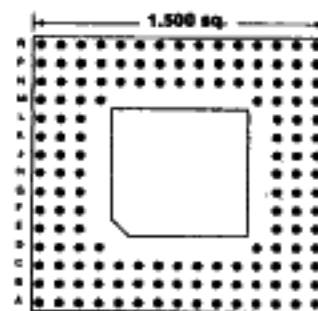
15 x 15 cont.



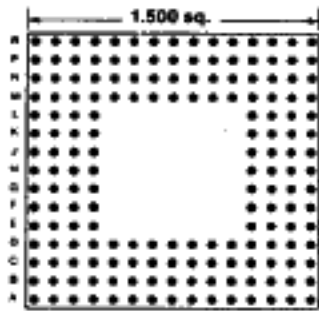
176 PINS
Footprint 15013



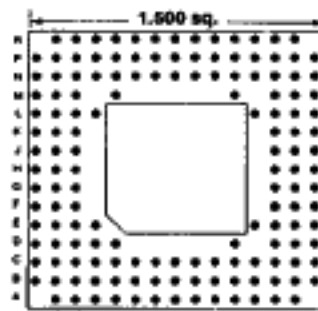
153 PINS
Footprint 15017



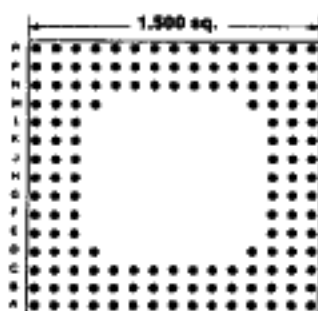
148 PINS
Footprint 15021



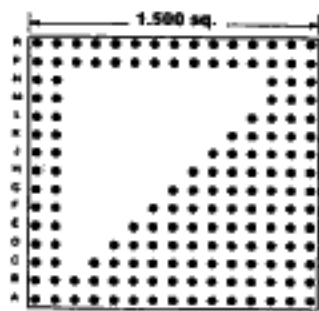
176 PINS
Footprint 15014



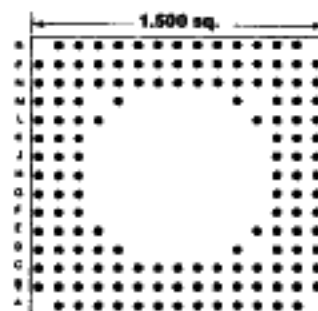
149 PINS
Footprint 15018



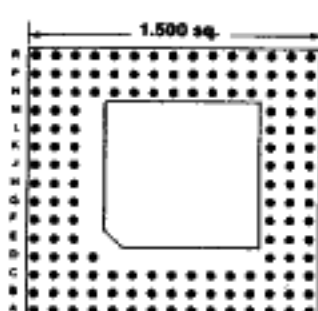
148 PINS
Footprint 15022



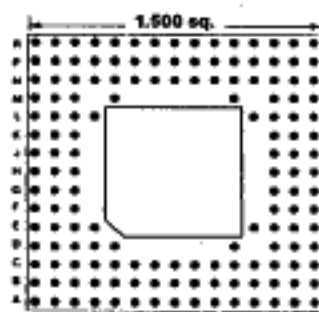
160 PINS
Footprint 15015



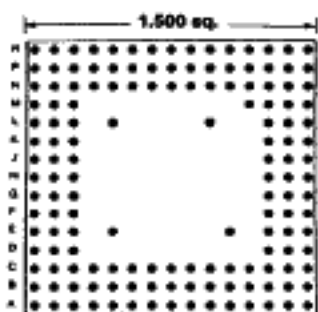
149 PINS
Footprint 15019



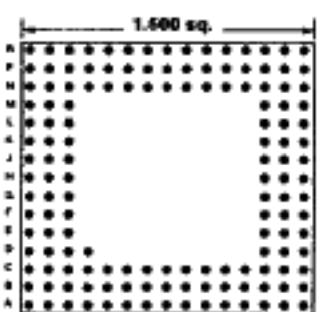
145 PINS
Footprint 15023



153 PINS
Footprint 15016



149 PINS
Footprint 15020



145 PINS
Footprint 15024



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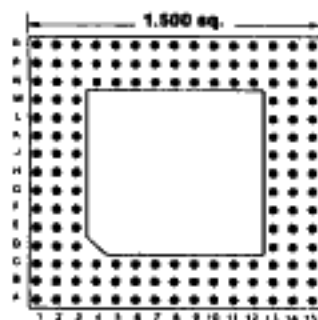


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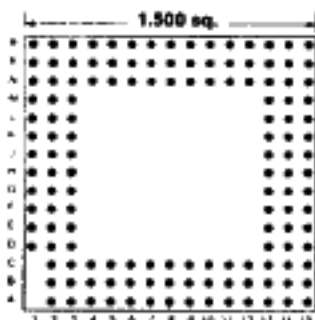
FOOTPRINTS

15 x 15 cont.



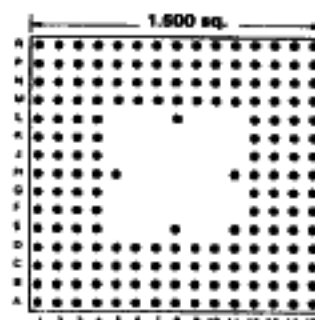
144 PINS

Footprint 15025



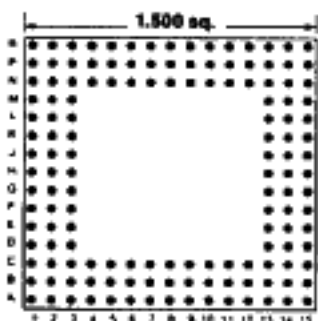
141 PINS

Footprint 15029



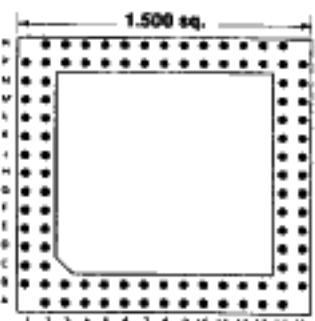
181 PINS

Footprint 15033



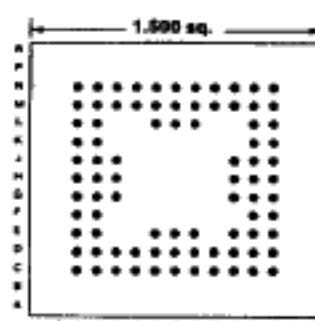
144 PINS

Footprint 15026



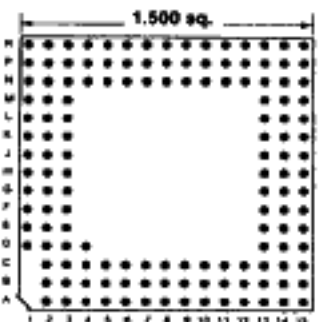
160 PINS

Footprint 15030



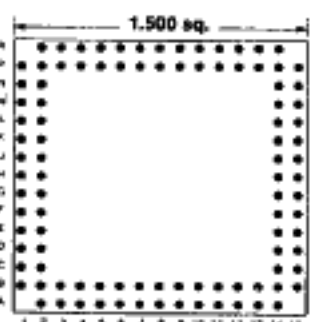
85 PINS

Footprint 15034



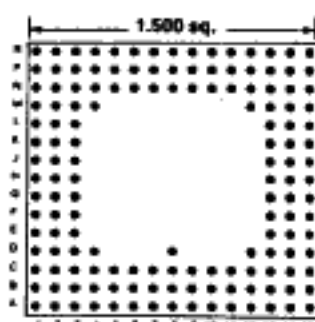
142 PINS

Footprint 15027



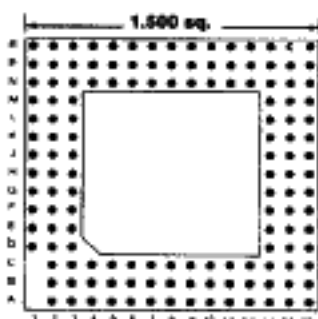
100 PINS

Footprint 15031



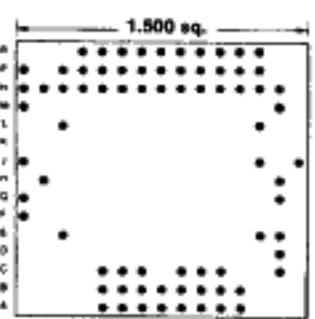
149 PINS

Footprint 15035



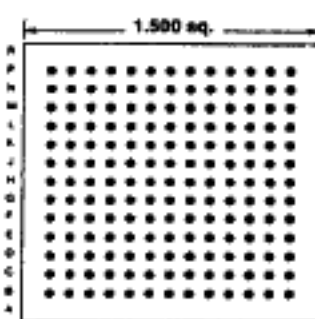
141 PINS

Footprint 15028



75 PINS

Footprint 15032



169 PINS

Footprint 15036

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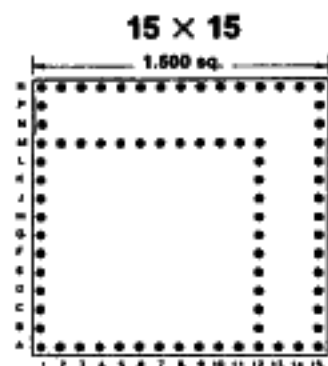
17

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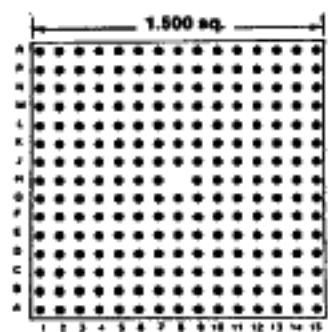
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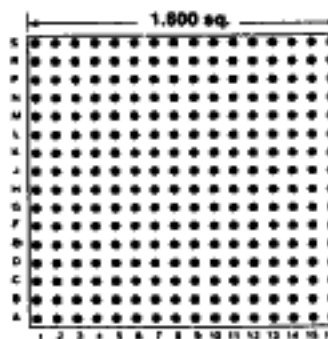


77 PINS
Footprint 15037

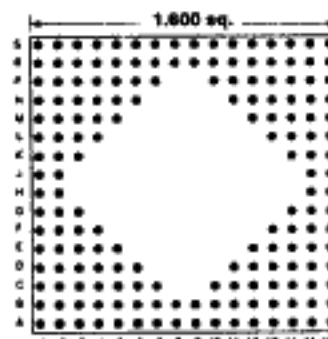


224 PINS
Footprint 15038

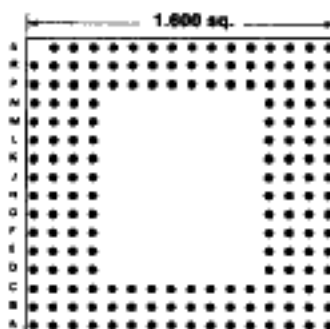
16 x 16



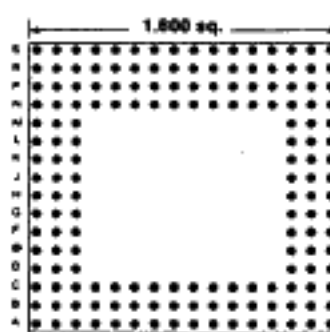
258 PINS
Footprint 18001



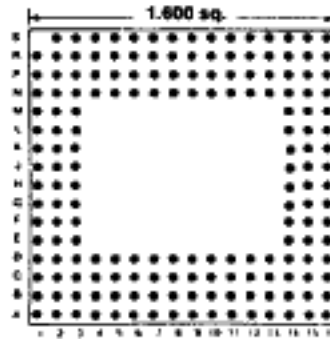
172 PINS
Footprint 16002



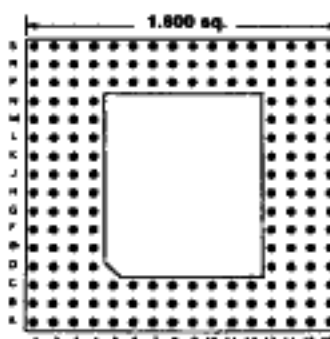
175 PINS
Footprint 16003



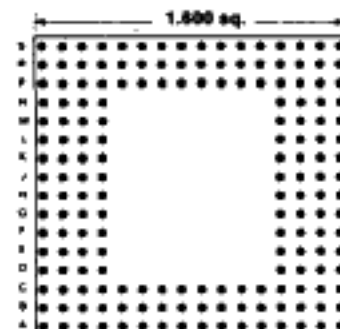
166 PINS
Footprint 16004



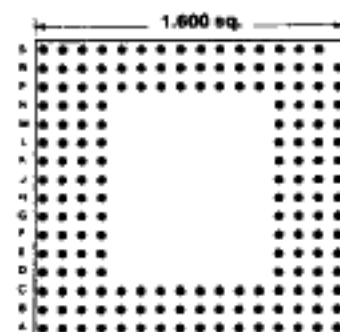
175 PINS
Footprint 16005



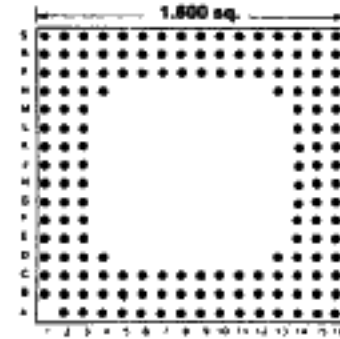
176 PINS
Footprint 16006



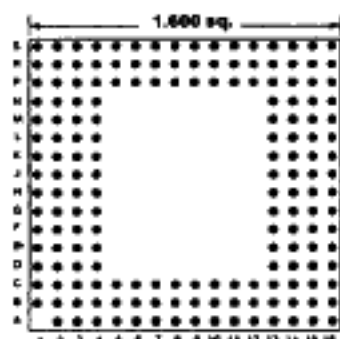
176 PINS
Footprint 16007



175 PINS
Footprint 16008



159 PINS
Footprint 16009



175 PINS
Footprint 16010



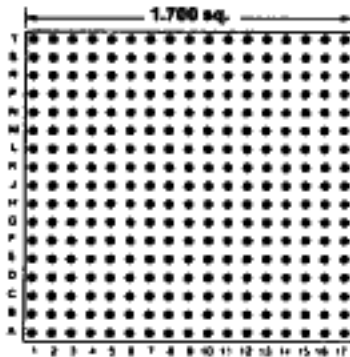
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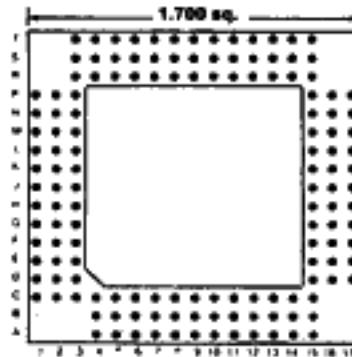


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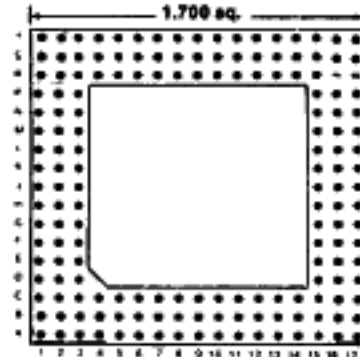
17 X 17



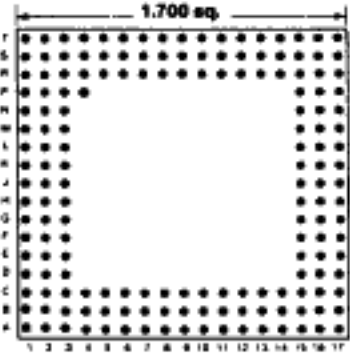
289 PINS
Footprint 17001



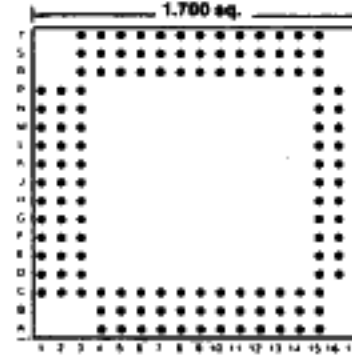
144 PINS
Footprint 17005



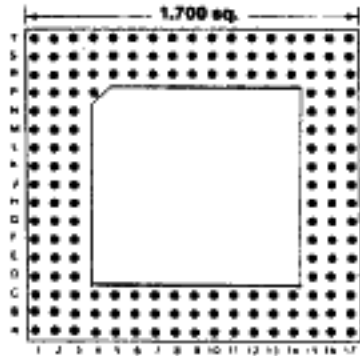
168 PINS
Footprint 17009



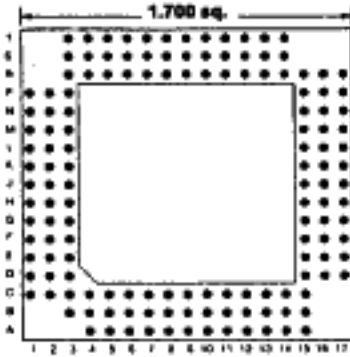
189 PINS
Footprint 17002



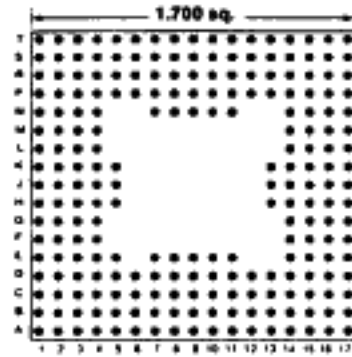
144 PINS
Footprint 17006



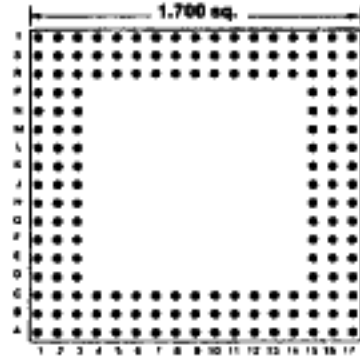
169 PINS
Footprint 17010



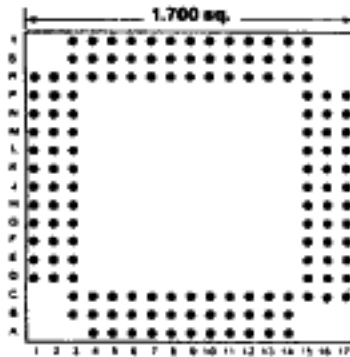
145 PINS
Footprint 17003



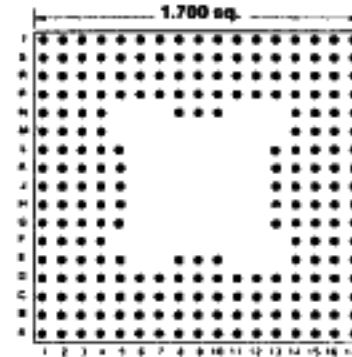
225 PINS
Footprint 17007



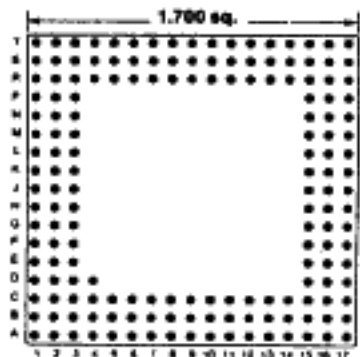
169 PINS
Footprint 17011



145 PINS
Footprint 17004



225 PINS
Footprint 17008



169 PINS
Footprint 17012

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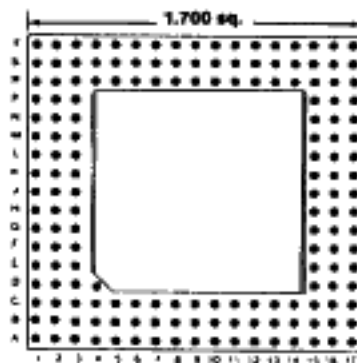
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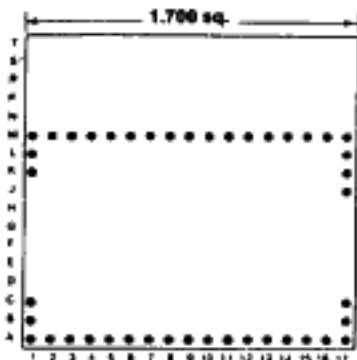
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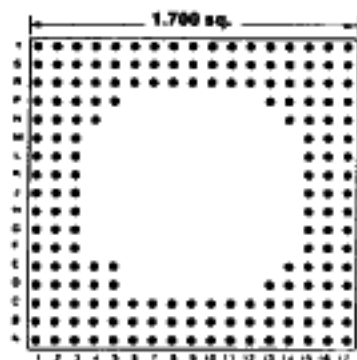
169 PINS

Footprint 17013



43 PINS

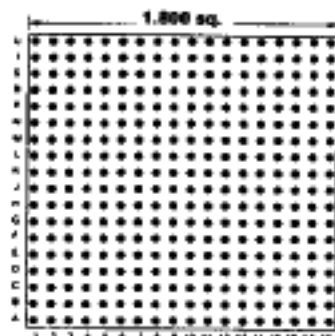
Footprint 17014



181 PINS

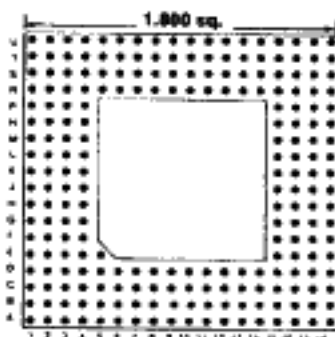
Footprint 17015

18 x 18



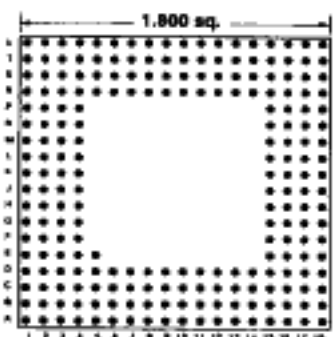
324 PINS

Footprint 18001



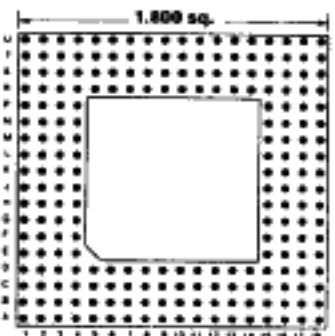
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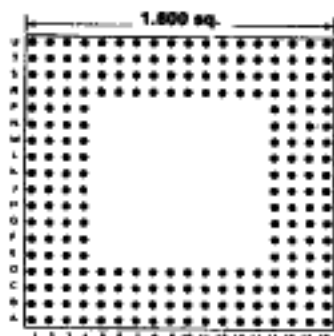
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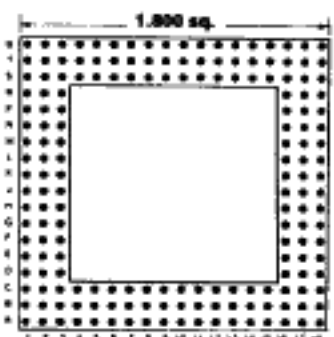
224 PINS

Footprint 18004



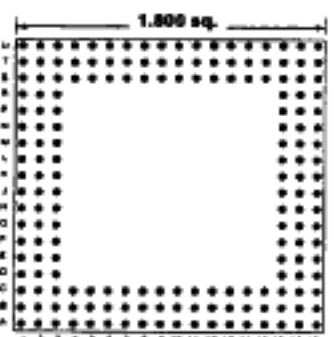
224 PINS

Footprint 18005



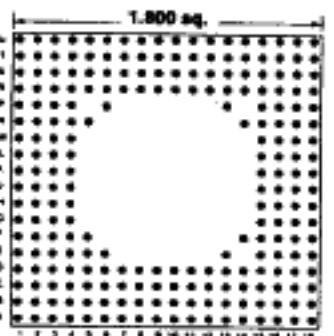
180 PINS

Footprint 18006



180 PINS

Footprint 18007



233 PINS

Footprint 18008



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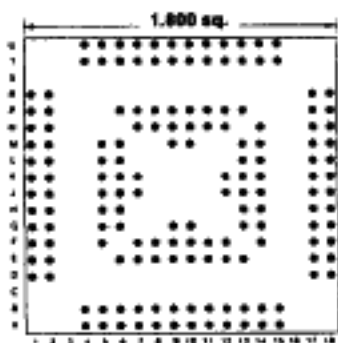
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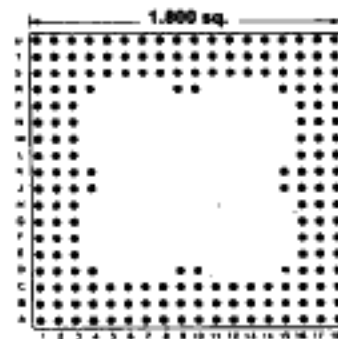
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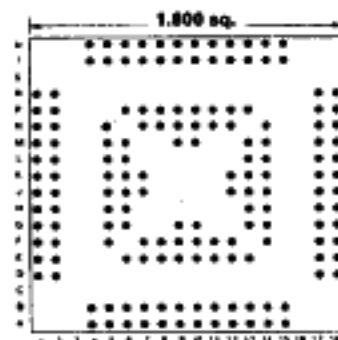
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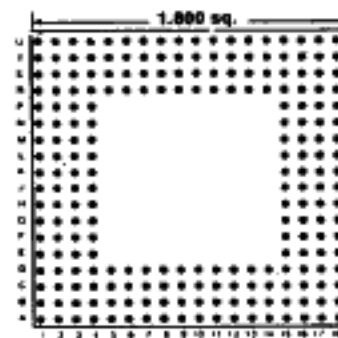
159 PINS
Footprint 18008



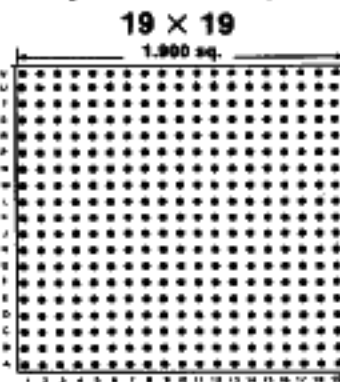
181 PINS
Footprint 18010



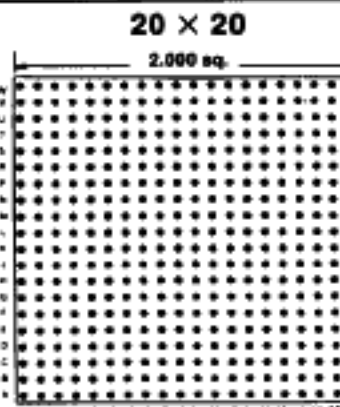
180 PINS
Footprint 18011



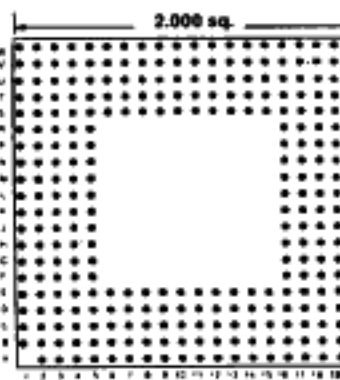
224 PINS
Footprint 18012



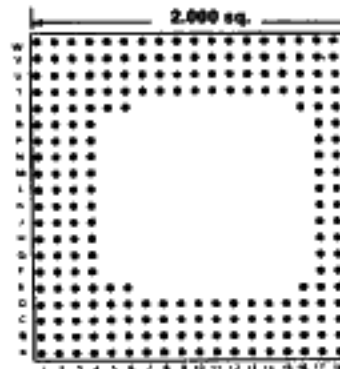
361 PINS
Footprint 19001



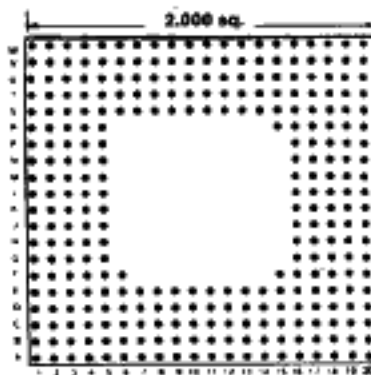
408 PINS
Footprint 20001



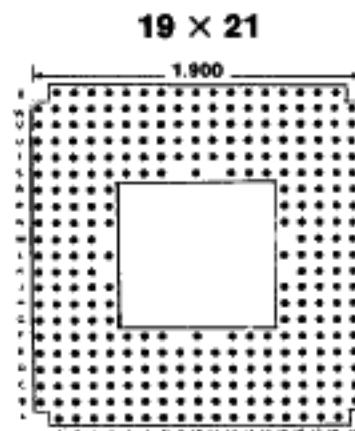
299 PINS
Footprint 20002



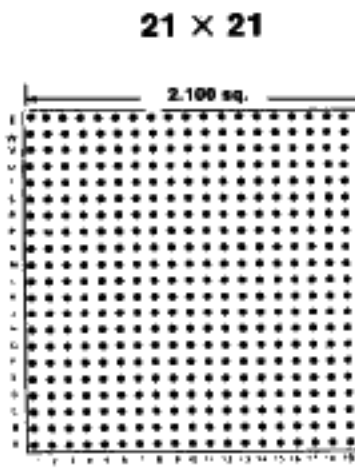
262 PINS
Footprint 20003



303 PINS
Footprint 20004



302 PINS
Footprint PGA-302



441 PINS
Footprint 21001

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