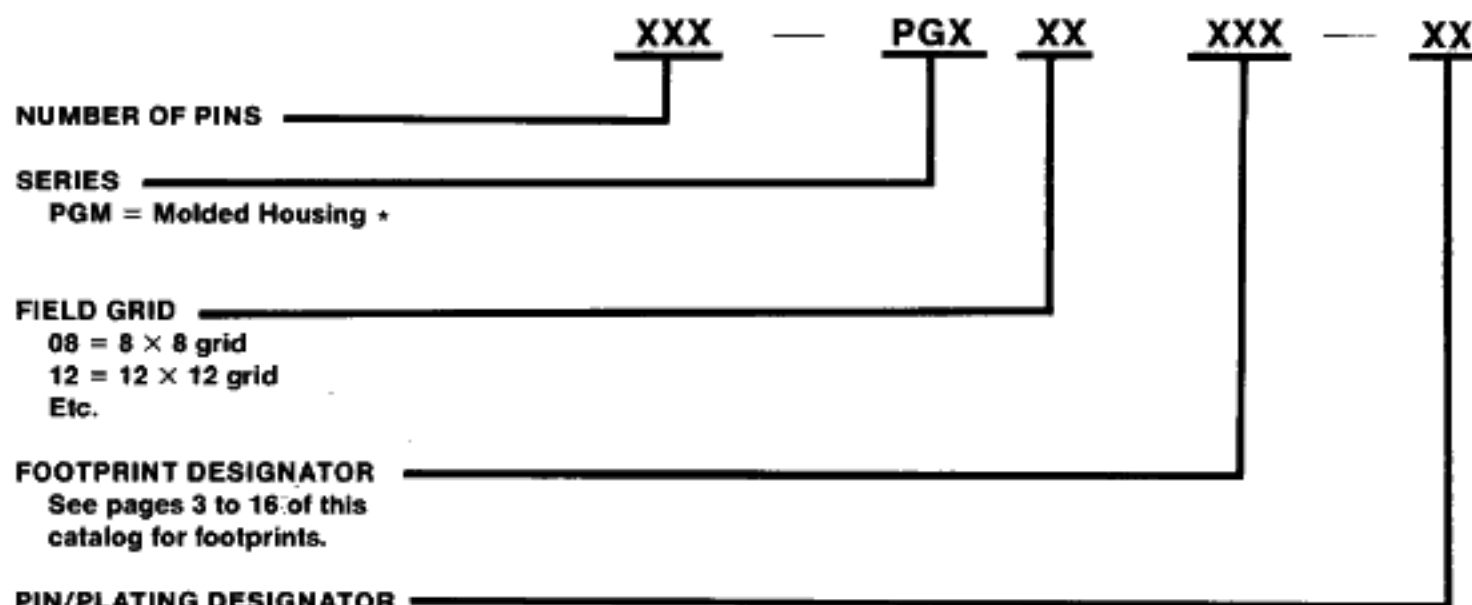


With the proliferation of pin grid packages on the market, there are a great number of options available on socket packages. Trying to incorporate these options into an easy to understand part numbering

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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ARIES COLLET CONTACT PINS

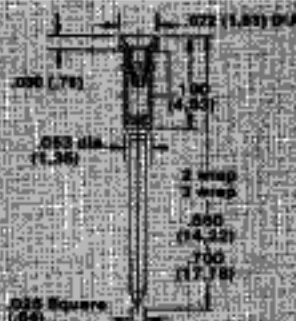
These high quality, high performance-to-cost ratio contacts use gold plated beryllium copper contacts within a brass socket body available either tin or gold plated. Collet contacts accept .015-.022 dia. round leads.

- 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.

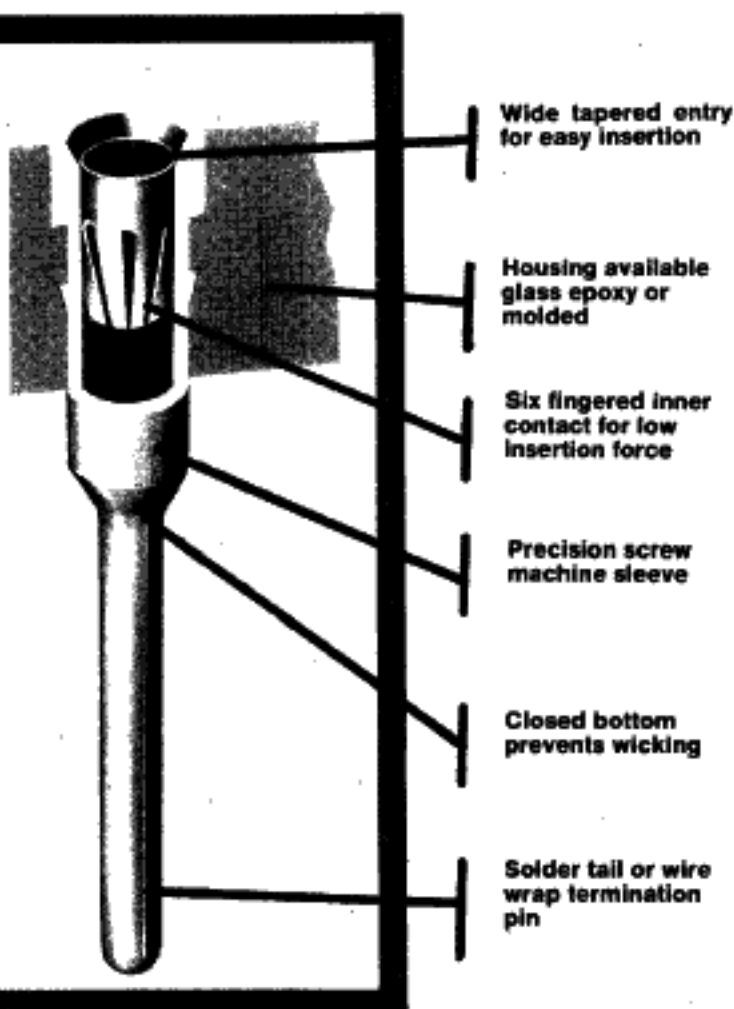
SKETCH 1



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: 100μ (2.54μm) tin minimum per MIL-T-10727 over 50μ (1.27μm) nickel per QQN-290. Body: 200μ (5.08μm) tin per MIL-T-10727 over 100μ (2.54μm) nickel per QQN-290.
	-10	Contact: 10μ (0.254μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 200μ (5.08μm) tin per MIL-T-10727 over 100μ (2.54μm) nickel per QQN-290.
	-10H	Contact: 30μ (0.76μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 200μ (5.08μm) tin per MIL-T-10727 over 100μ (2.54μm) nickel per QQN-290.
	-11	Contact: 10μ (0.254μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 10μ (0.254μm) gold minimum per MIL-G-45204 over 100μ (2.54μm) nickel per QQN-290.
	-11H	Contact: 30μ (0.76μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 10μ (0.254μm) gold minimum per MIL-G-45204 over 100μ (2.54μm) nickel per QQN-290.
Wire Wrap	-30	Contact: 30μ (0.76μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 200μ (5.08μm) tin per MIL-T-10727 over 100μ (2.54μm) nickel per QQN-290.
	-20	Contact: 30μ (0.76μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 10μ (0.254μm) gold minimum per MIL-G-45204 over 100μ (2.54μm) nickel per QQN-290.
	-31	Contact: 30μ (0.76μm) gold minimum per MIL-G-45204 over 50μ (1.27μm) nickel per QQN-290. Body: 10μ (0.254μm) gold minimum per MIL-G-45204 over 100μ (2.54μm) nickel per QQN-290.

Unit 3, Furth Court, Towcester Rd., Old Stratford
Milton Keynes, England MK19 6AQ
Telephone: +44-908-260007
Fax: +44-908-260008

IN EUROPE
ARIES
Electronics Europe

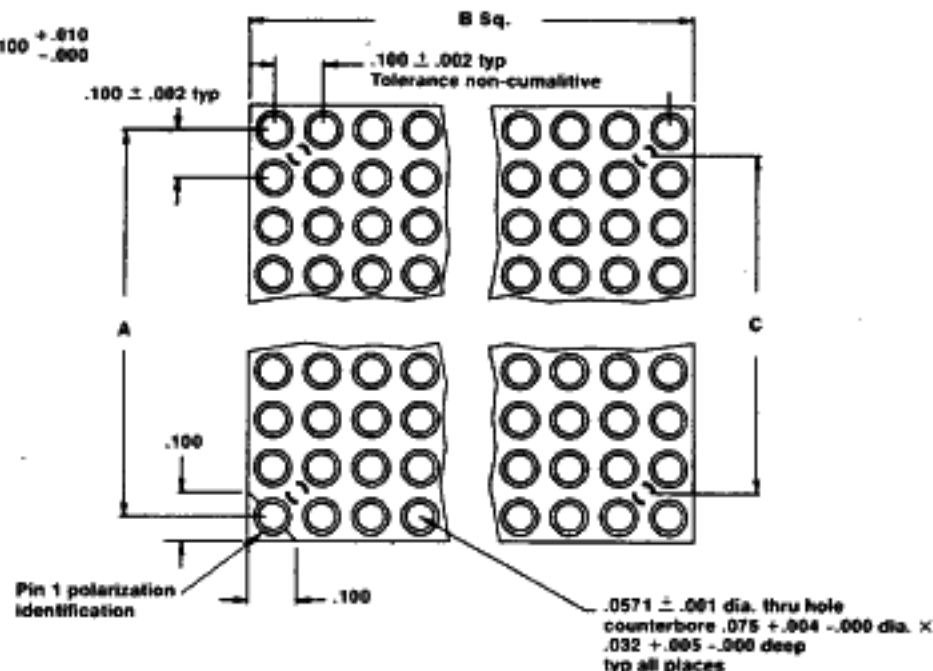
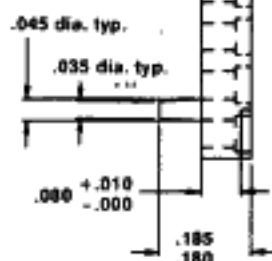
P.O. Box 130
Frenchtown, NJ 08825
Phone 1-908-994-8841
FAX 908-994-3891

ARIES
ELECTRONICS, INC.

NOTES:

1. All ctr dimensions are to be centered within .002 of true centerline.
2. Material is to be black, glass filled thermoplastic polyester, UL94V0 rated.

Optional Four Stand-Off Posts .085 deep x .045 dia. Consult factory.



DIMENSIONS (Inches)

HOUSING SIZE	A ± .002	B +.000 / -.005*	C = A ± .005
8 x 8	.800	.800	.700
10 x 10	.900	1.000	.800
11 x 11	1.000	1.100	.900
12 x 12	1.100	1.200	1.000
13 x 13	1.200	1.300	1.100
14 x 14	1.300	1.400	1.200
15 x 15	1.400	1.500	1.300
16 x 16	1.500	1.600	1.400
17 x 17	1.600	1.700	1.500
18 x 18	1.700	1.800	1.600
19 x 19	1.800	1.900	1.700
20 x 20	1.900	2.000	1.800
21 x 21	2.000	2.100	1.900

*Non-Cumulative

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

PIN GRID PLASTIC

Specifications

- Injection molded, glass reinforced thermoplastic polyester UL94V0 rated. Other engineered resins available. Consult factory.
- All footprints on industry standard .100" x .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.



ARIES
ELECTRONICS, INC.

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Phone 1-908-998-6841
FAX 908-998-3991



IN EUROPE
ARIES
Electronics (Europe)

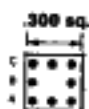
Unit 3, Furlho Court, Towcester Rd., Old Stratford
Milton Keynes, England MK19 6AQ
Telephone: +44-908-260007
Fax: +44-908-260008

3x3



9 PINS

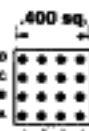
Footprint 03001



9 PINS

Footprint 03002

4x4



16 PINS

Footprint 04001

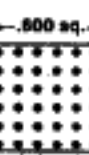
5x5



25 PINS

Footprint 05001

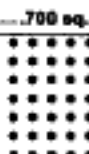
6x6



36 PINS

Footprint 06001

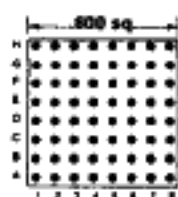
7x7



49 PINS

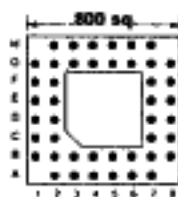
Footprint 07001

8x8



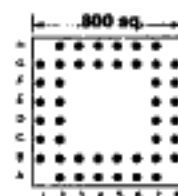
64 PINS

Footprint 08001



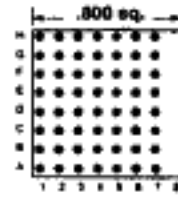
44 PINS

Footprint 08002



44 PINS

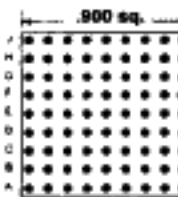
Footprint 08003



56 PINS

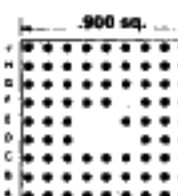
Footprint 08004

9x9



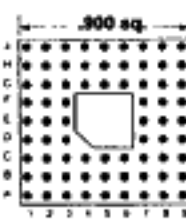
81 PINS

Footprint 09001



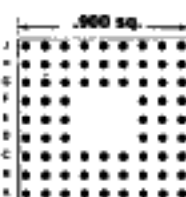
75 PINS

Footprint 09002



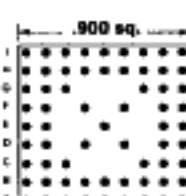
72 PINS

Footprint 09003



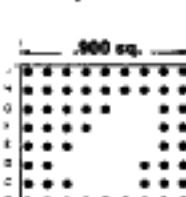
72 PINS

Footprint 09004



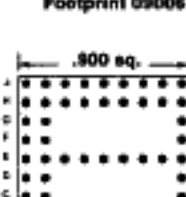
65 PINS

Footprint 09005



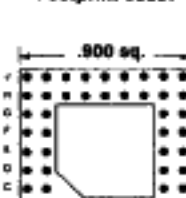
65 PINS

Footprint 09006



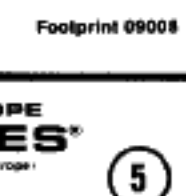
67 PINS

Footprint 09007



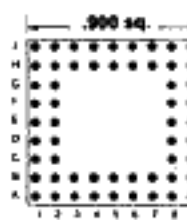
68 PINS

Footprint 09013



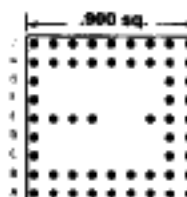
68 PINS

Footprint 09014



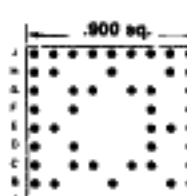
56 PINS

Footprint 09009



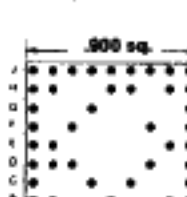
55 PINS

Footprint 09010



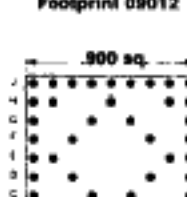
53 PINS

Footprint 09011



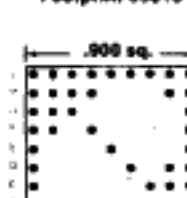
49 PINS

Footprint 09012



48 PINS

Footprint 09013



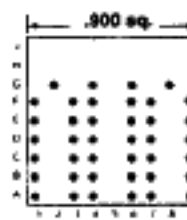
48 PINS

Footprint 09014



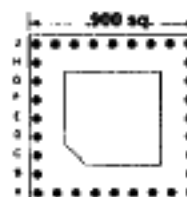
48 PINS

Footprint 09014



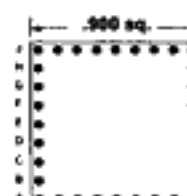
40 PINS

Footprint 09015



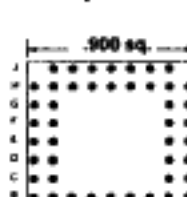
32 PINS

Footprint 09016



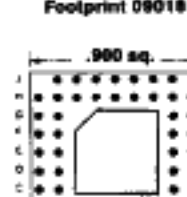
32 PINS

Footprint 09017



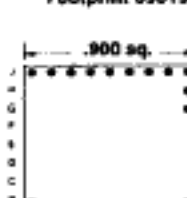
52 PINS

Footprint 09018



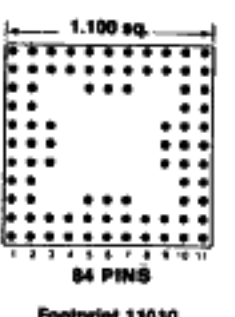
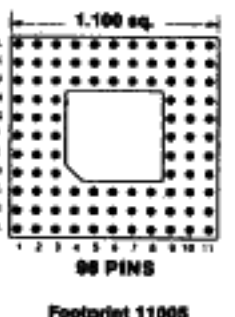
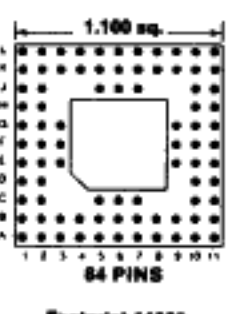
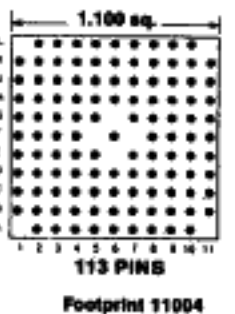
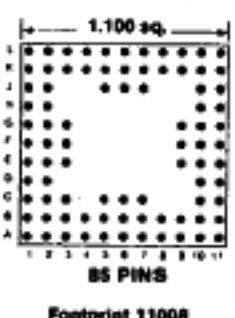
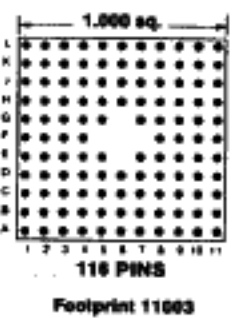
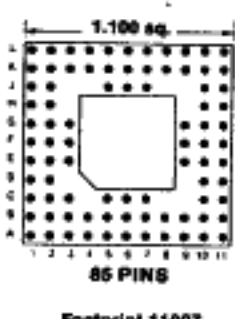
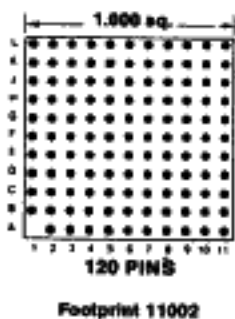
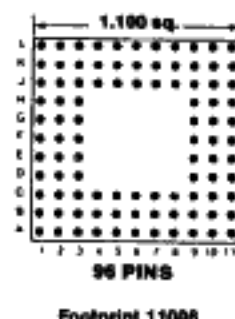
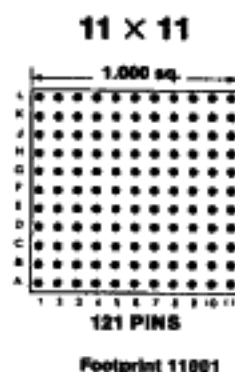
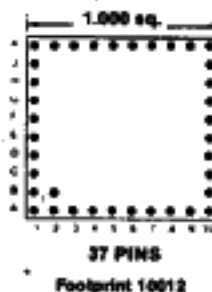
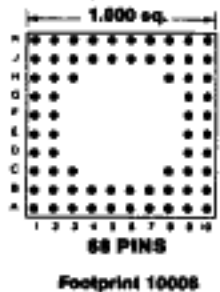
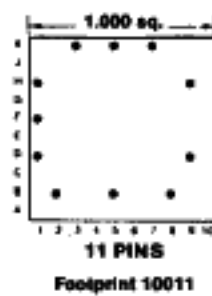
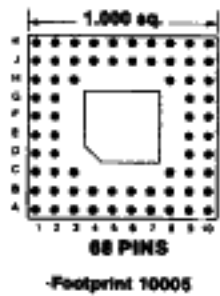
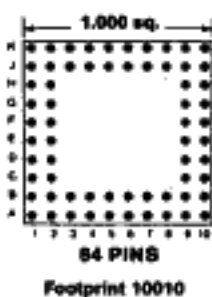
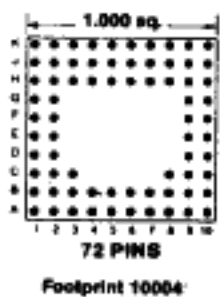
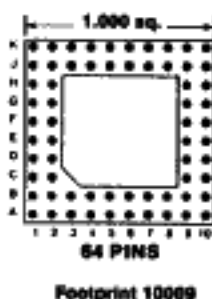
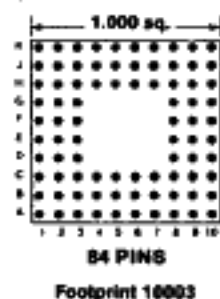
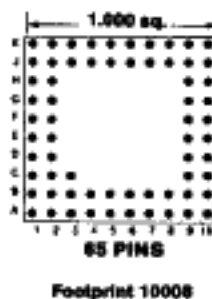
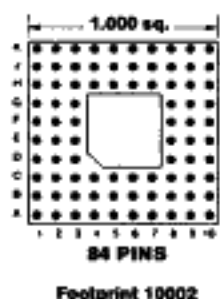
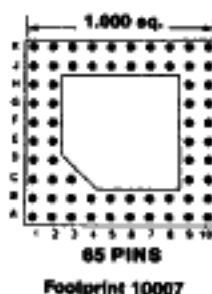
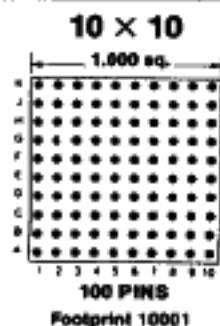
52 PINS

Footprint 09019



22 PINS

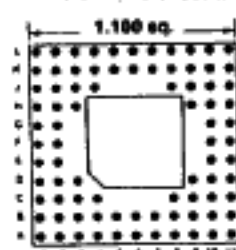
Footprint 09020



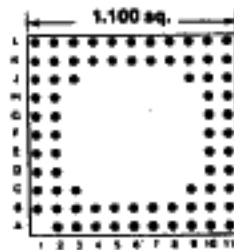
All footprints are topview.

FOOTPRINTS

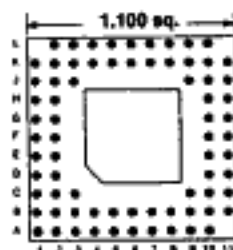
11 x 11 cont.



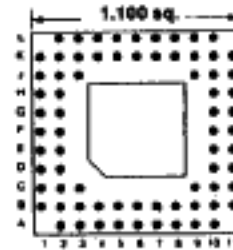
84 PINS
Footprint 11011



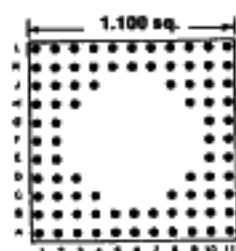
75 PINS
Footprint 11016



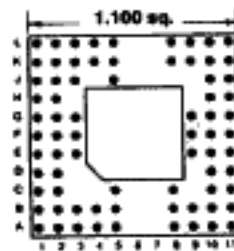
73 PINS
Footprint 11021



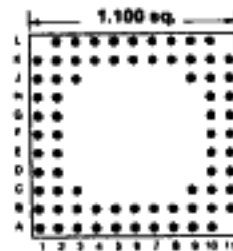
72 PINS
Footprint 11026



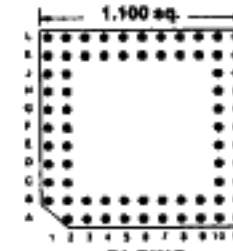
84 PINS
Footprint 11012



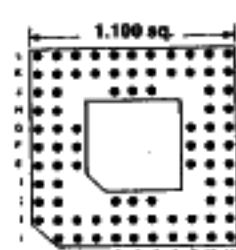
74 PINS
Footprint 11017



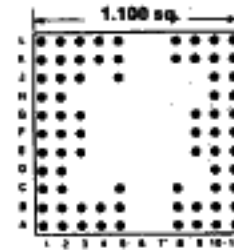
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Footprint 11022



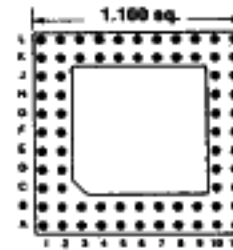
71 PINS
Footprint 11027



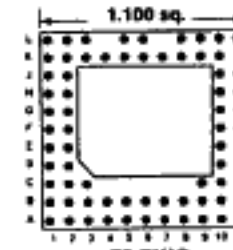
83 PINS
Footprint 11013



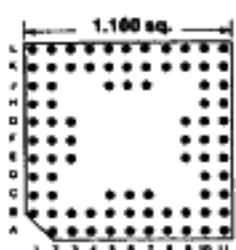
74 PINS
Footprint 11018



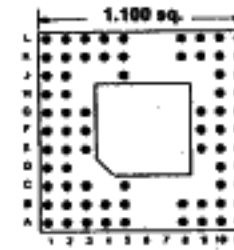
72 PINS
Footprint 11023



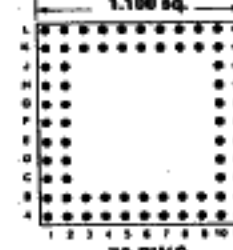
70 PINS
Footprint 11028



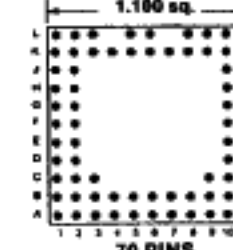
83 PINS
Footprint 11014



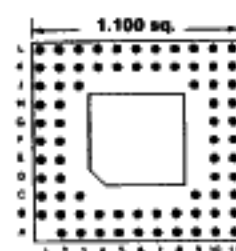
73 PINS
Footprint 11019



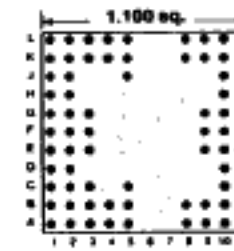
72 PINS
Footprint 11024



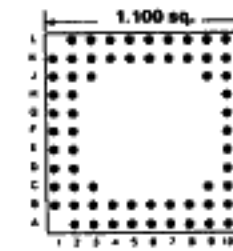
70 PINS



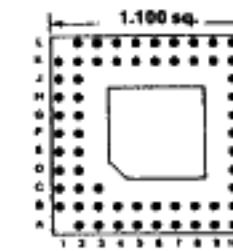
75 PINS
Footprint 11015



73 PINS
Footprint 11020



72 PINS
Footprint 11025



69 PINS
Footprint 11030

Unit 3, Furtho Court, Towcester Rd., Old Stratford
Milton Keynes, England MK19 6AQ
Telephone: +44-908-260007
Fax: +44-908-260008

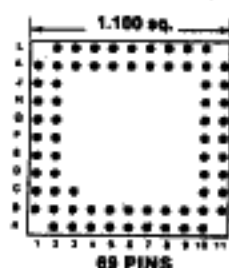
IN EUROPE
ARIES
Electronics - Europe

7

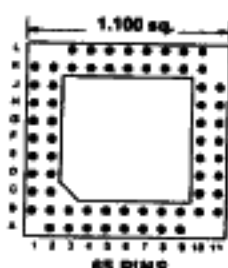
P.O. Box 130
Frenchtown, NJ 08825
Phone 1-908-996-8841
FAX 908-996-3891

ARIES
ELECTRONICS, INC.

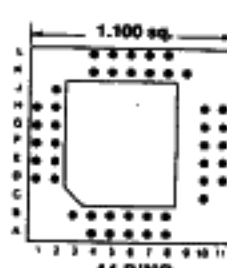
11 × 11 cont.



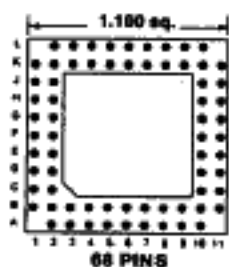
Footprint 11031



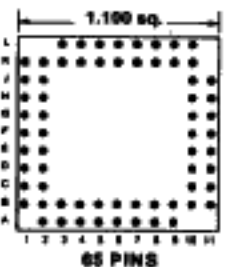
Footprint 11036



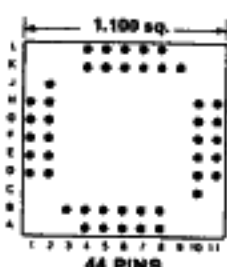
Footprint 11041



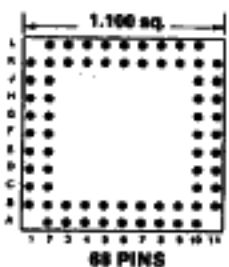
Footprint 11032



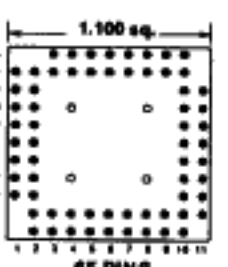
Footprint 11037



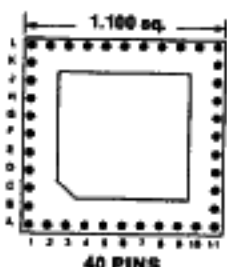
Footprint 11042



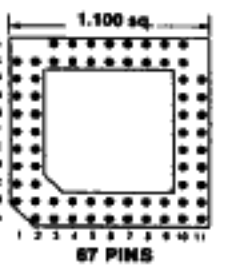
Footprint 11033



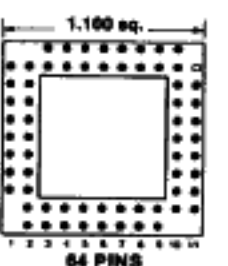
Footprint 11038



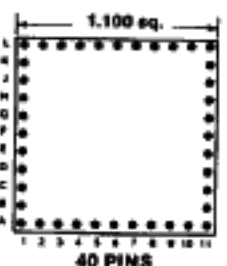
Footprint 11043



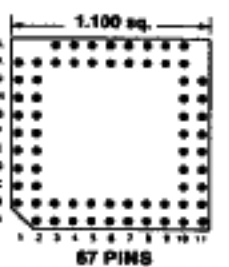
Footprint 11034



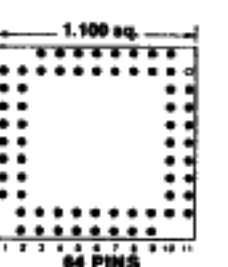
Footprint 11039



Footprint 11044

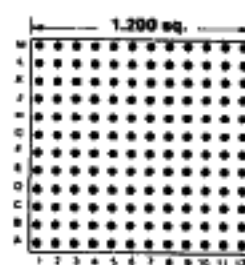


Footprint 11035

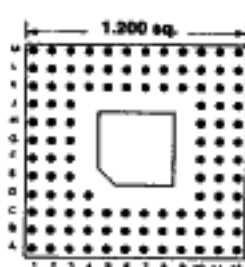


Footprint 11040

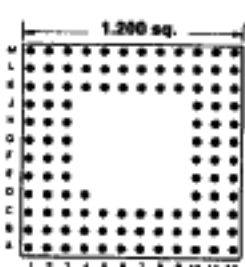
12 × 12



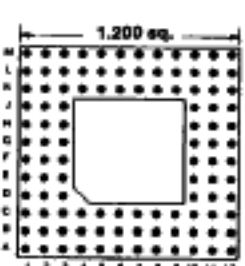
Footprint 12001



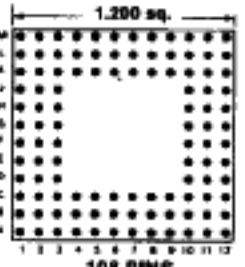
Footprint 12002



Footprint 12003

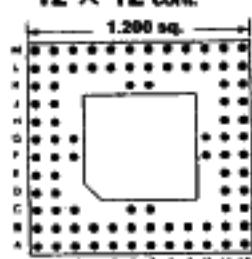


Footprint 12004



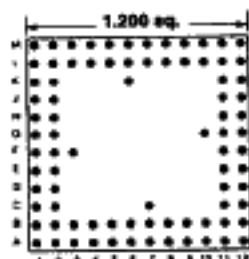
Footprint 12005

12 x 12 cont.



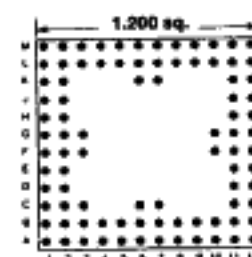
89 PINS

Footprint 12006



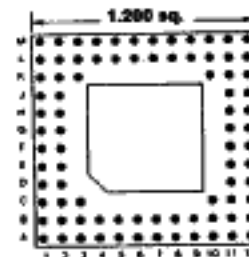
84 PINS

Footprint 12011



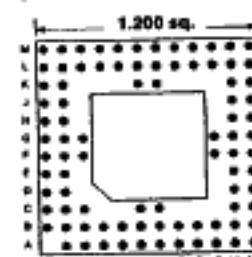
89 PINS

Footprint 12007



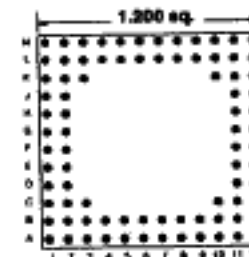
84 PINS

Footprint 12012



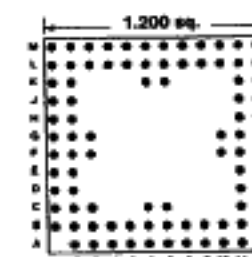
88 PINS

Footprint 12008



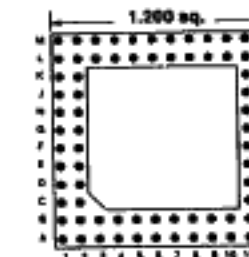
84 PINS

Footprint 12013



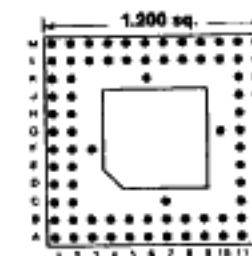
88 PINS

Footprint 12009



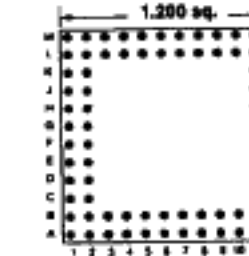
80 PINS

Footprint 12014



84 PINS

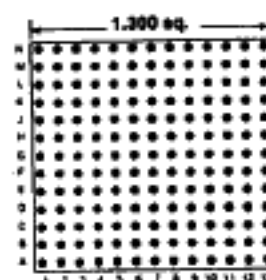
Footprint 12010



80 PINS

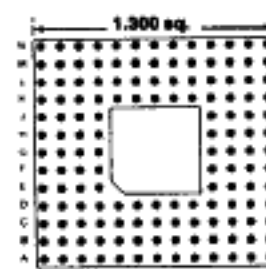
Footprint 12015

13 x 13



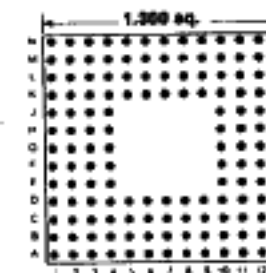
169 PINS

Footprint 13001



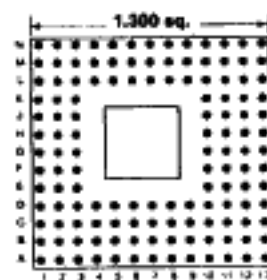
144 PINS

Footprint 13002



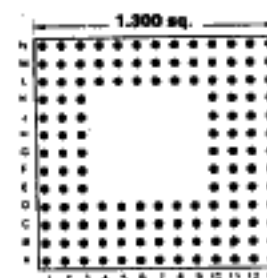
144 PINS

Footprint 13003



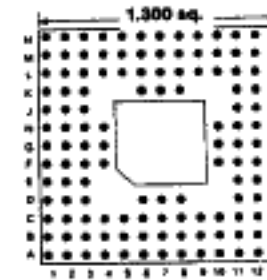
133 PINS

Footprint 13004



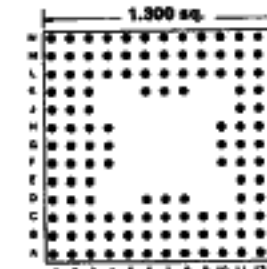
133 PINS

Footprint 13005



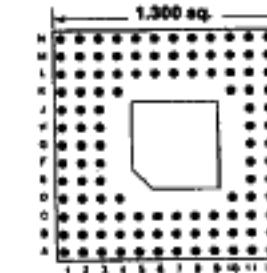
132 PINS

Footprint 13006



132 PINS

Footprint 13007

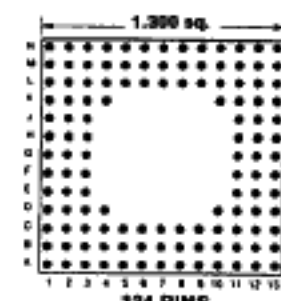


124 PINS

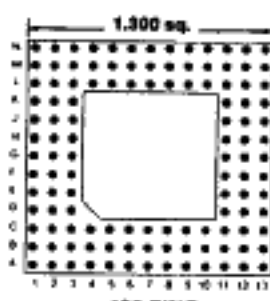
Footprint 13008

13 x 13 cont.

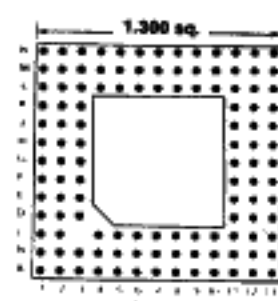
All footprints are topview.



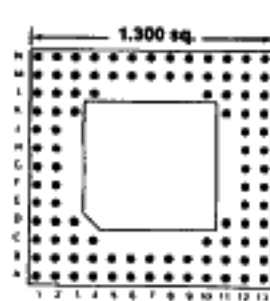
Footprint 13009



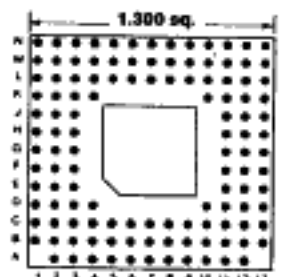
Footprint 13014



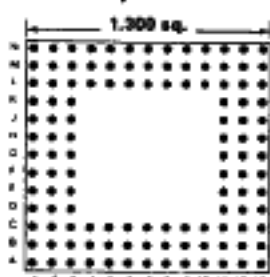
Footprint 13019



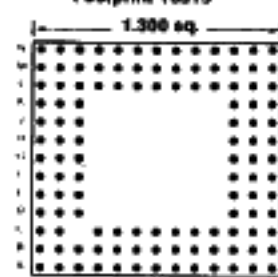
Footprint 13024



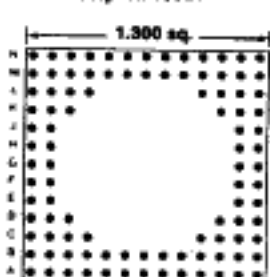
Footprint 13010



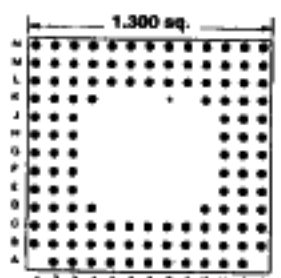
Footprint 13015



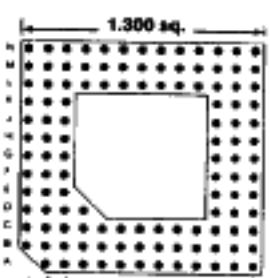
Footprint 13020



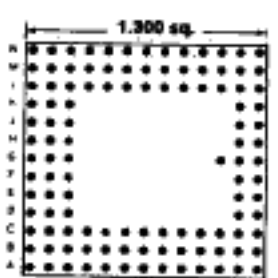
Footprint 13025



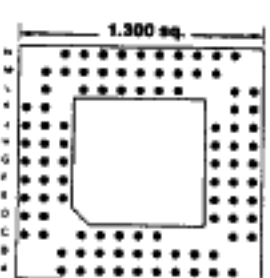
Footprint 13011



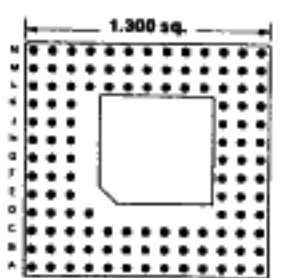
Footprint 13016



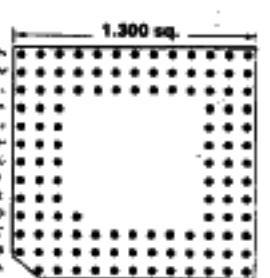
Footprint 13021



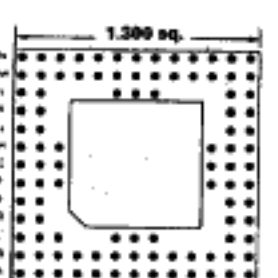
Footprint 13026



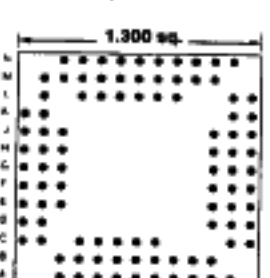
Footprint 13012



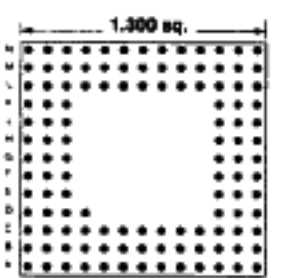
Footprint 13017



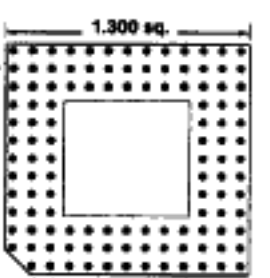
Footprint 13022



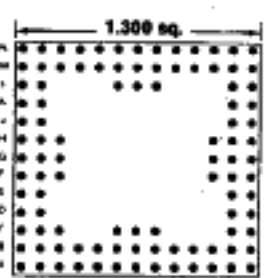
Footprint 13027



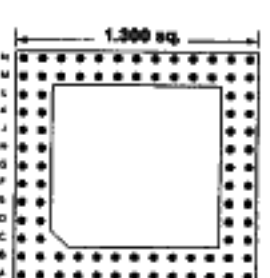
Footprint 13013



Footprint 13018



Footprint 13023



Footprint 13028

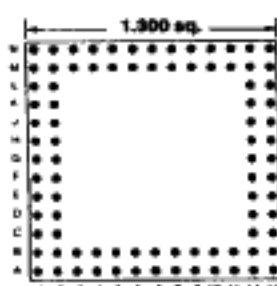

ARIES
ELECTRONICS, INC.

 P.O. Box 130,
Frenchtown, NJ 08825
Phone 1-908-996-6841
FAX 908-996-3891

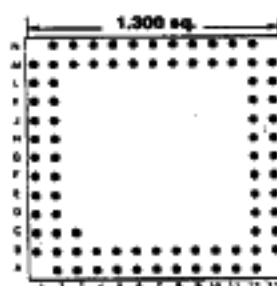
10


IN EUROPE
ARIES
Electronics (Europe)

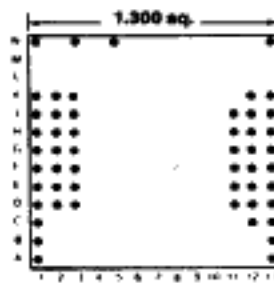
 Unit 3, Furth Court, Towcester Rd., Old Stratford
Milton Keynes, England MK19 6AQ
Telephone: +44-908-260007
Fax: +44-908-260008



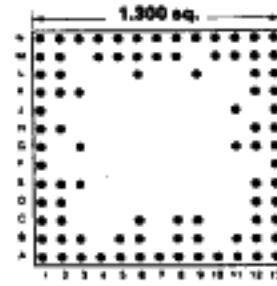
88 PINS
Footprint 13029



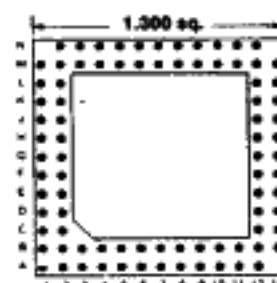
85 PINS
Footprint 13033



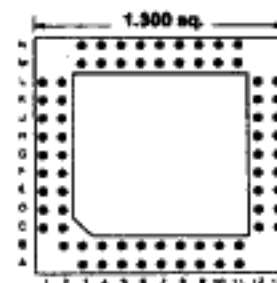
52 PINS
Footprint 13037



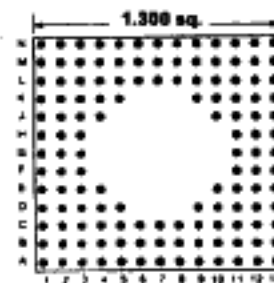
88 PINS
Footprint 13041



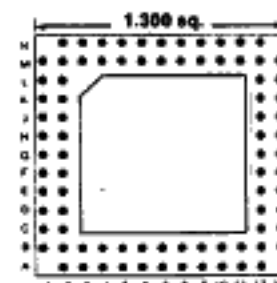
85 PINS
Footprint 13030



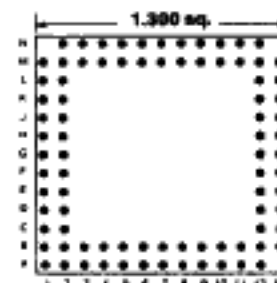
73 PINS
Footprint 13034



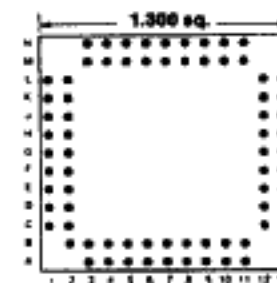
132 PINS
Footprint 13038



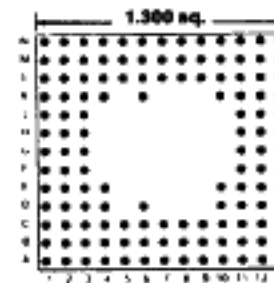
84 PINS
Footprint 13042



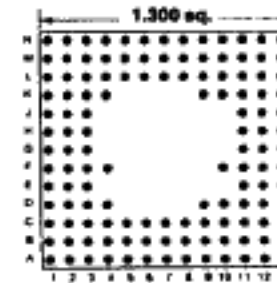
85 PINS
Footprint 13031



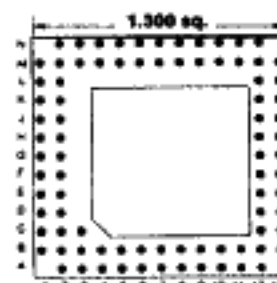
73 PINS
Footprint 13035



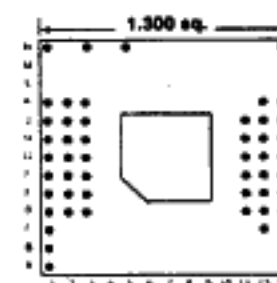
128 PINS
Footprint 13039



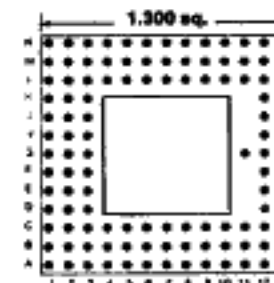
128 PINS
Footprint 13043



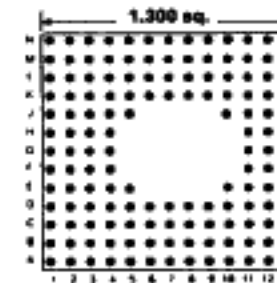
85 PINS
Footprint 13032



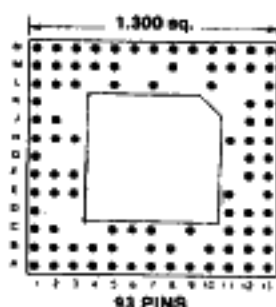
52 PINS
Footprint 13036



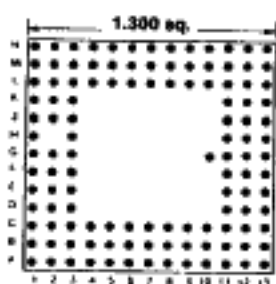
114 PINS
Footprint 13040



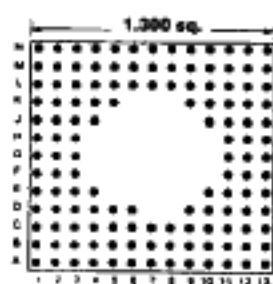
143 PINS
Footprint 13044



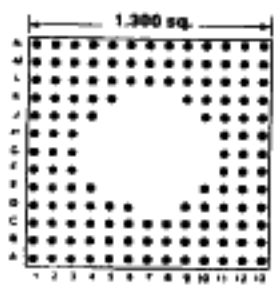
93 PINS
Footprint 13045



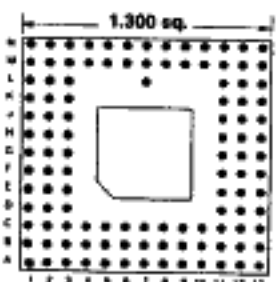
113 PINS
Footprint 13050



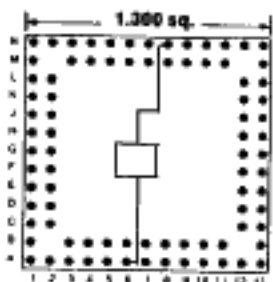
133 PINS
Footprint 13055



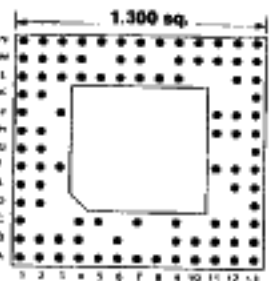
133 PINS
Footprint 13046



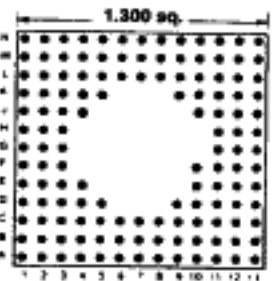
114 PINS
Footprint 13051



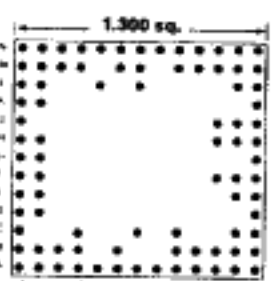
84 PINS
Footprint 13056



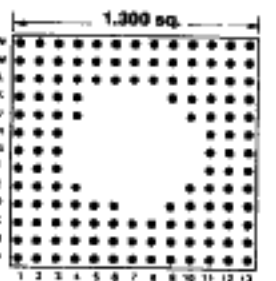
95 PINS
Footprint 13047



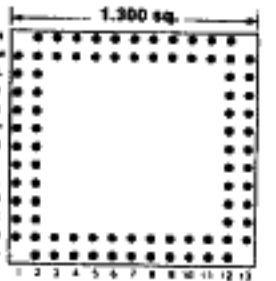
133 PINS
Footprint 13052



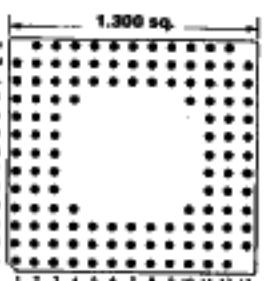
88 PINS
Footprint 13057



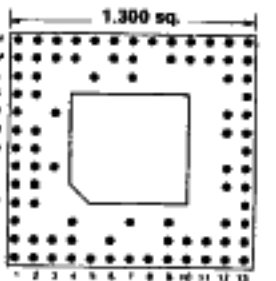
133 PINS
Footprint 13048



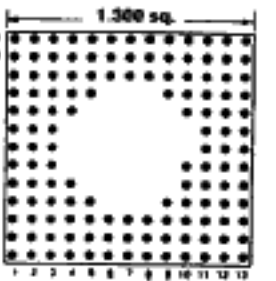
84 PINS
Footprint 13053



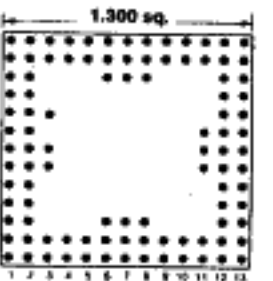
121 PINS
Footprint 13058



88 PINS
Footprint 13049



133 PINS
Footprint 13054

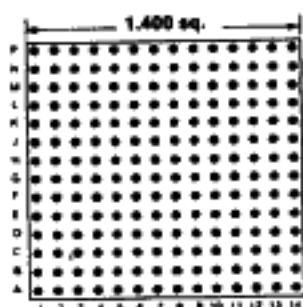


160 PINS
Footprint 13059

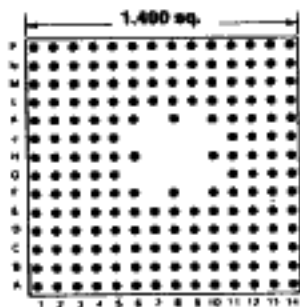
14 x 14

All footprints are 1400 sq.

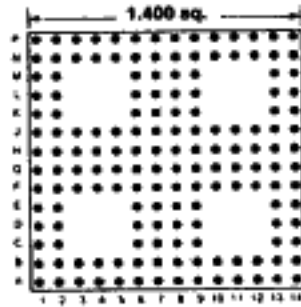
FOOTPRINTS



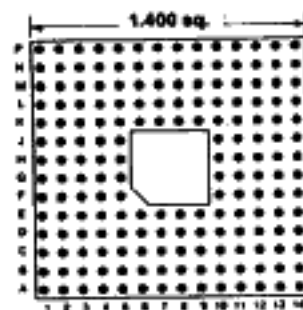
196 PINS
Footprint 14001



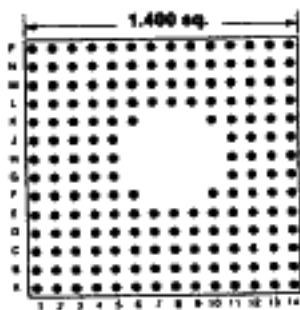
179 PINS
Footprint 14005



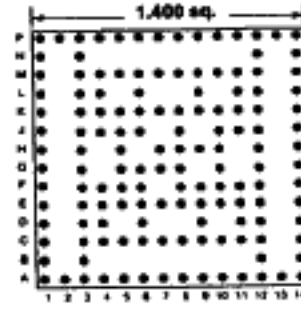
160 PINS
Footprint 14009



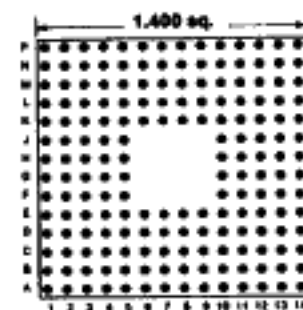
180 PINS
Footprint 14002



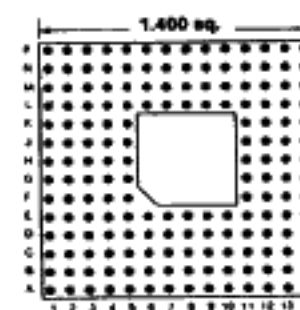
175 PINS
Footprint 14006



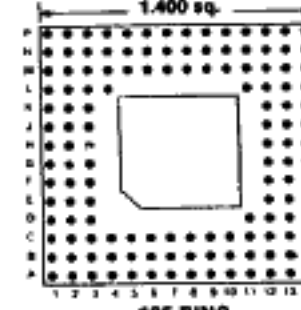
139 PINS
Footprint 14010



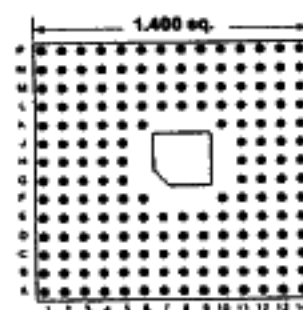
188 PINS
Footprint 14003



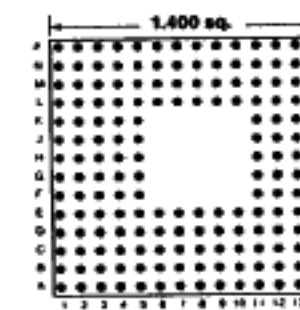
171 PINS
Footprint 14007



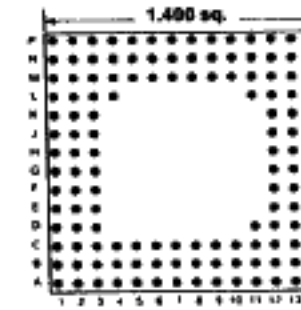
135 PINS
Footprint 14011



175 PINS
Footprint 14004



171 PINS
Footprint 14008



135 PINS
Footprint 14012

Unit 3, Furtho Court, Towcester Rd., Old Stratford
Milton Keynes, England MK19 6AQ
Telephone: +44-908-260007
Fax: +44-908-260008

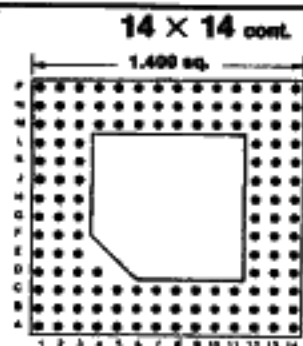
IN EUROPE
ARIES
Electronics (Europe)

13

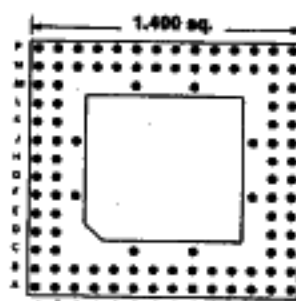
P.O. Box 130
Frenchtown, NJ 08825
Phone 1-908-996-6641
FAX 908-996-3891

ARIES
ELECTRONICS, INC.

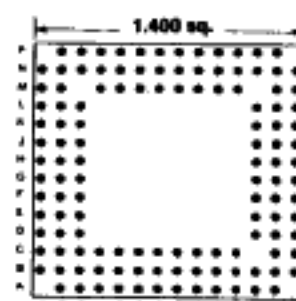
All footprints are topview.



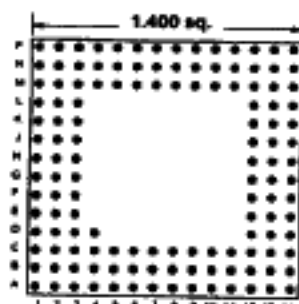
133 PINS
Footprint 14013



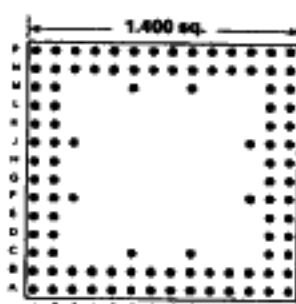
104 PINS
Footprint 14017



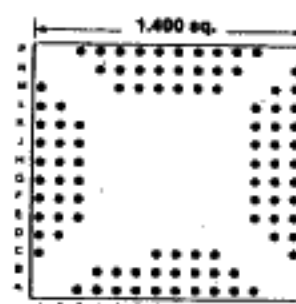
125 PINS
Footprint 14021



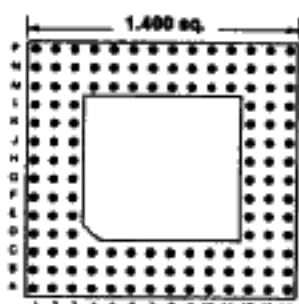
133 PINS
Footprint 14014



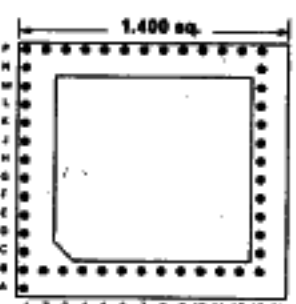
104 PINS
Footprint 14018



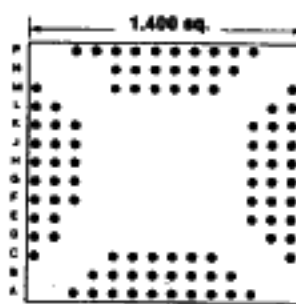
94 PINS
Footprint 14022



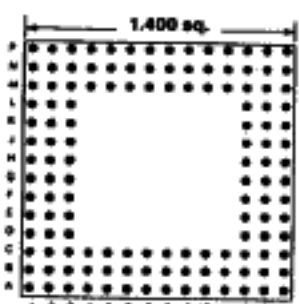
132 PINS
Footprint 14015



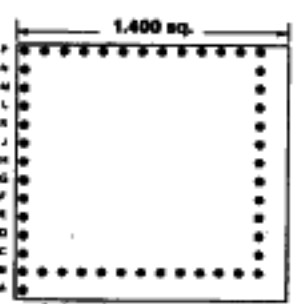
49 PINS
Footprint 14019



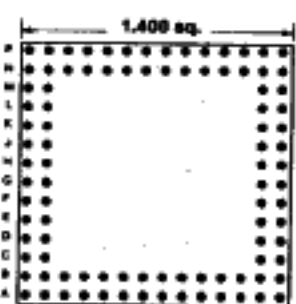
94 PINS
Footprint 14023



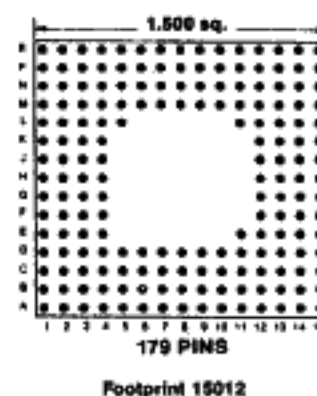
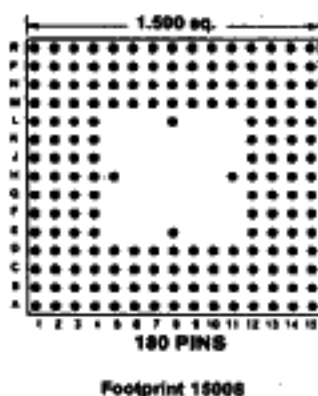
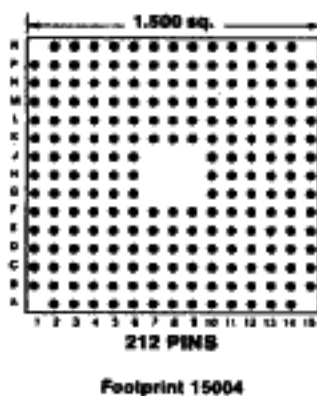
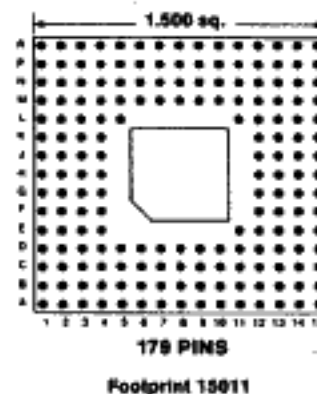
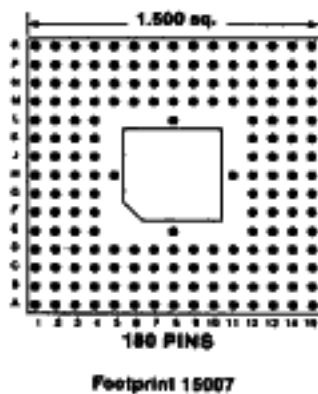
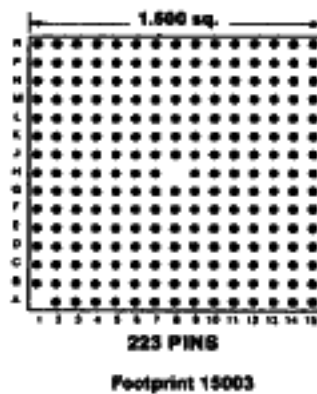
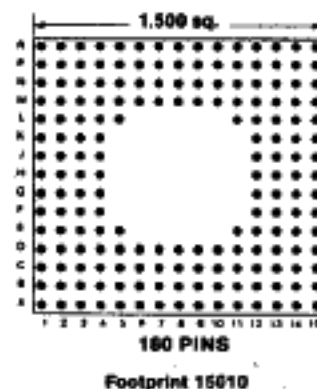
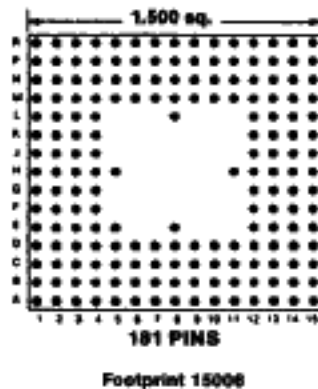
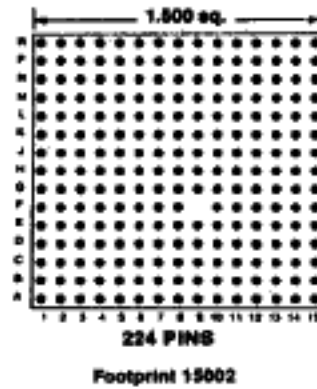
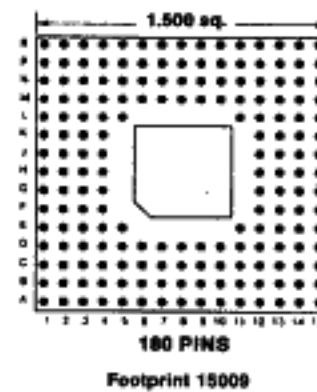
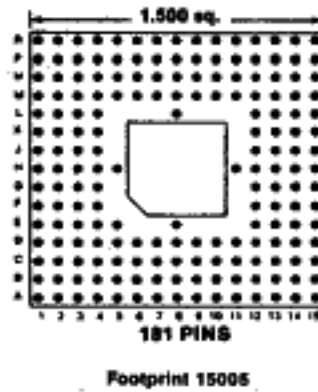
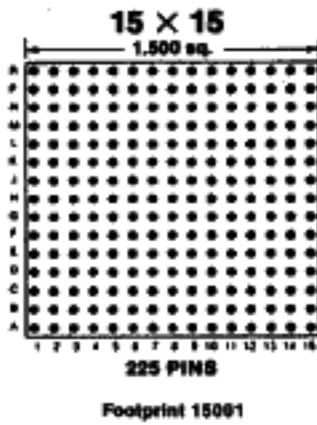
132 PINS
Footprint 14016



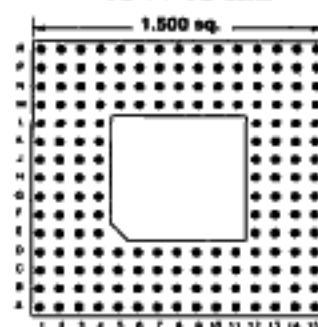
49 PINS
Footprint 14020



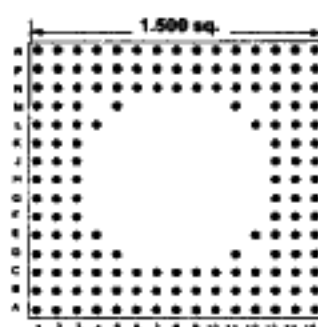
96 PINS
Footprint 14024



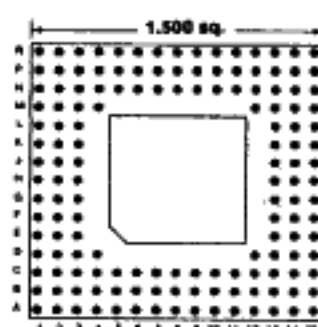
15 x 15 cont.



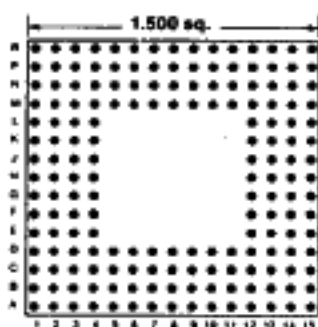
176 PINS
Footprint 15013



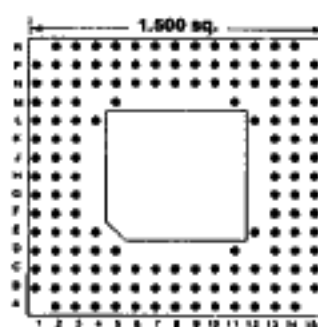
153 PINS
Footprint 15017



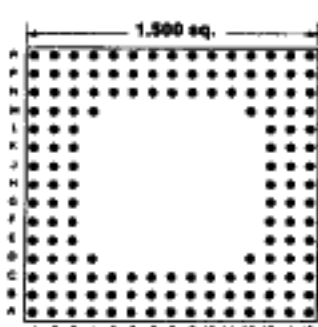
148 PINS
Footprint 15021



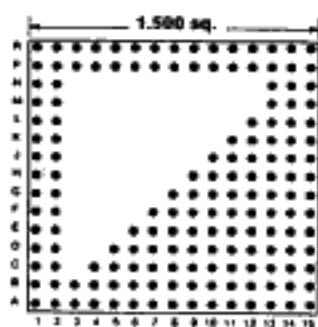
176 PINS
Footprint 15014



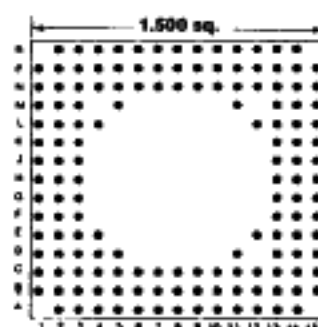
149 PINS
Footprint 15018



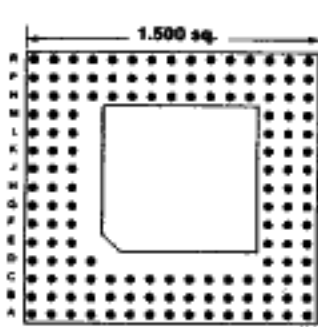
148 PINS
Footprint 15022



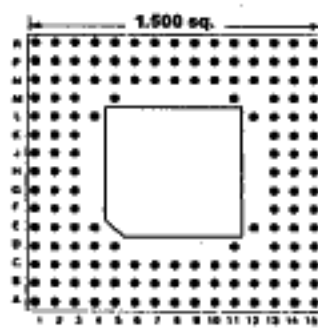
160 PINS
Footprint 15015



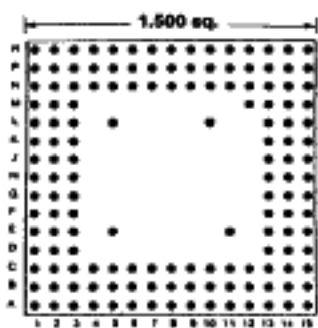
149 PINS
Footprint 15019



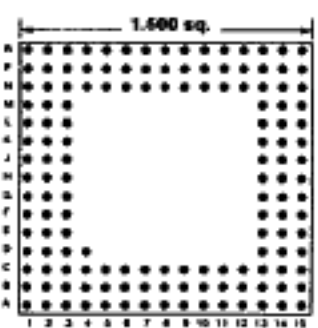
145 PINS
Footprint 15023



153 PINS
Footprint 15016

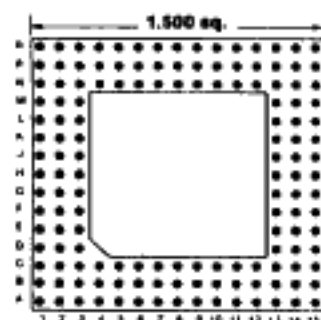


149 PINS
Footprint 15020



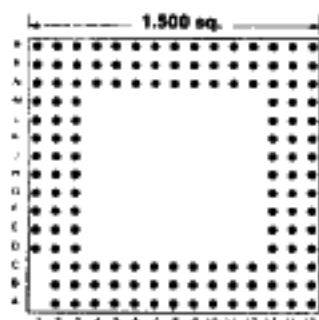
145 PINS
Footprint 15024

15 X 15 cont.



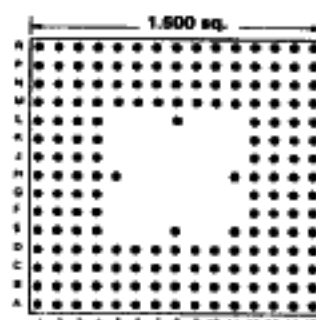
144 PINS

Footprint 15025



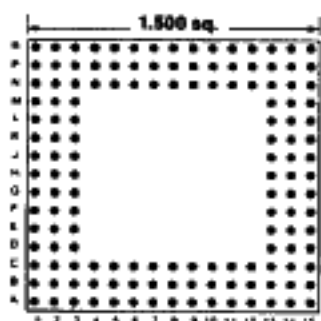
141 PINS

Footprint 15029



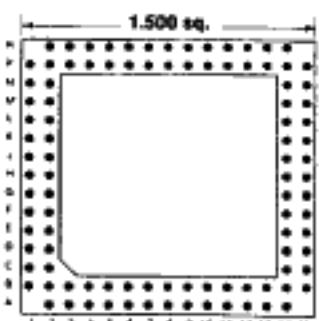
181 PINS

Footprint 15033



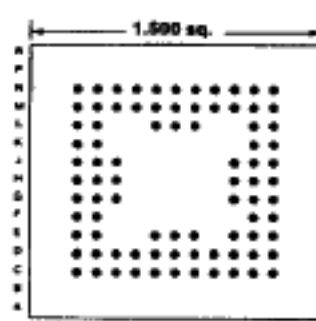
144 PINS

Footprint 15026



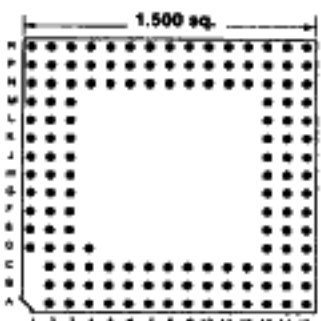
160 PINS

Footprint 15030



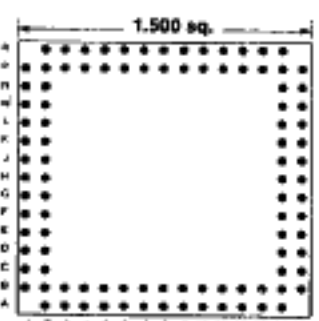
85 PINS

Footprint 15034



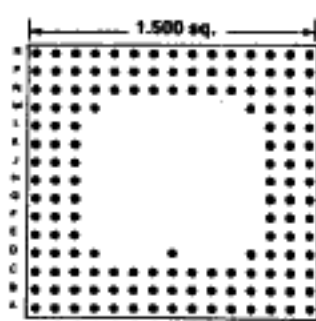
142 PINS

Footprint 15027



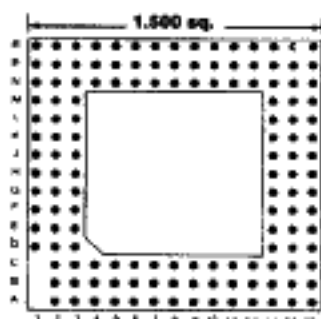
100 PINS

Footprint 15031



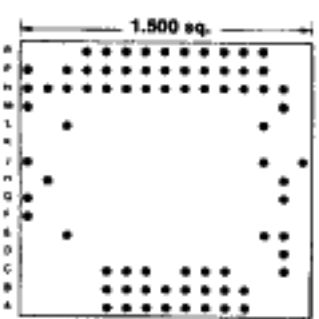
149 PINS

Footprint 15035



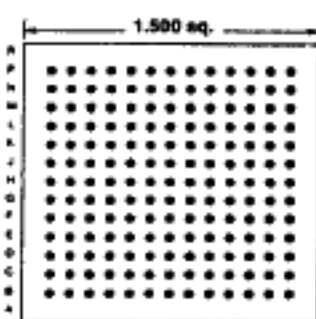
141 PINS

Footprint 15028



75 PINS

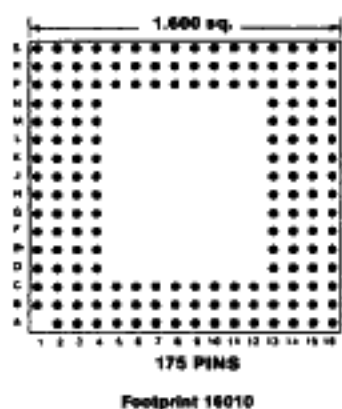
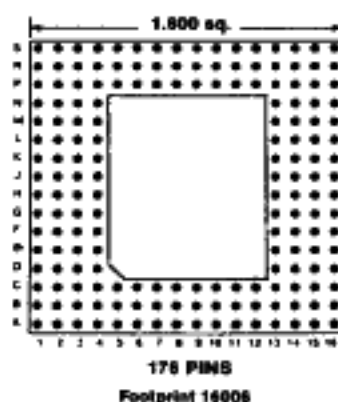
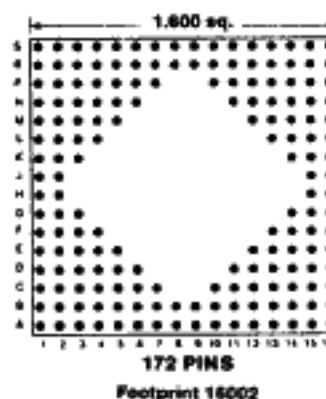
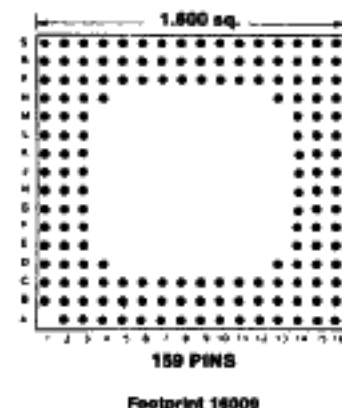
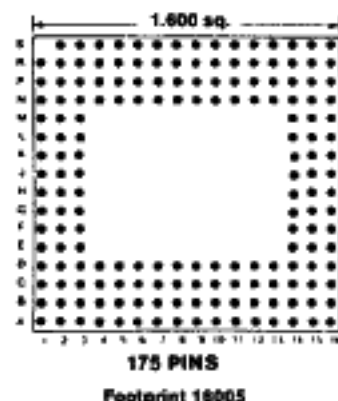
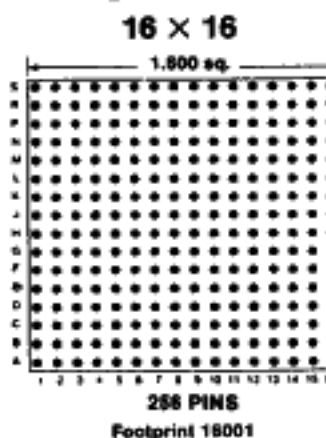
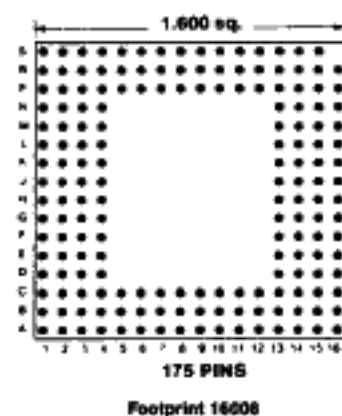
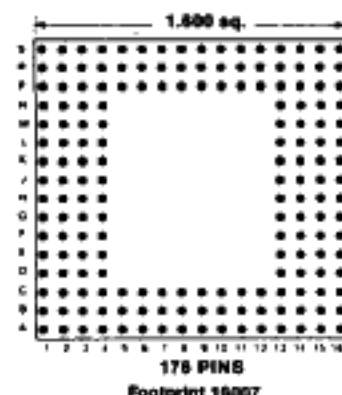
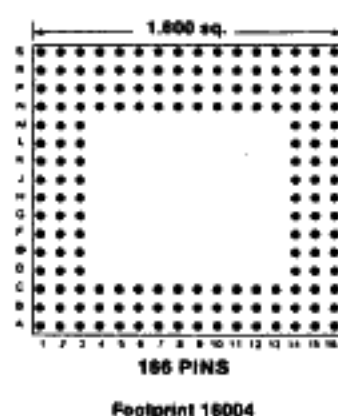
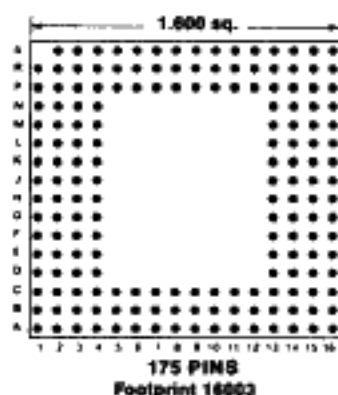
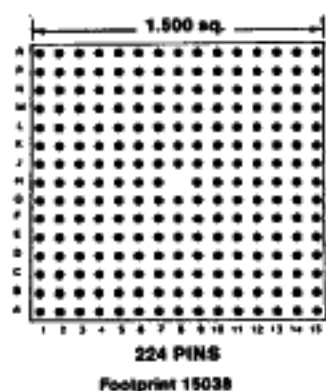
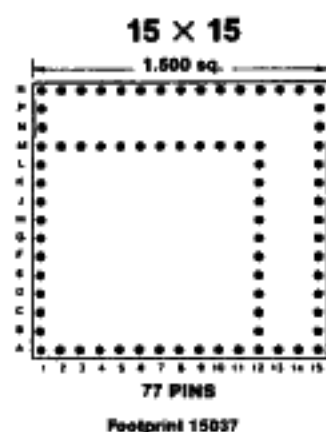
Footprint 15032



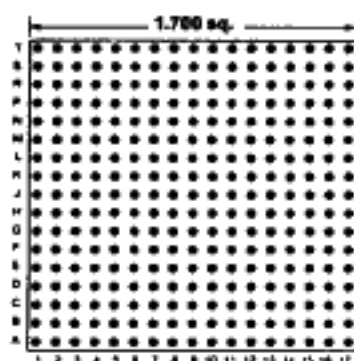
169 PINS

Footprint 15036

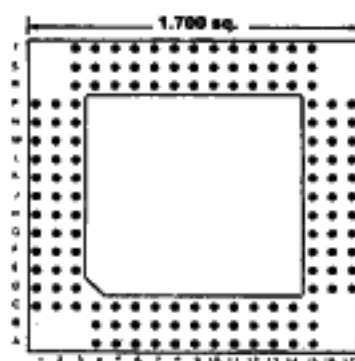
All footprints are topview.



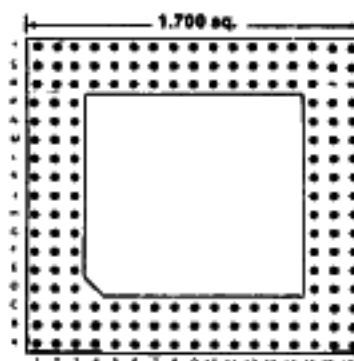
17 X 17



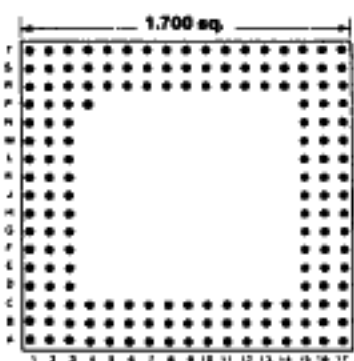
289 PINS
Footprint 17001



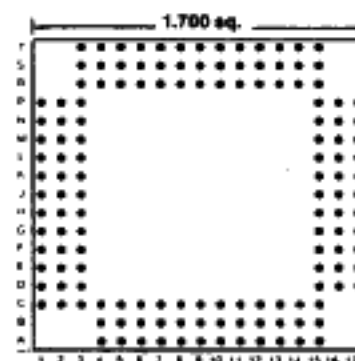
144 PINS
Footprint 17005



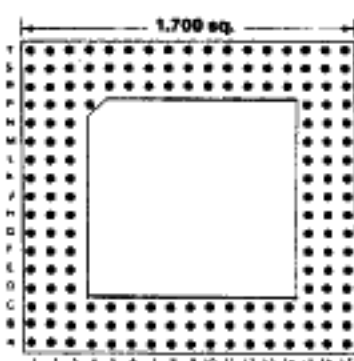
168 PINS
Footprint 17009



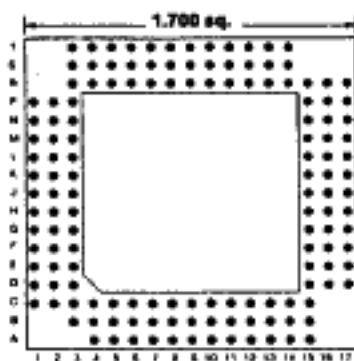
169 PINS
Footprint 17002



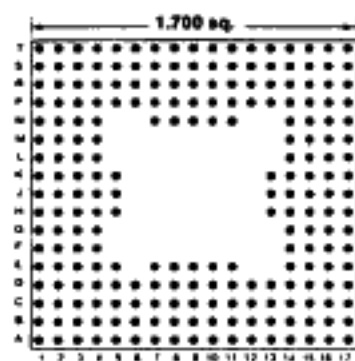
144 PINS
Footprint 17006



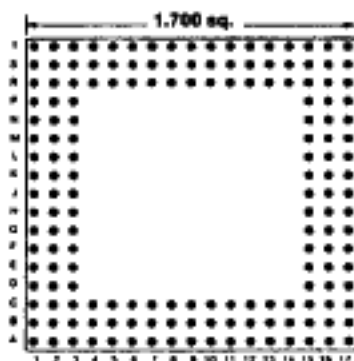
169 PINS
Footprint 17010



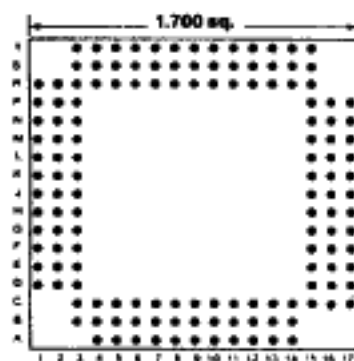
145 PINS
Footprint 17003



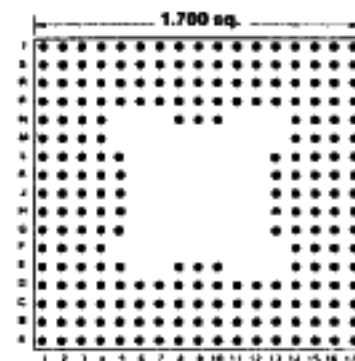
225 PINS
Footprint 17007



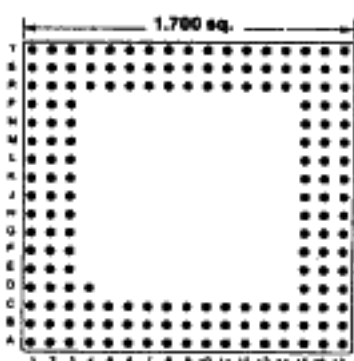
168 PINS
Footprint 17011



145 PINS
Footprint 17004



225 PINS
Footprint 17008



168 PINS
Footprint 17012

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Milton Keynes, England MK19 6AQ
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Fax: +44-908-260008

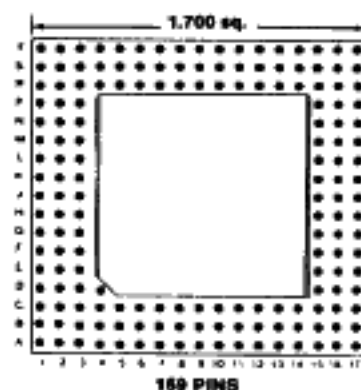
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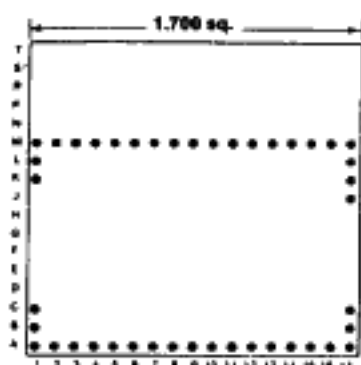
P.O. Box 130
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FAX 908-996-3891

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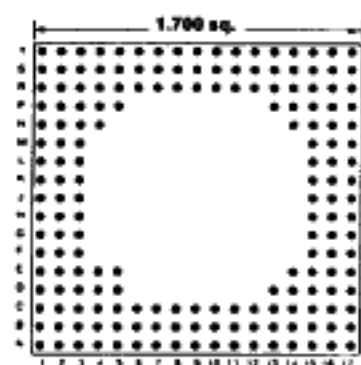
FOOTPRINTS



159 PINS
Footprint 17013

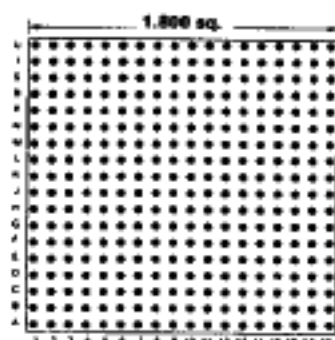


43 PINS
Footprint 17014

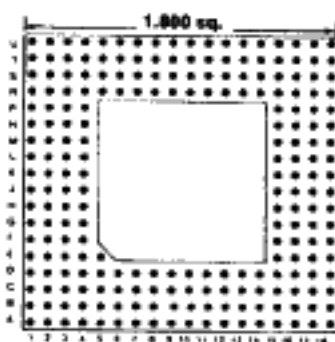


181 PINS
Footprint 17015

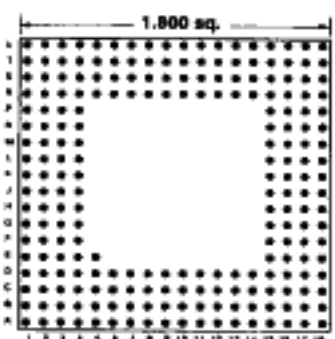
18 x 18



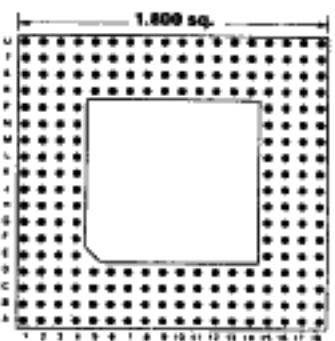
324 PINS
Footprint 18001



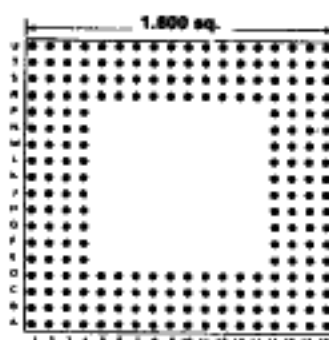
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Footprint 18002



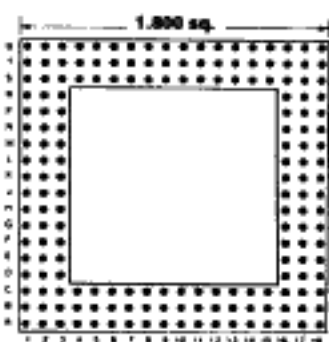
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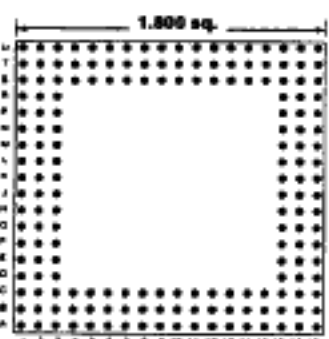
224 PINS
Footprint 18004



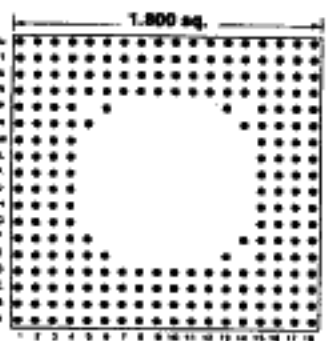
224 PINS
Footprint 18005



180 PINS
Footprint 18006



180 PINS
Footprint 18007



233 PINS
Footprint 18008



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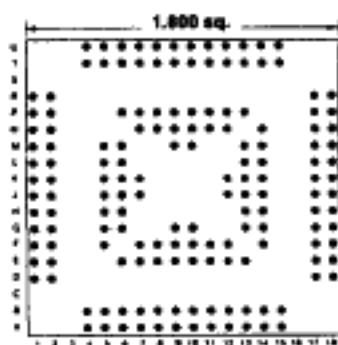
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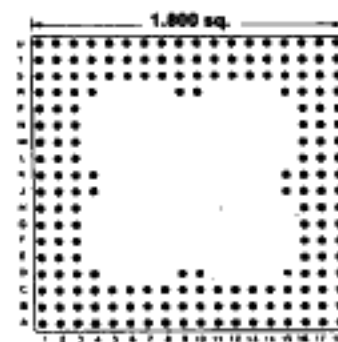
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All footprints are topview.

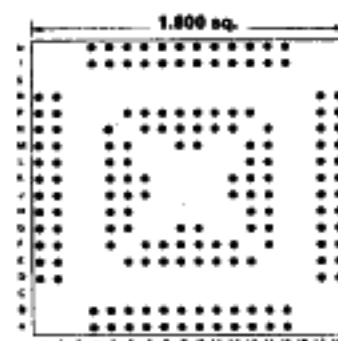
FOOTPRINTS



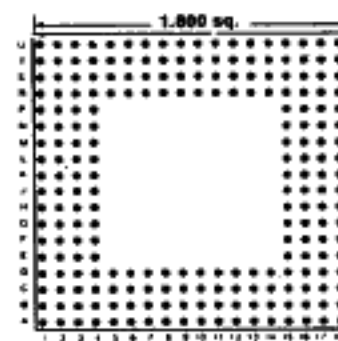
159 PINS
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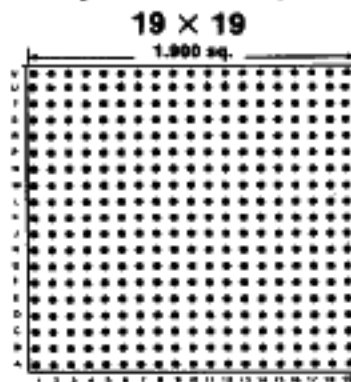
181 PINS
Footprint 18010



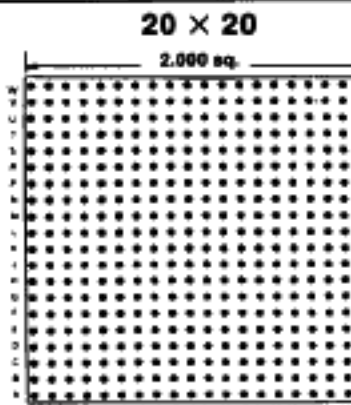
180 PINS
Footprint 18011



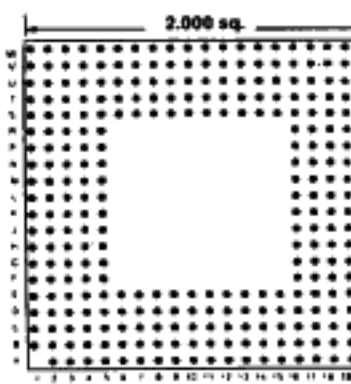
224 PINS
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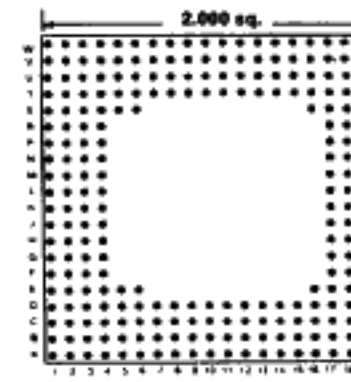
361 PINS
Footprint 19001



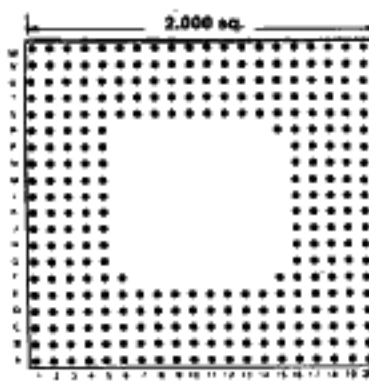
400 PINS
Footprint 20001



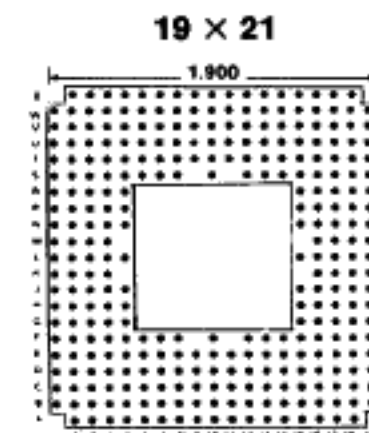
299 PINS
Footprint 20002



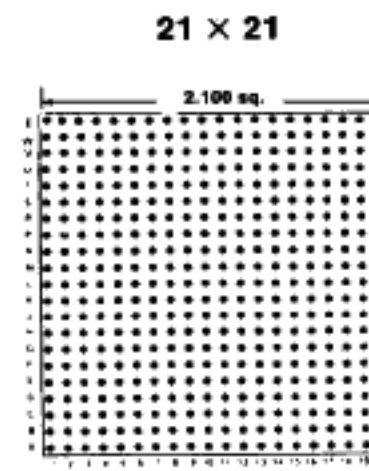
262 PINS
Footprint 20003



393 PINS
Footprint 20004



302 PINS
Footprint PGA-302



441 PINS
Footprint 21001

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