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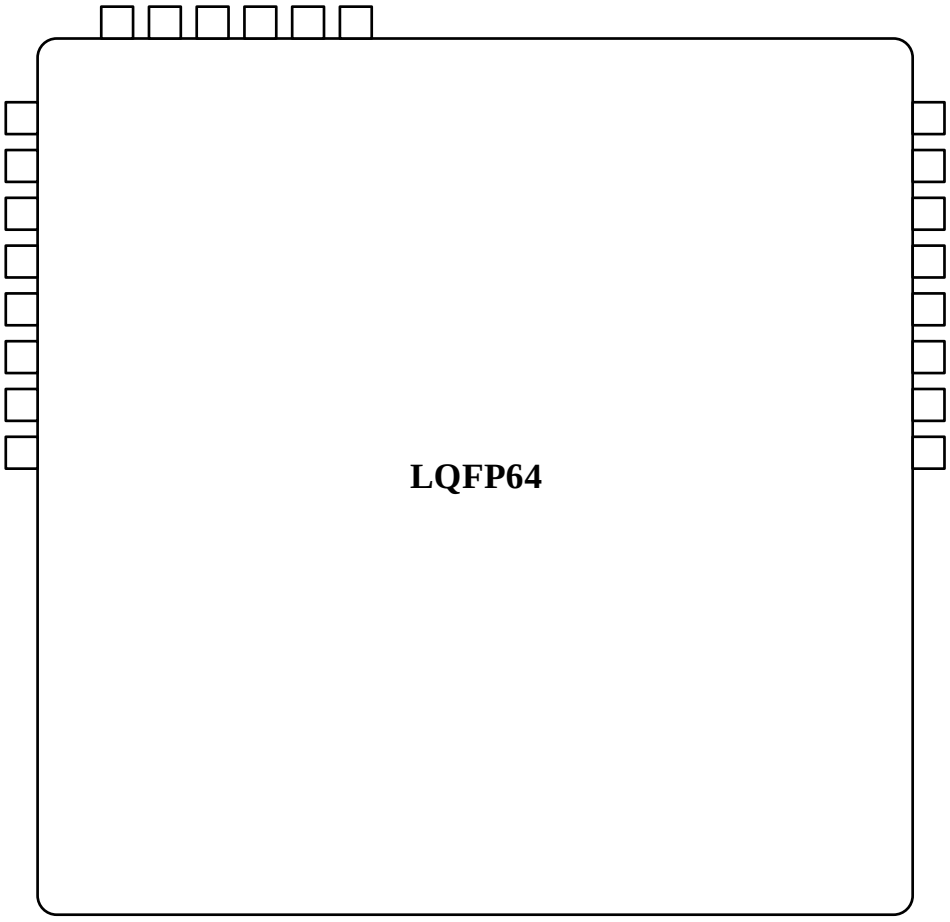
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3

3.1

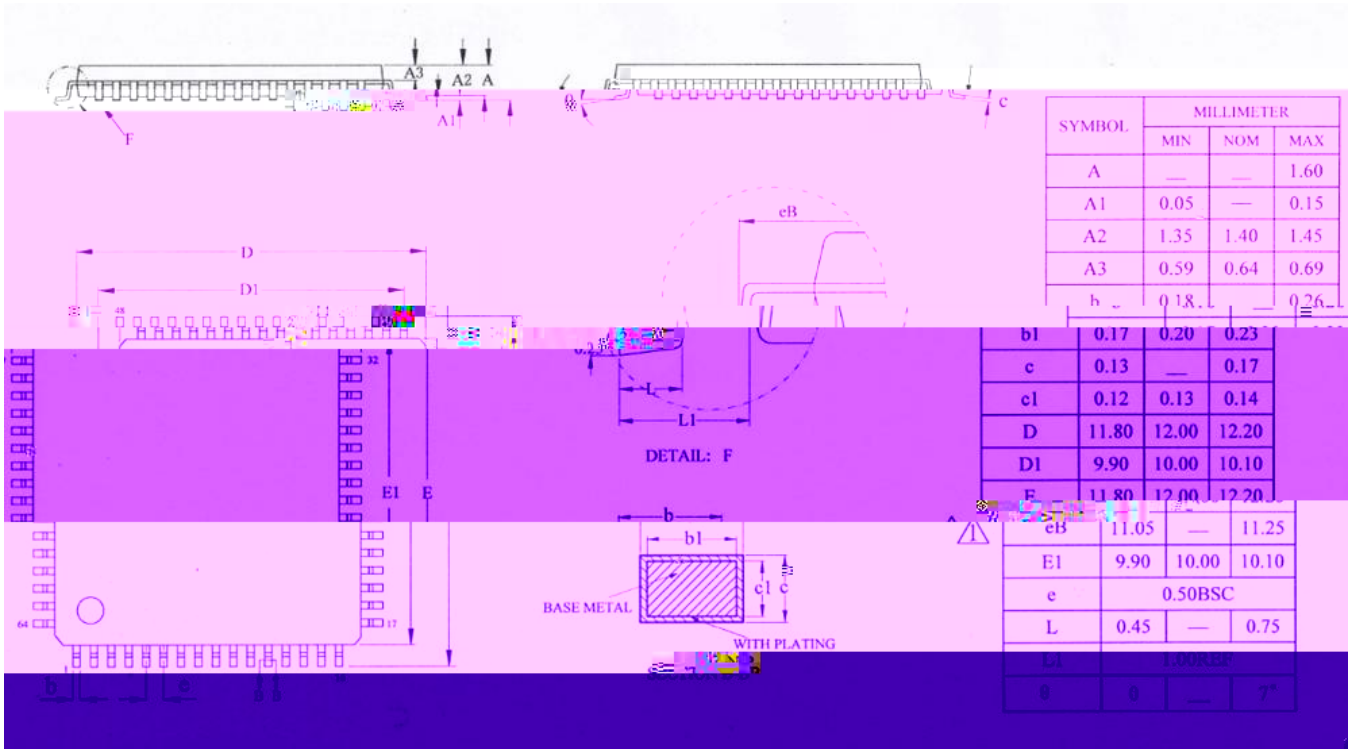
3.1.1



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3.1.2



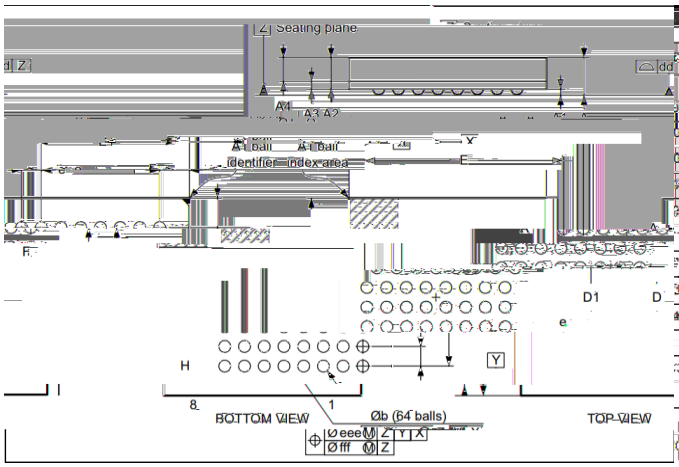
SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	—	—	1.60
A1	0.05	—	0.15
A2	1.35	1.40	1.45
A3	0.59	0.64	0.69
b	0.18	—	0.26
b1	0.17	0.20	0.23
c	0.13	—	0.17
c1	0.12	0.13	0.14
D	11.80	12.00	12.20
D1	9.90	10.00	10.10
E	11.80	12.00	12.20
eB	11.05	—	11.25
E1	9.90	10.00	10.10
e	0.50BSC		
L	0.45	—	0.75
L1	1.00REF		
θ	0	—	7°

3.2

3.2.1

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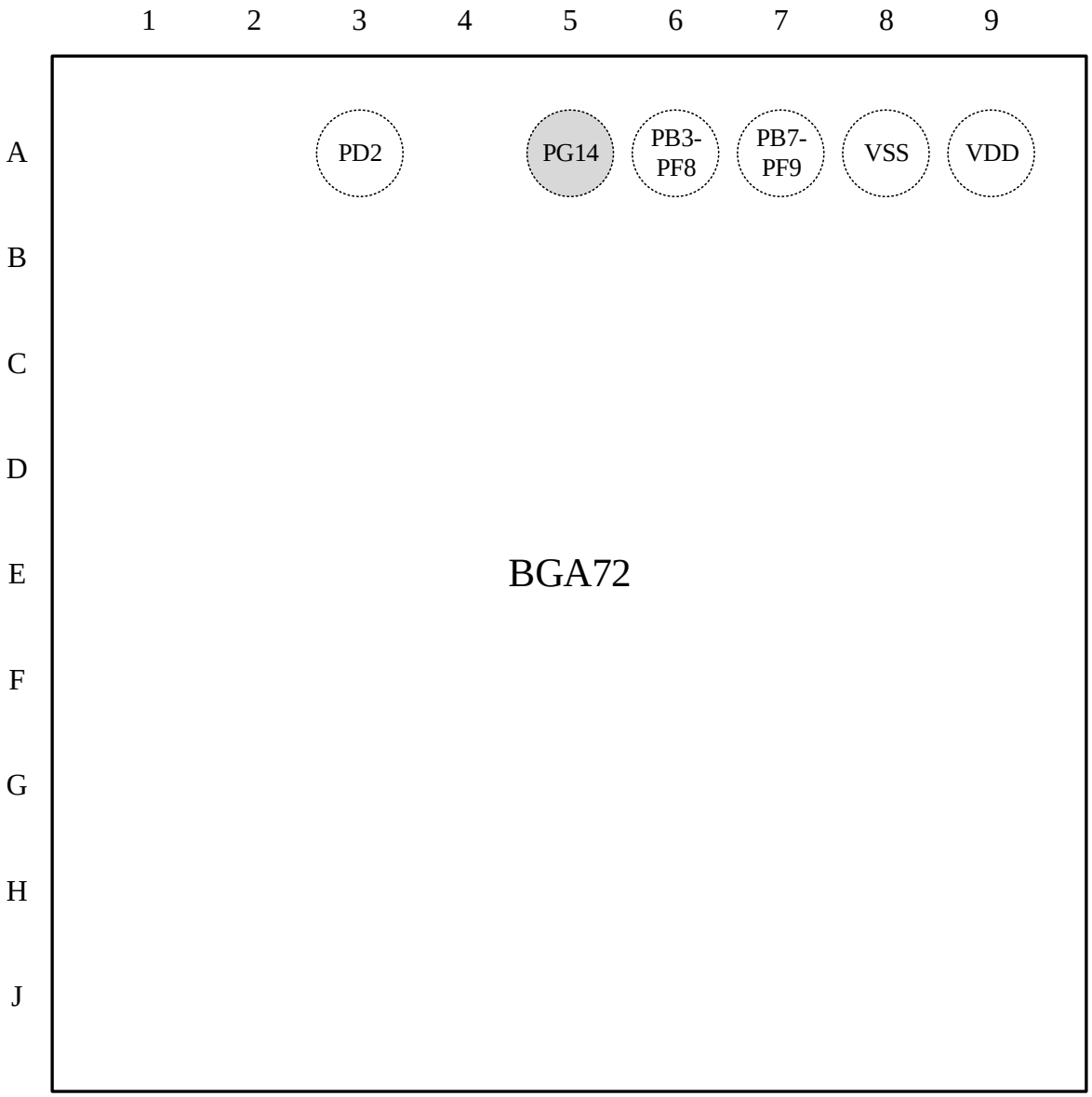
3.2.2



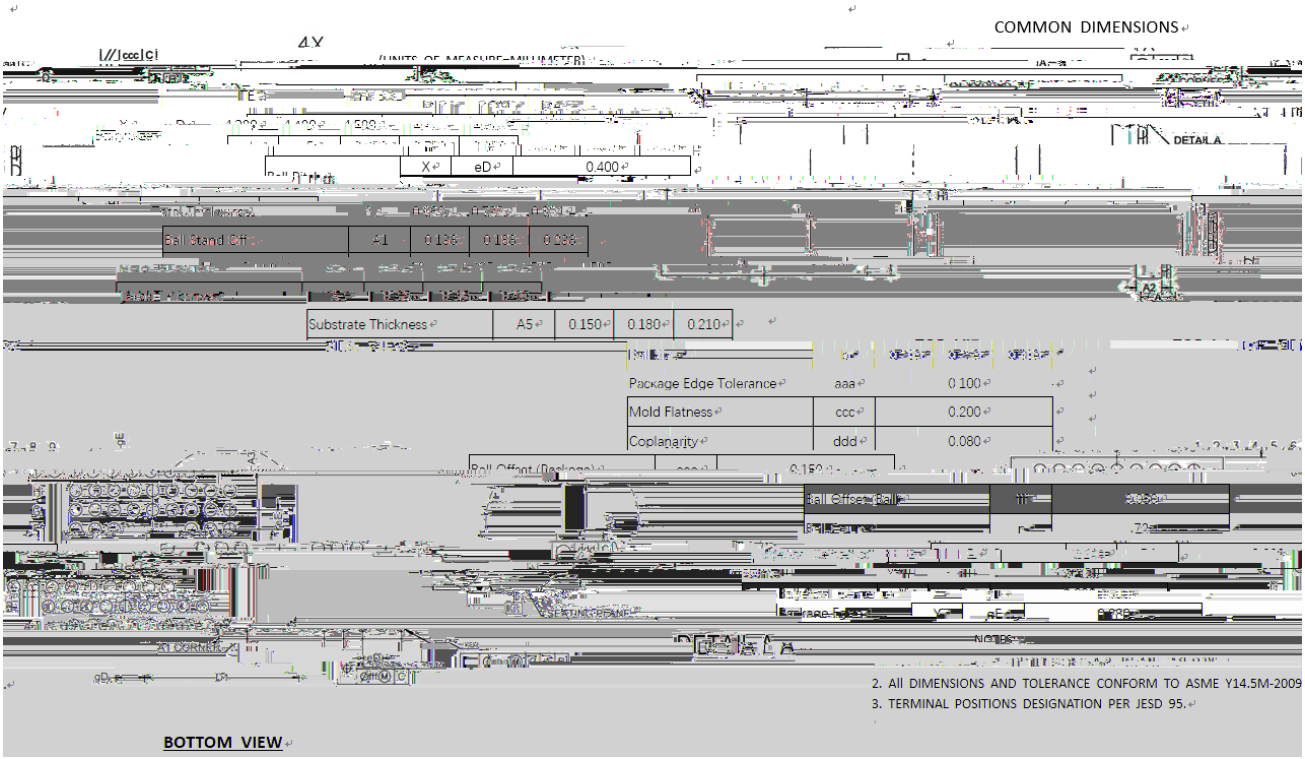
Symbol	Min	Typ	Max
A	0.450	0.530	0.600
A1	0.050	0.080	0.110
A3	0.080	0.130	0.180
D	3.550	3.650	3.750
D1	2.600		
e		0.0197	
F	0.300		
b	0.250	0.300	0.350
ddd			0.080
eee			0.150

3.3

3.3.1

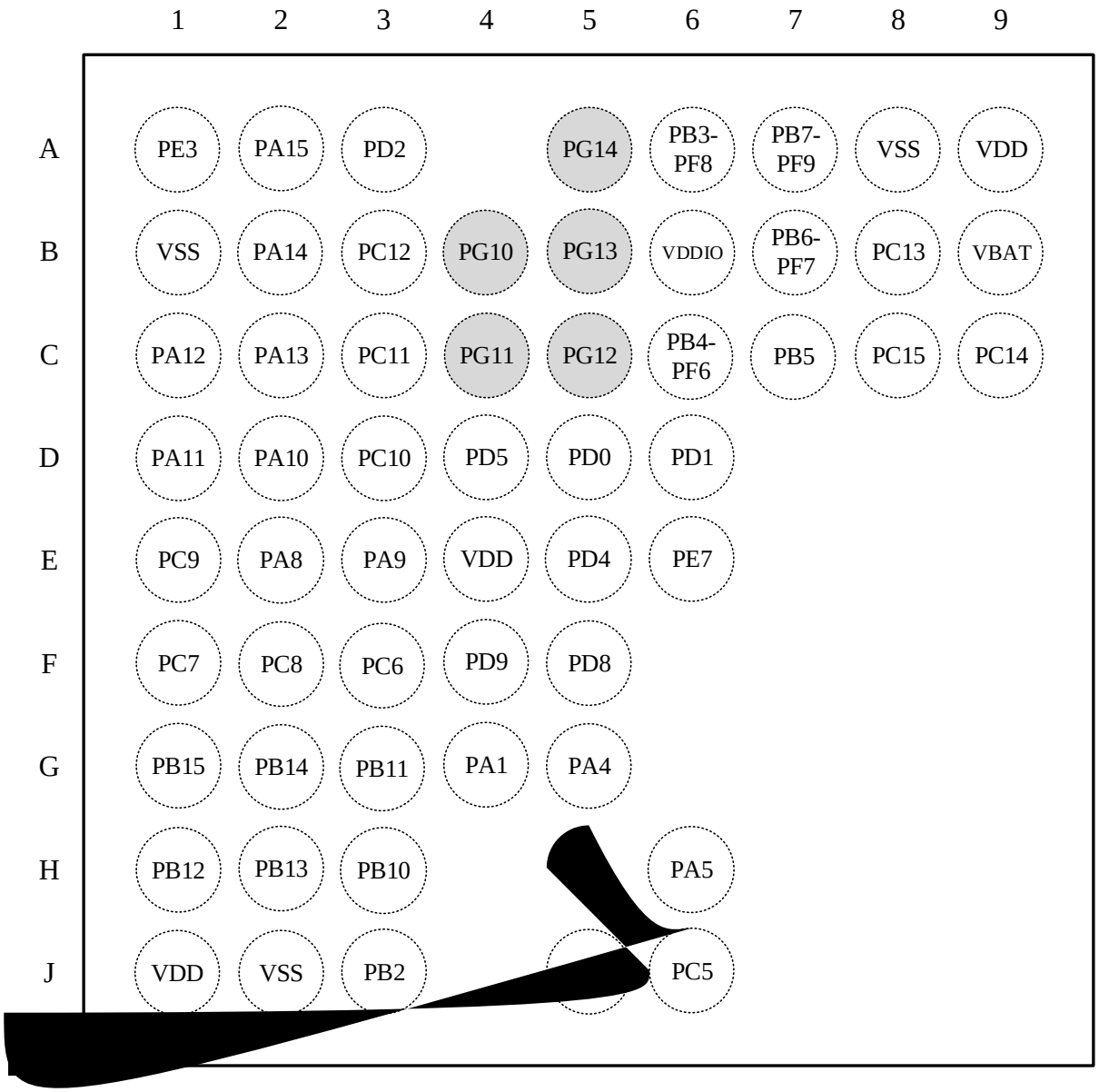


3.3.2

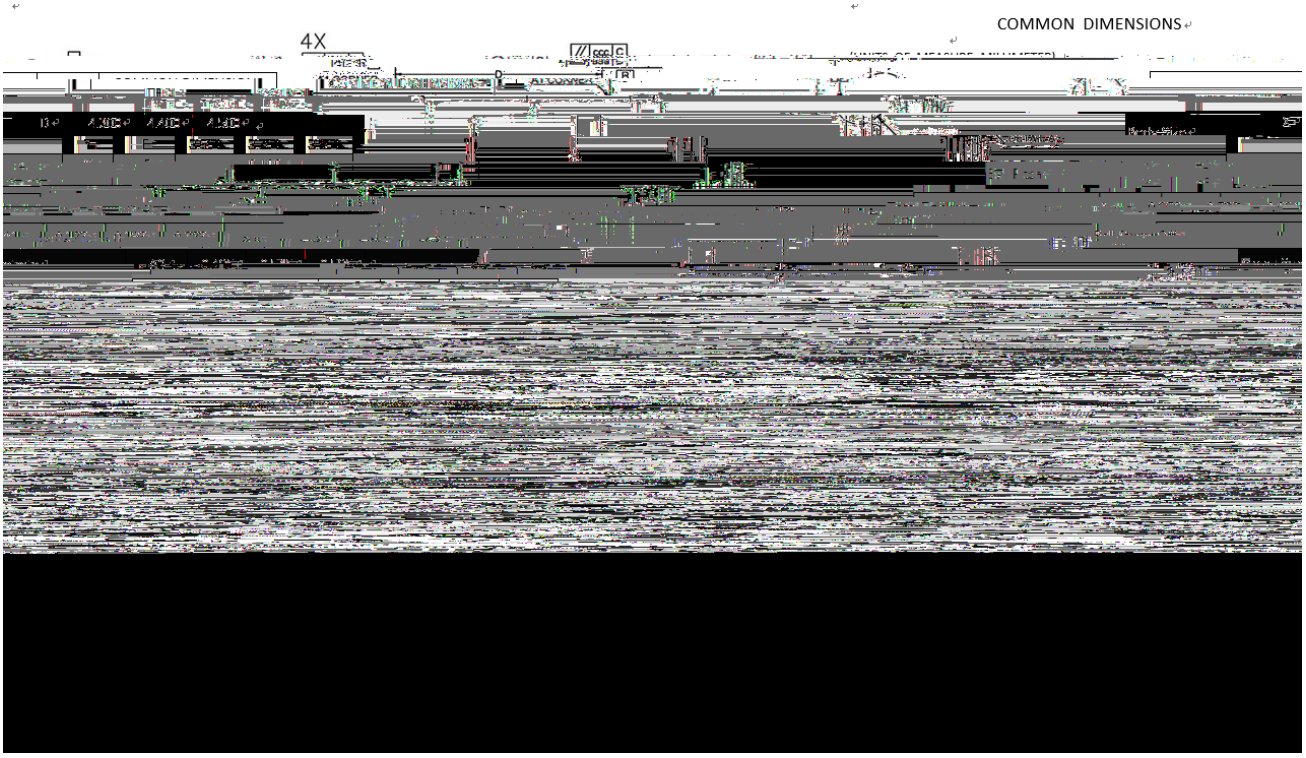

COMMON DIMENSIONS
DETAIL A
X eD 0.400
Ball Stand Off A1 0.130 0.180 0.230
Substrate Thickness A5 0.150 0.180 0.210
Package Edge Tolerance aaa 0.100
Mold Flatness ccc 0.200
Coplanarity ddd 0.080
2. All DIMENSIONS AND TOLERANCE CONFORM TO ASME Y14.5M-2009
3. TERMINAL POSITIONS DESIGNATION PER JESD 95.
BOTTOM VIEW

3.4

3.4.1


1 2 3 4 5 6 7 8 9
A PE3 PA15 PD2 PG14 PB3-PF8 PB7-PF9 VSS VDD
B VSS PA14 PC12 PG10 PG13 VDDIO PB6-PF7 PC13 VBAT
C PA12 PA13 PC11 PG11 PG12 PB4-PF6 PB5 PC15 PC14
D PA11 PA10 PC10 PD5 PD0 PD1
E PC9 PA8 PA9 VDD PD4 PE7
F PC7 PC8 PC6 PD9 PD8
G PB15 PB14 PB11 PA1 PA4
H PB12 PB13 PB10 PA5
J VDD VSS PB2 PC5

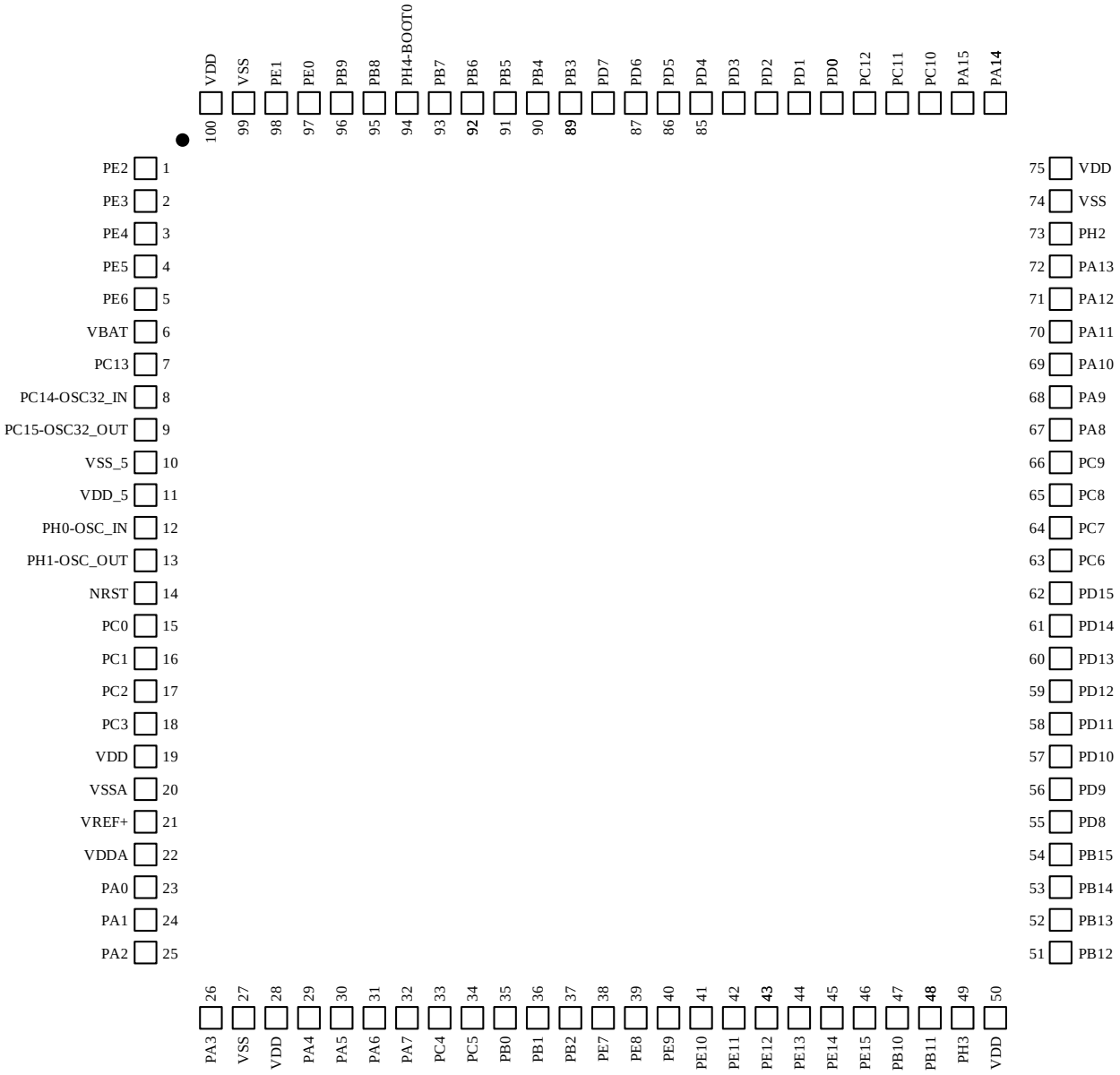
3.4.2



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3.5

3.5.1



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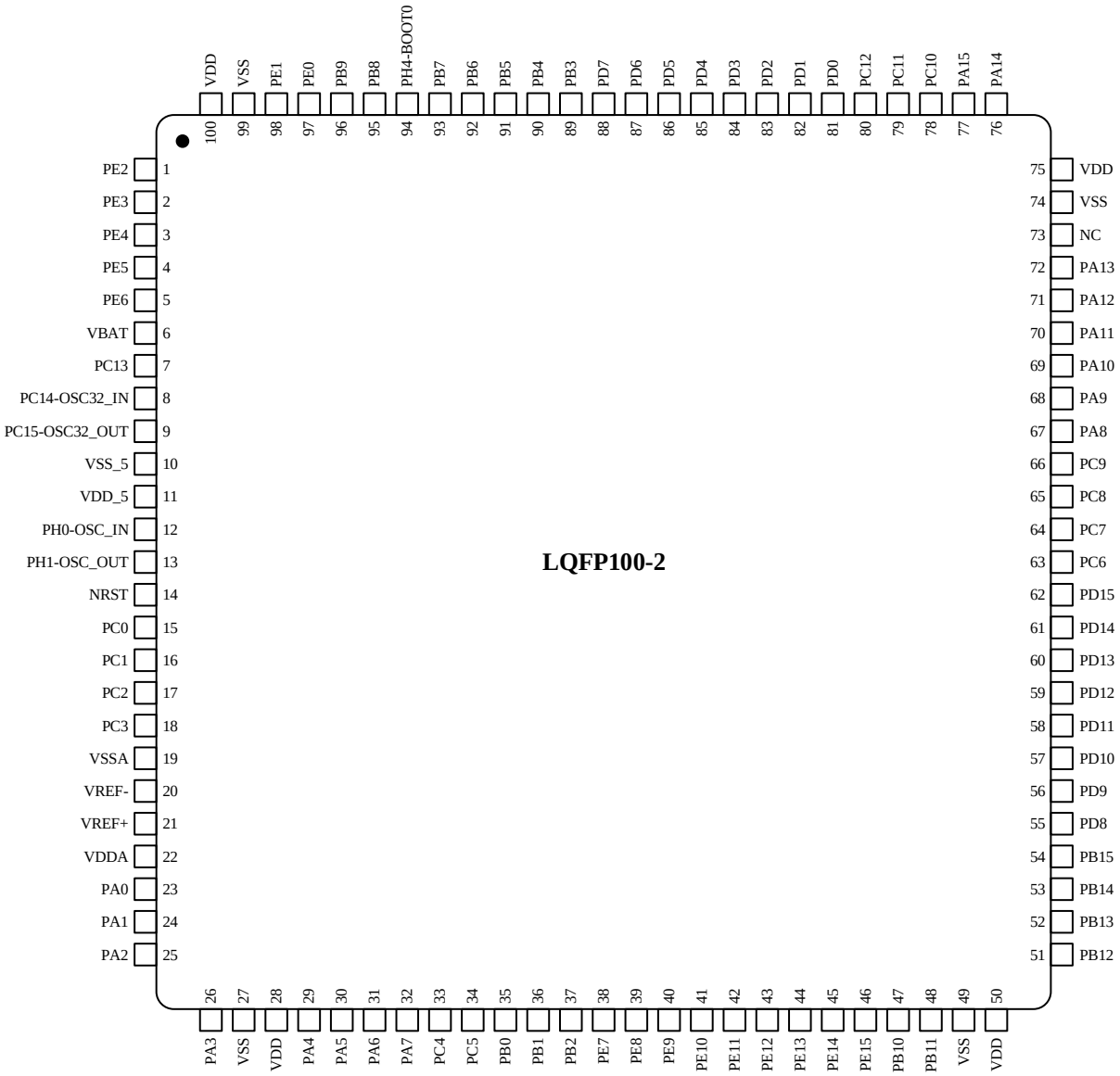
3.5.2



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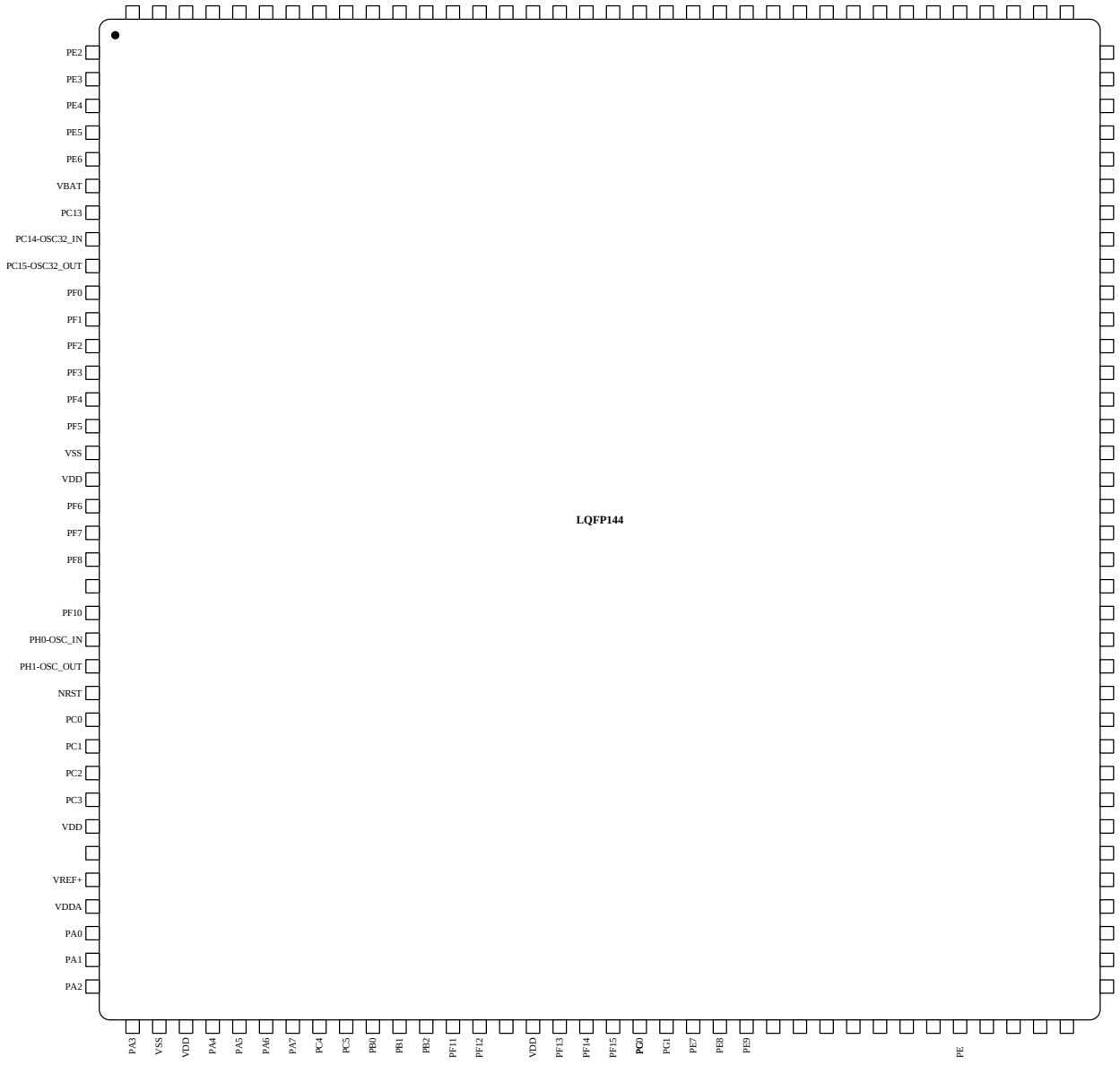
3.6

3.6.1


LQFP100-2
1 PE2
2 PE3
3 PE4
4 PE5
5 PE6
6 VBAT
7 PC13
8 PC14-OSC32_IN
9 PC15-OSC32_OUT
10 VSS_5
11 VDD_5
12 PH0-OSC_IN
13 PH1-OSC_OUT
14 NRST
15 PC0
16 PC1
17 PC2
18 PC3
19 VSSA
20 VREF-
21 VREF+
22 VDDA
23 PA0
24 PA1
25 PA2
26 PA3
27 VSS
28 VDD
29 PA4
30 PA5
31 PA6
32 PA7
33 PC4
34 PC5
35 PB0
36 PB1
37 PB2
38 PE7
39 PE8
40 PE9
41 PE10
42 PE11
43 PE12
44 PE13
45 PE14
46 PE15
47 PB10
48 PB11
49 VSS
50 VDD
51 PB12
52 PB13
53 PB14
54 PB15
55 PD8
56 PD9
57 PD10
58 PD11
59 PD12
60 PD13
61 PD14
62 PD15
63 PC6
64 PC7
65 PC8
66 PC9
67 PA8
68 PA9
69 PA10
70 PA11
71 PA12
72 PA13
73 NC
74 VSS
75 VDD
76 PA14
77 PA15
78 PC10
79 PC11
80 PC12
81 PD0
82 PD1
83 PD2
84 PD3
85 PD4
86 PD5
87 PD6
88 PD7
89 PB3
90 PB4
91 PB5
92 PB6
93 PB7
94 PH4-BOOT0
95 PB8
96 PB9
97 PE0
98 PE1
99 VSS
100 VDD

3.7

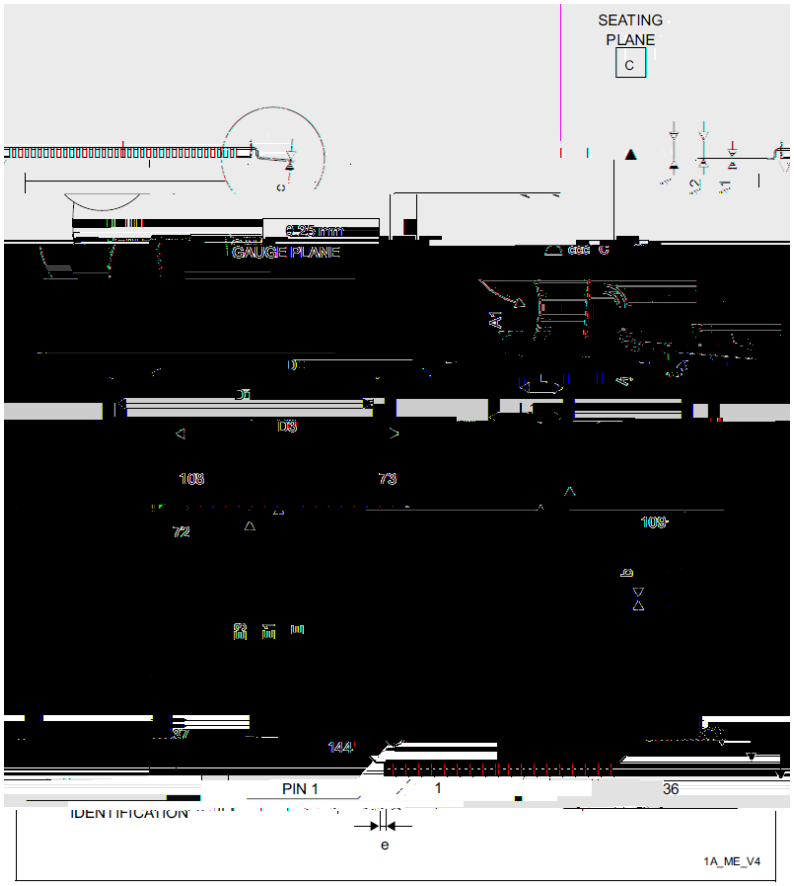
3.7.1



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3.7.2



Symbol	millimeters			inches(1)		
	Min	Typ	Max	Min	Typ	Max
0.0630	A		-	1.600		-
0.0059	A1	0.050	-	0.150	0.0020	
0.0571	A2	1.350	1.400	1.450	0.0531	0.0551
0.0087	0.0106	b	0.170	0.220	0.270	0.0067
0.7795	0.7874	0.7953	D1	19.800	20.000	20.200
	0.689		D3		17.500	
		17.500			0.6890	
0.0197	-	e	-	0.500	-	-
0.0236	0.0295	L	0.450	0.600	0.750	0.0177
0.0394	-	L1	-	1.000	-	-
3.5°	7°	k	0°	3.5°	7°	0°
-	0.0031	ccc	-	-	0.080	-

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