



国民技术

N32H492xE/xG

N32H492											
32 bit ARM Cortex-M4F				240MHz				DSP			
1MB		Flash		320KB SRAM		80KB CCM SRAM		+ 4KB Backup SRAM		3 12bit 4.7Mpps	
ADC 2		12bit DAC		USB FS Device		USB HS Host/Device		U(S)ART		I2C SPI CAN-FD Ethernet	
		SDIO		FEMC xSPI		SDRAM		I2S			
								AES/TDES		SHA SM3 SM4	
MD5		TRNG				CRC16/32					

CPU

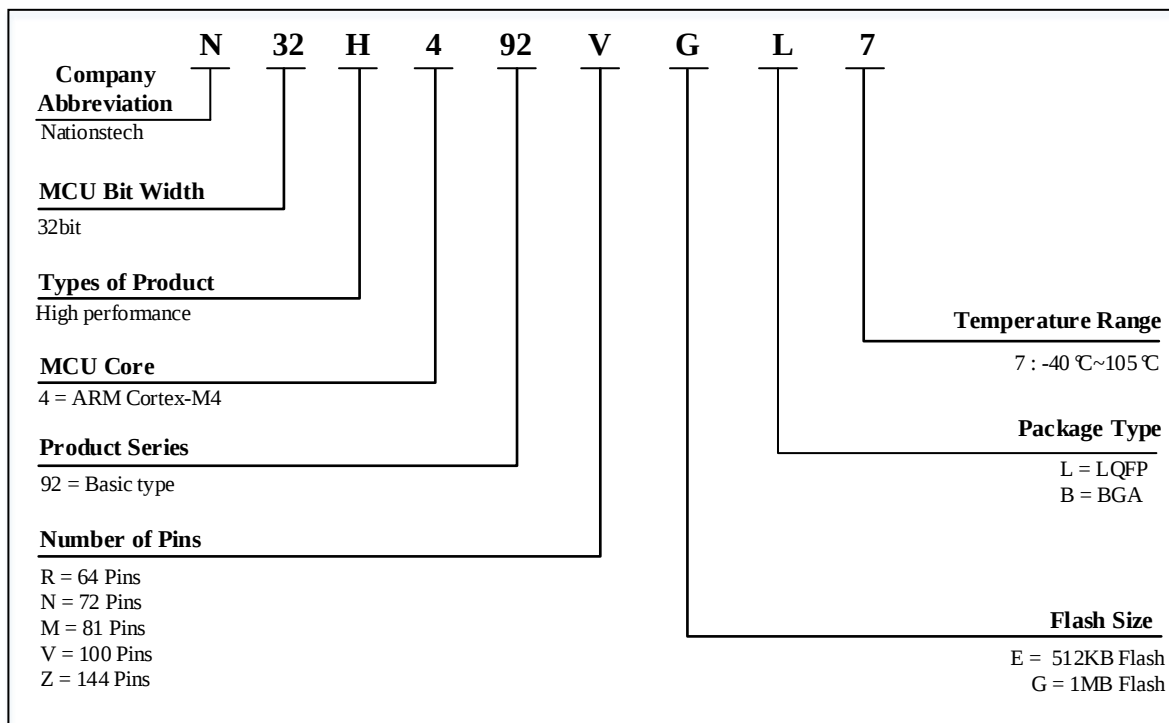
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118 GPIOs PD6~PD7 PG9~PG15 9 IO VDDIO

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(1)			(2)	SPQ ⁽³⁾	

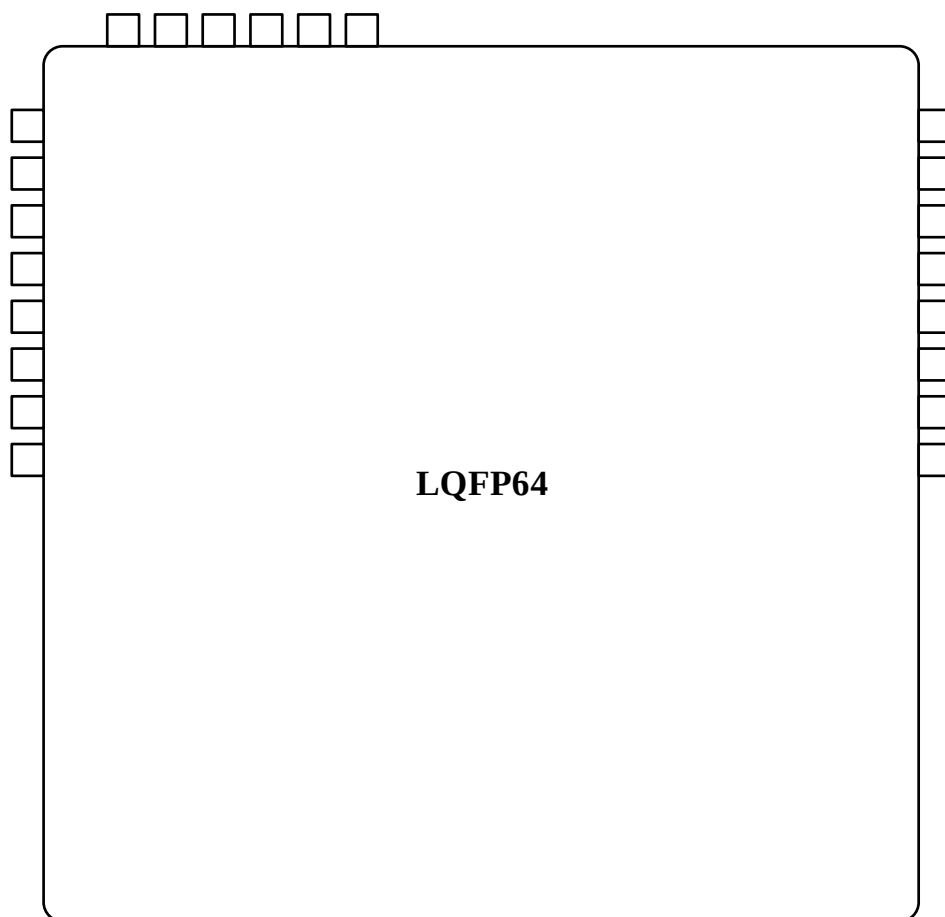
- 1.
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		N32H492RE/RG L7		N32H492RE/RG B7		N32H492NE/NG B7		N32H492ME/M GB7		N32H492VE/VG L7		N32H492ZE/ZG L7	
		1.8~3.6V/-											
CPU		ARM Cortex-M4F @240MHz, 300DMIPS											
Flash KB		512	1024	512	1024	512	1024	512	1024	512	1024	512	1024
Total SRAM (KB)	General SRAM	240 ⁽¹⁾											
	CCM SRAM ⁽²⁾	80 ⁽³⁾											
	Backup SRAM	4											
	ATIM	3*16bit											
	GTIM	5*16bit											
		2*32bit ⁽⁴⁾											
		3*16bit ⁽⁵⁾											
	BTIM	2*32bit											
	LPTIM	2*16bit											
	SysTick timer	1											
	WWDG	1*14bit											

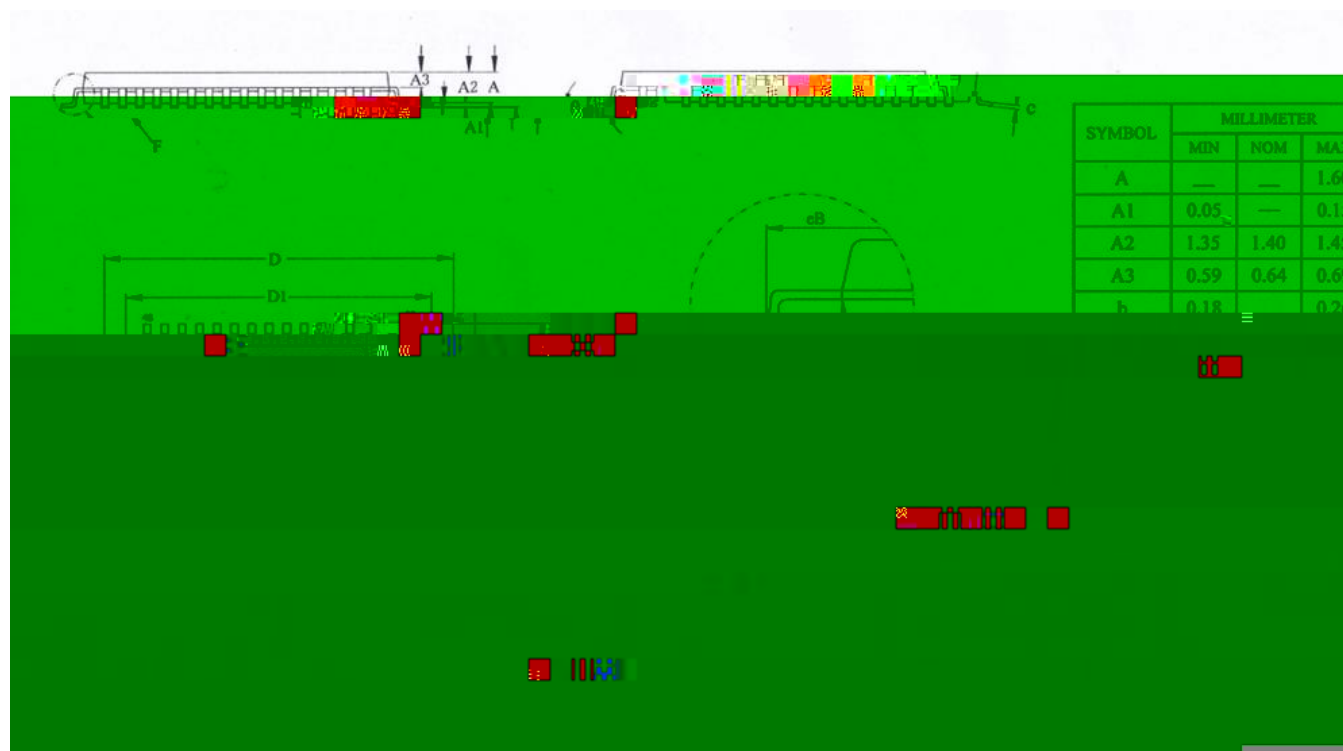
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~ 1 LQFP64

3.1.1 LQFP64



3.1.2 LQFP64

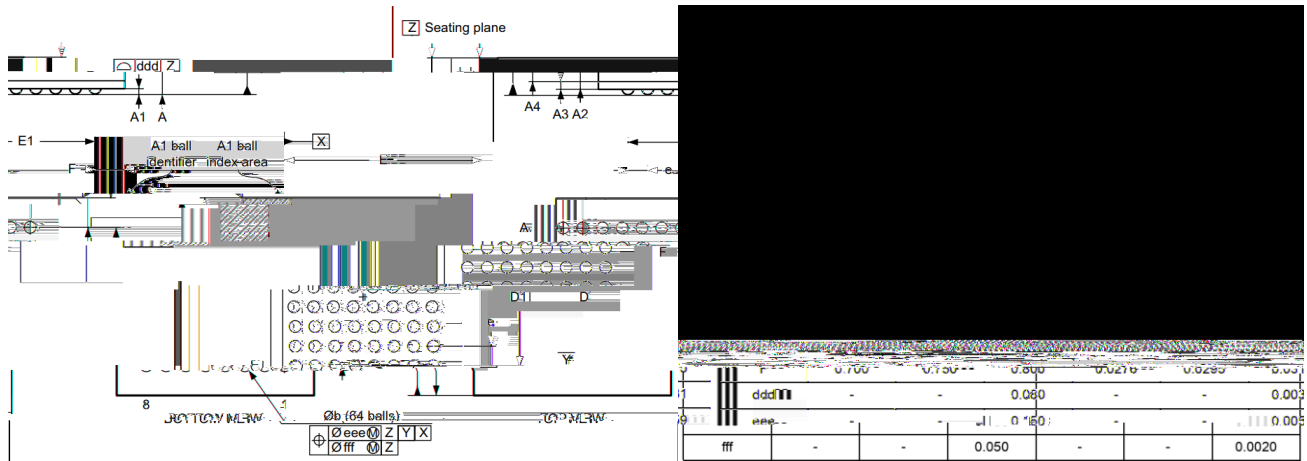




3.2 BGA64

3.2.1 BAG64

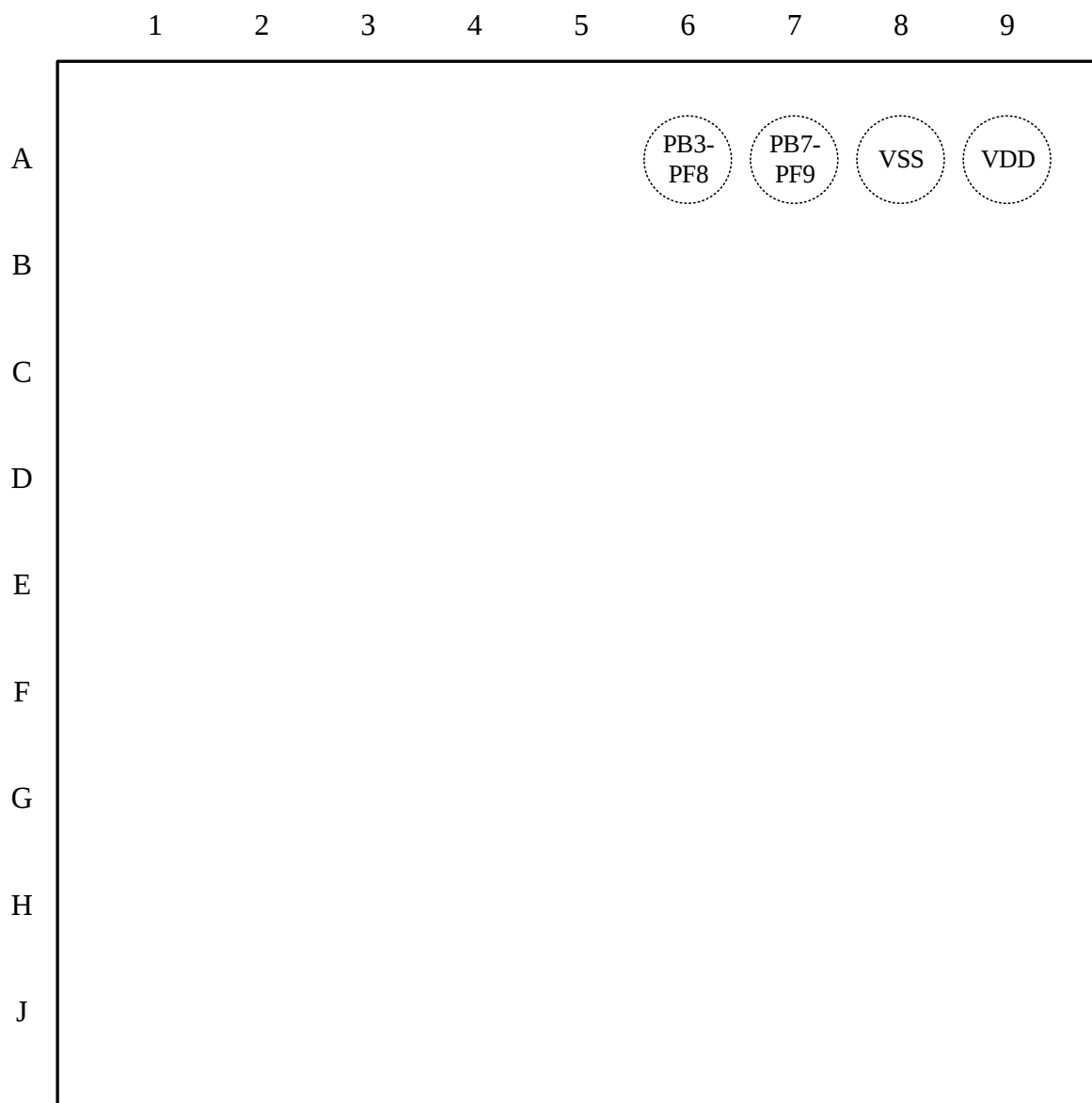
3.2.2 BGA64





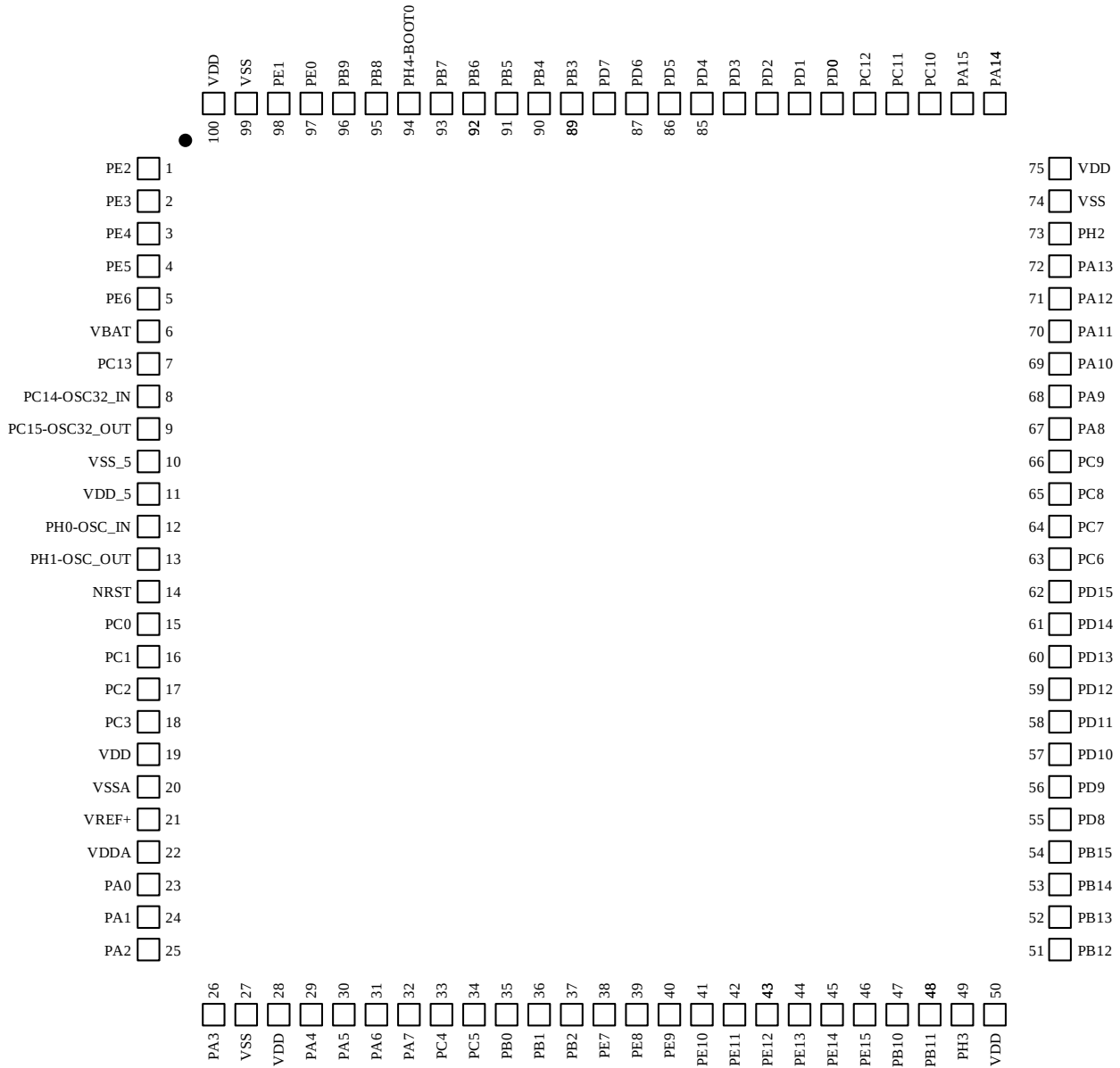
3.4 BGA81

3.4.1 BGA81

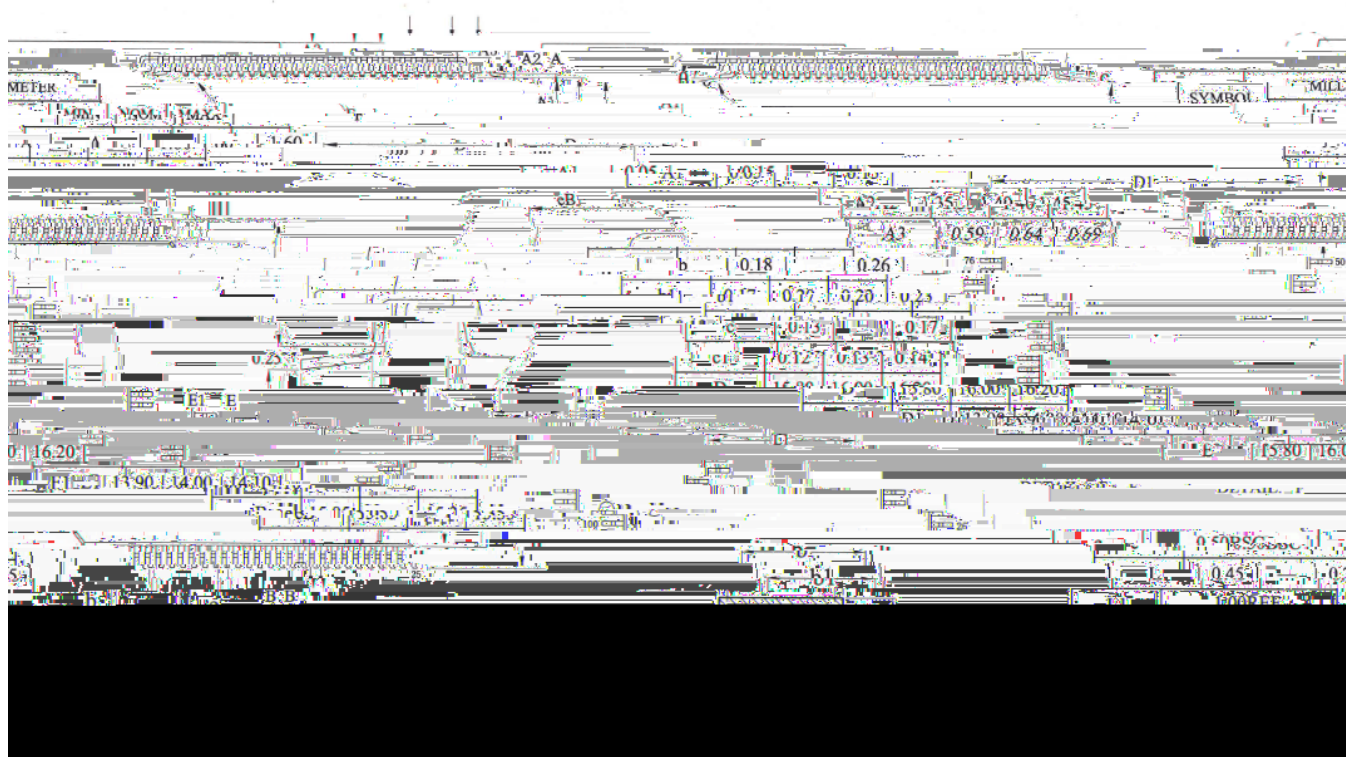


3.5 LQFP100

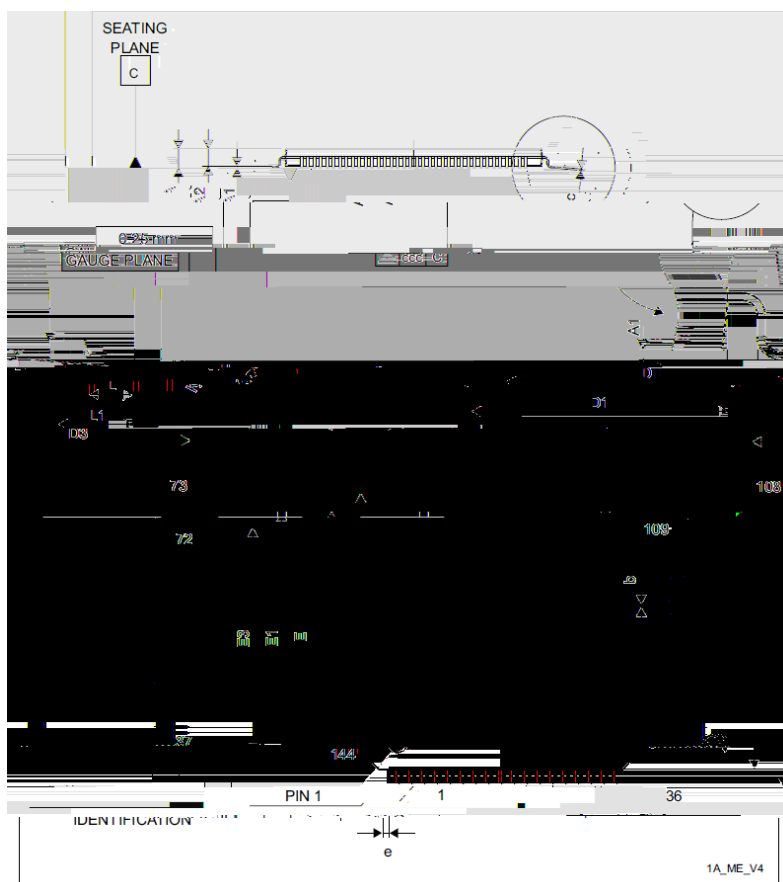
3.5.1 LQFP100



LQFP100



3.6.2 LQFP144



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
0.0106	b	0.170	0.220	0.270	0.0067	0.0087
0.7795	D1	0.7874	0.7953	19.800	20.000	20.200
-	D3	0.689	-	17.500	-	-
E3	-	-	17.500	-	-	0.6890
-	e	-	0.500	-	-	-
0.0236	L	0.0295	0.450	0.600	0.750	0.0
-	L1	-	-	1.000	-	-
3.5°	k	7°	0°	3.5°	7°	0
-	ccc	-	-	-	0.080	-

4

		1. 2.

