

x8/xB

N32L40X	32 bit ARM Cortex-M4					64MHz	DSP				
128KB	Flash	24KB SRAM				1	12bit 4.4Msps ADC	2			
	2		1	1Msps 12bit DAC		24	U(S)ART				
LPUART	I2C	SPI	USB	CAN		,Segment LCD		,			

● CPU

32 ARM Cortex-M4 + FPU DSP MPU
2KB Cache Flash 0
64MHz 80DMIPS

●

128KByte Flash ECC 10 10
24KByte SRAM 16Kbyte SRAM1(Stop2) 8 Kbyte SRAM2(Standby Stop2
)

●

Power down 0.25uA
Standby 1uA IO RTC Run 8KByte Retention SRAM2
Stop2 2uA RTC Run 8KByte Retention SRAM2 CPU IO
Run 60uA/MHz @64MHz /3.3V

●

1 12bit 4.4Msps ADC 6bit 8Msps 16
2 32
2 64 COMP1
24 MCU
1 12bit DAC 1Msps
2.048V
1.8~3.6V

●

4MHz~32MHz
32.768KHz
RC(HSI) 16MHz
RC(MSI) 100K~4M
RC(LSI) 40KHz

THXTEK TECHNOLOGY

NATIONS FOR H&Q

AES DES TDES SHA1/224/256 SM1 SM3 SM4 SM7
Flash MMU
TRNG
CRC16/32
WRP RDP L0/L1/L2

● 96 UID 128 UCID

●

1.8V~3.6V
-40 105

ESD 4KV HBM , 1KV CDM

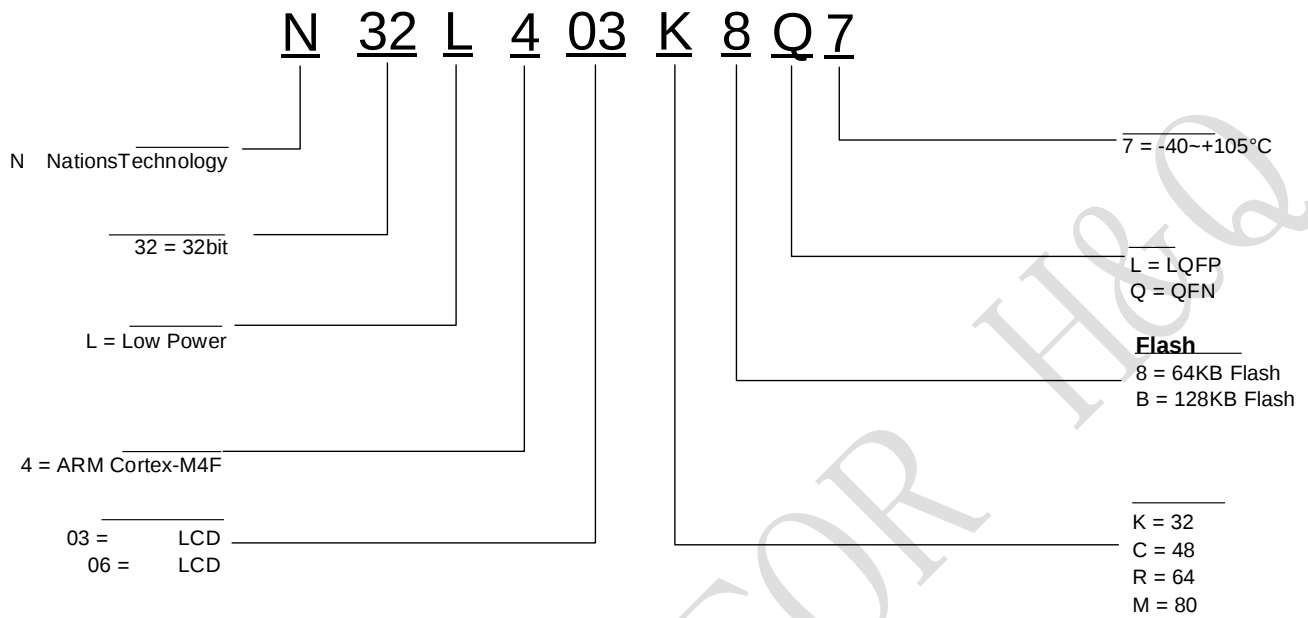
●

QFN32(4mm x 4mm)
QFN48(6mm x 6mm)
LQFP48(7mm x 7mm)
QFN64(8mm x 8mm)
LQFP64(10mm x 10mm)
LQFP80(12mm x 12mm)

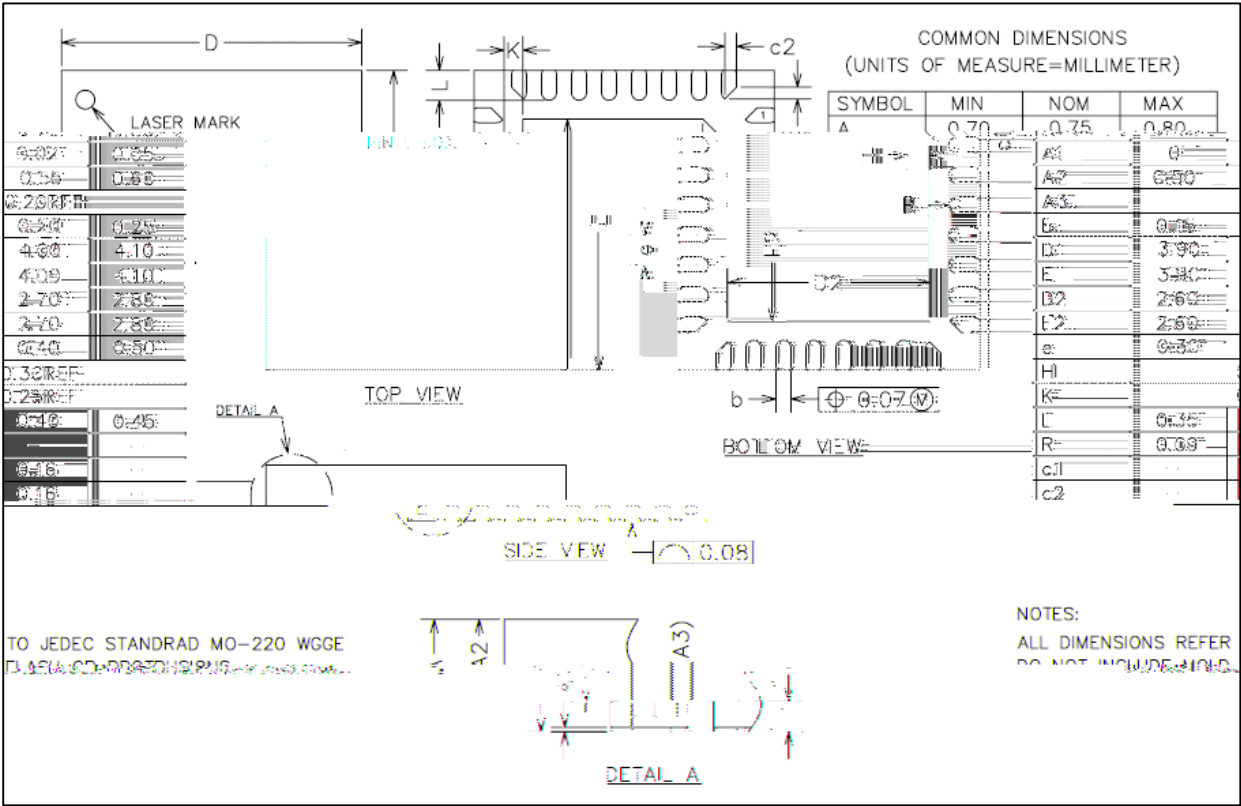
●

N32L40xx8	N32L403K8Q7 N32L406C8Q7 N32L406R8Q7
N32L40xxB	N32L403KBQ7 N32L406CBL7 N32L406RBL7,N32L406MBL7

1.

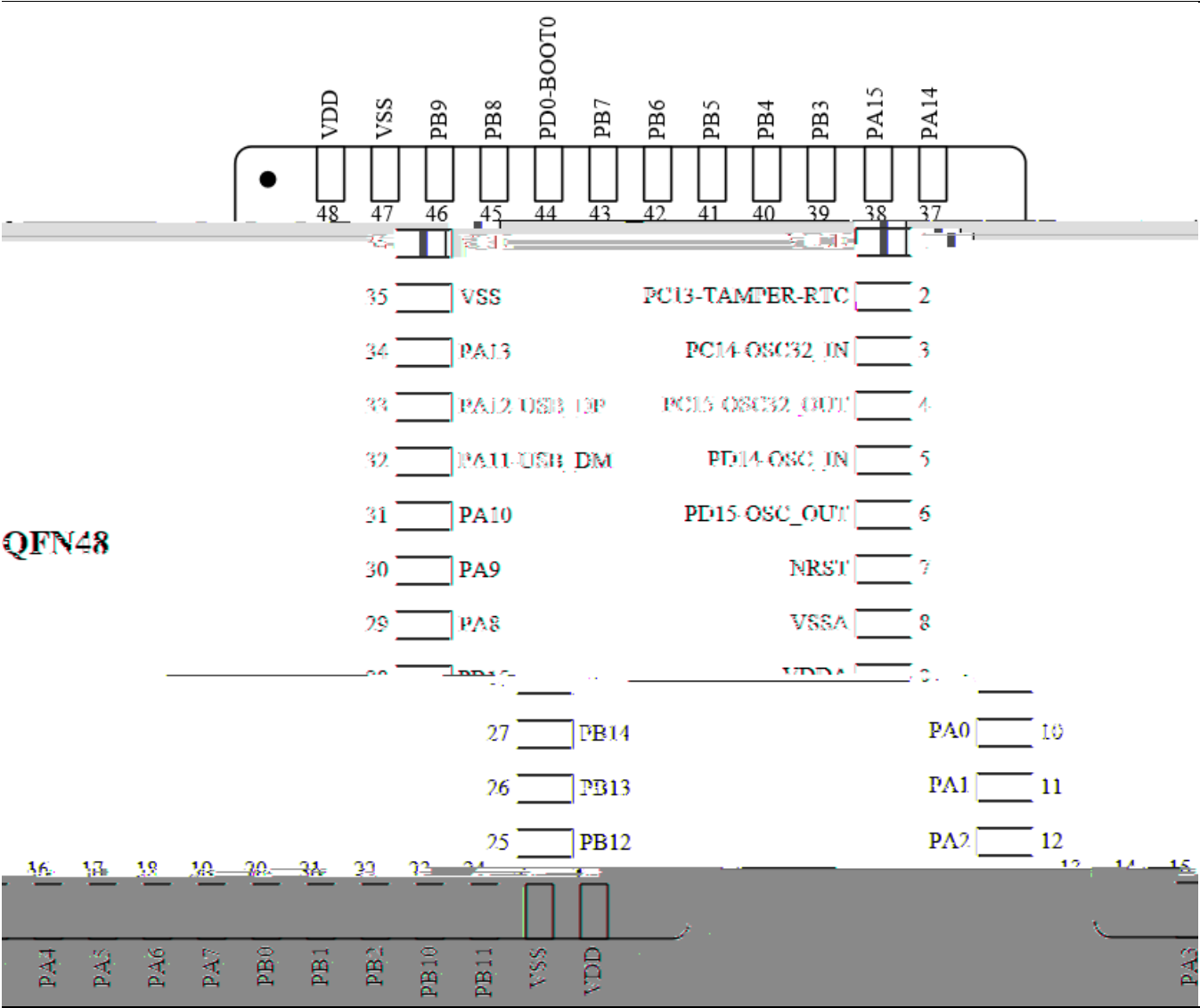


NATIONS FOR H

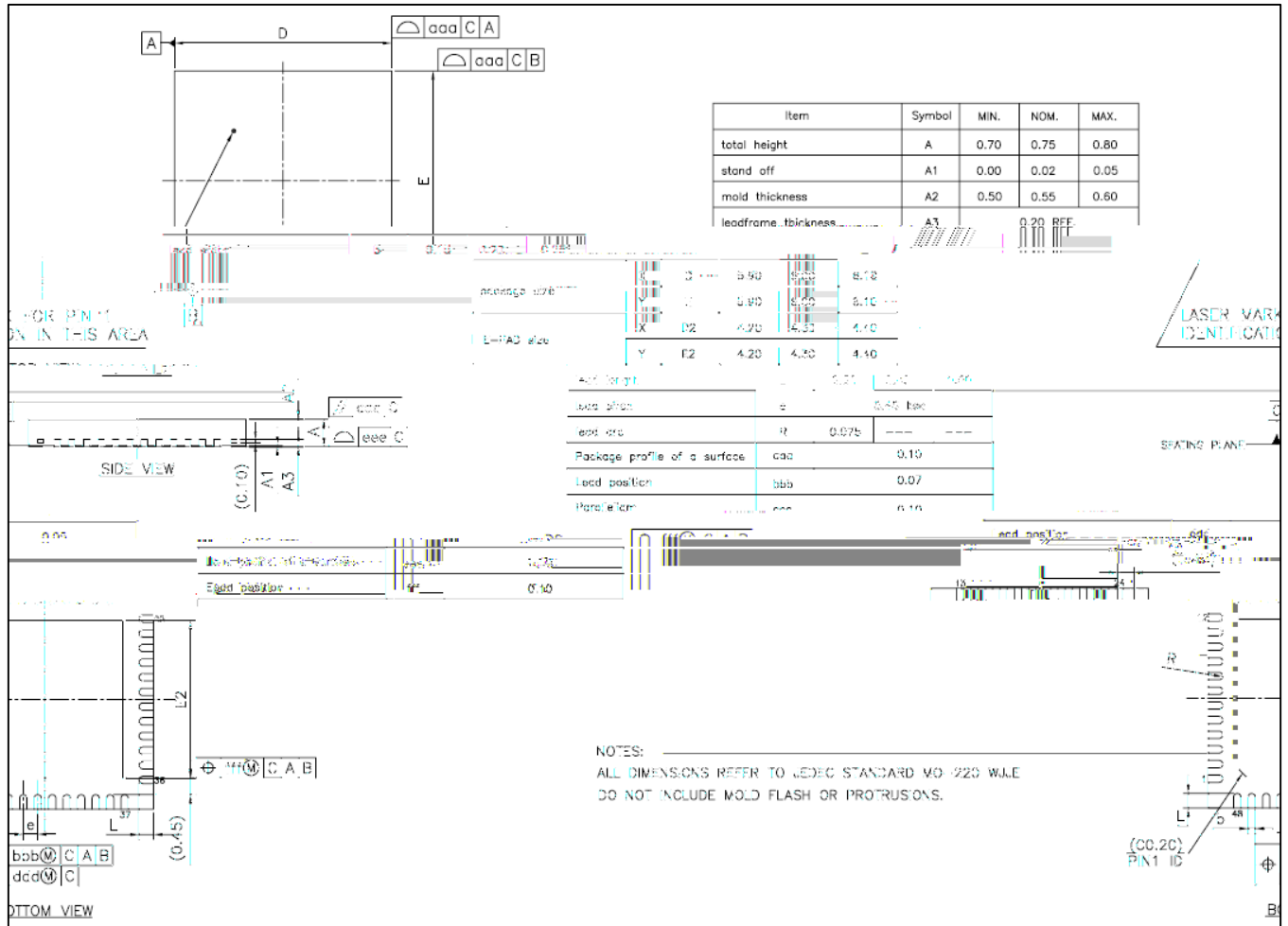


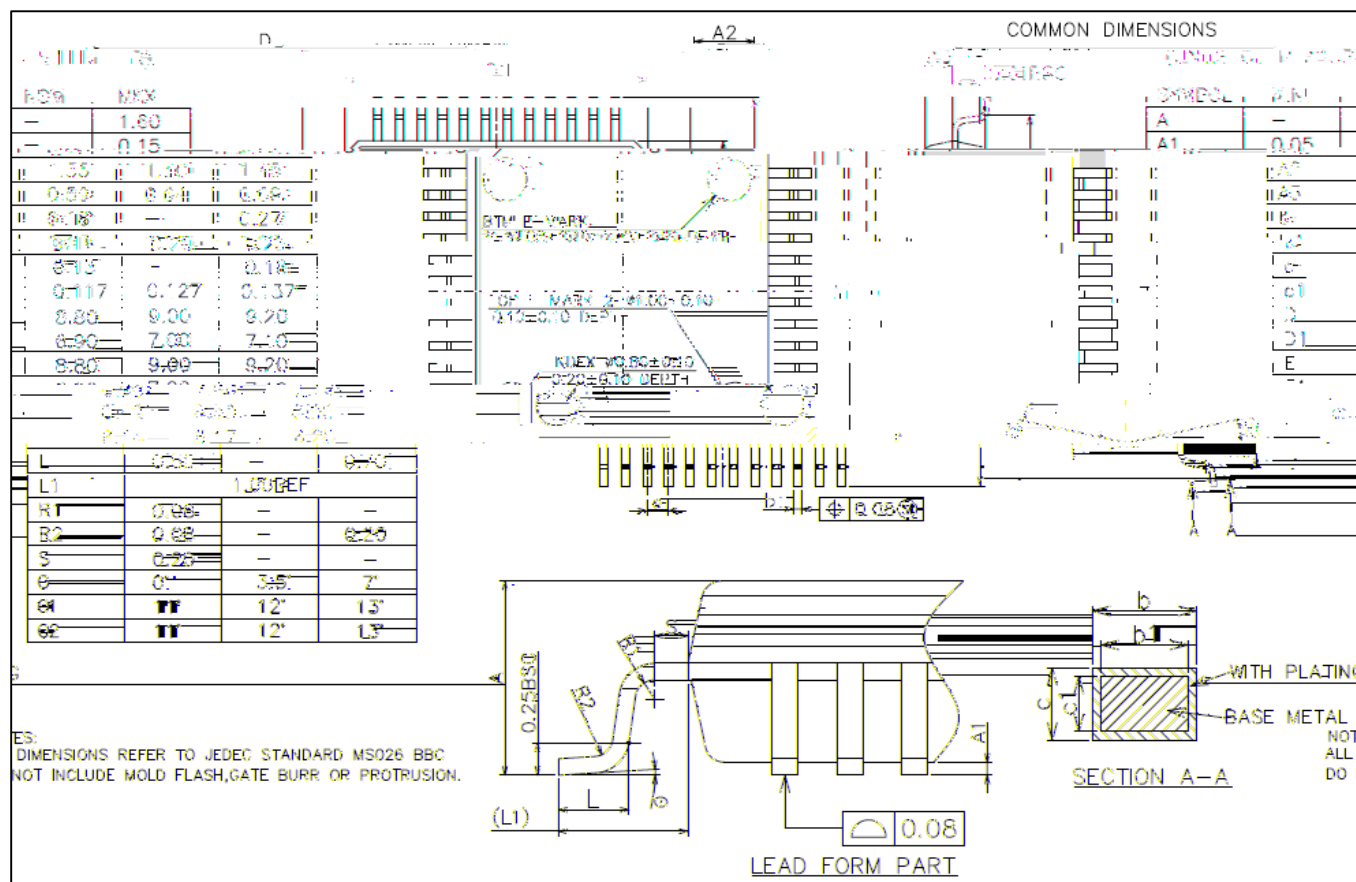
3.2

3.2.2

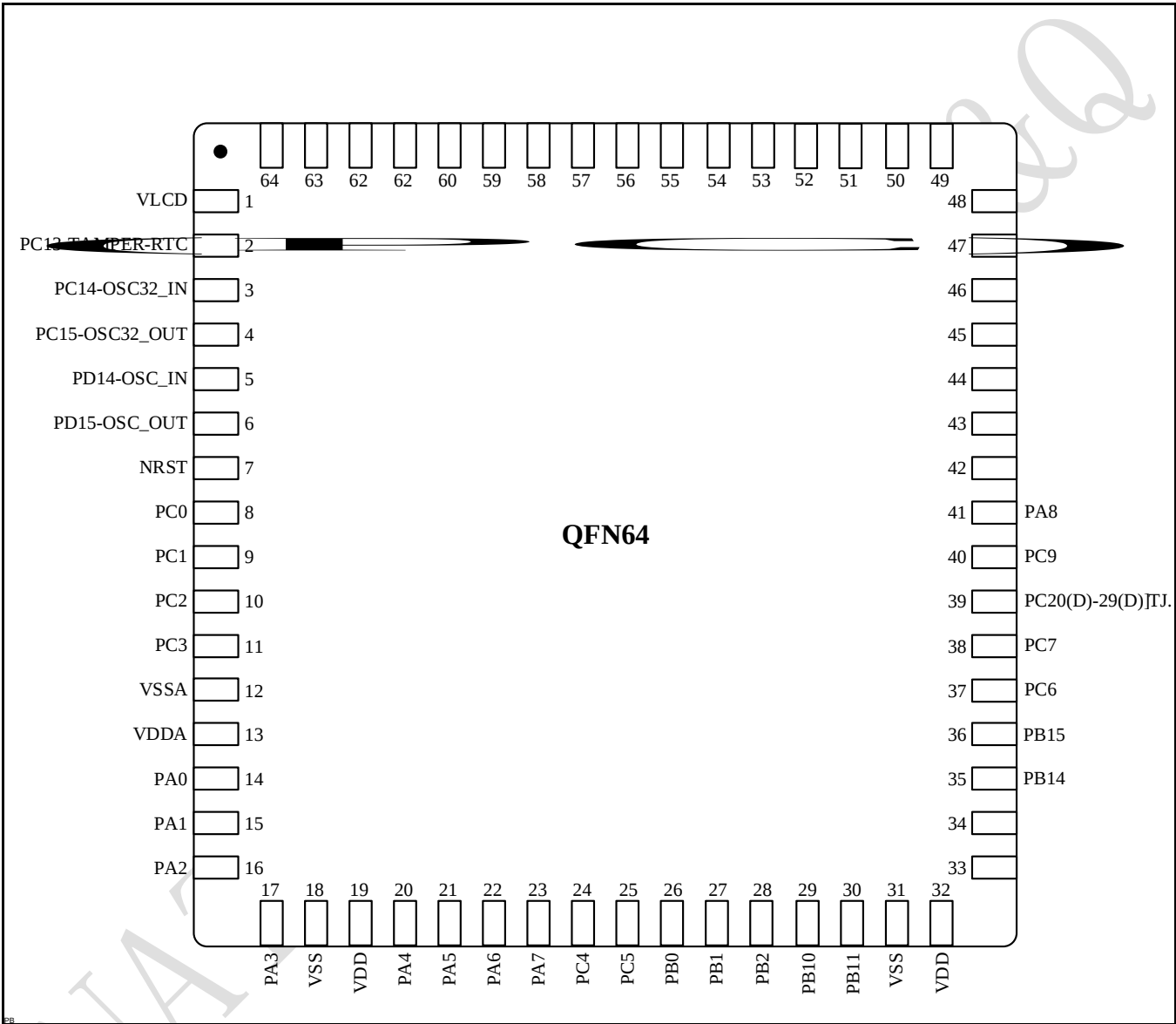


3.2.2

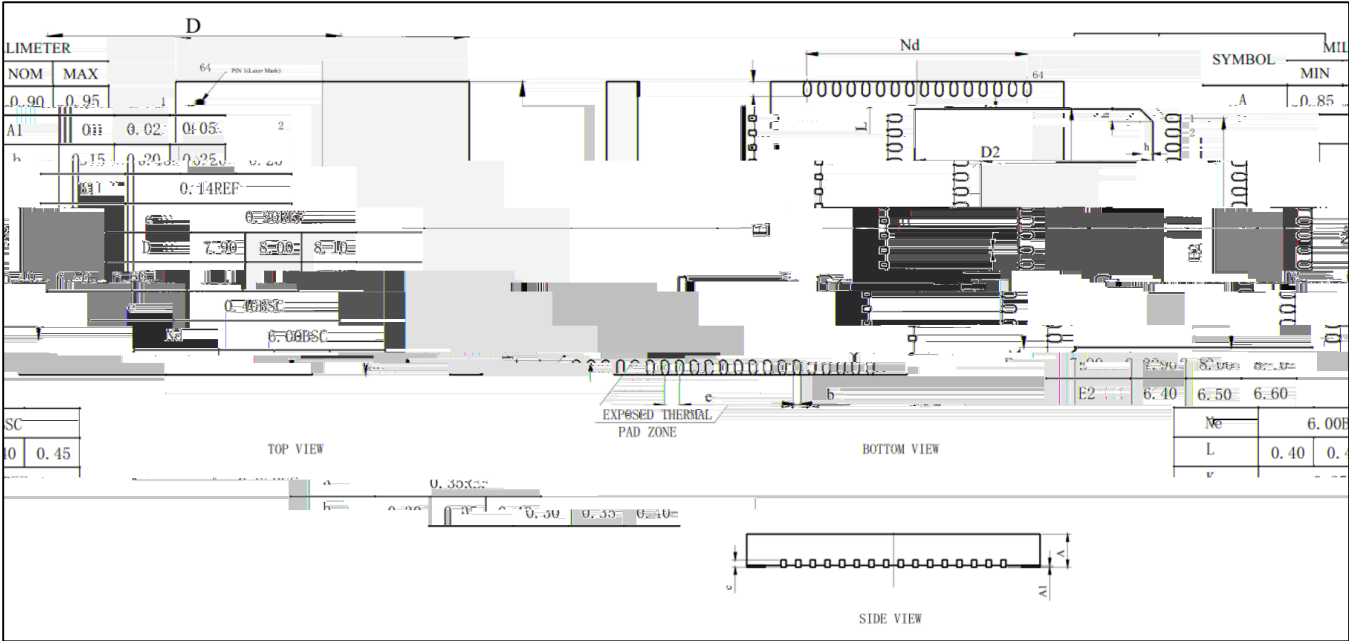


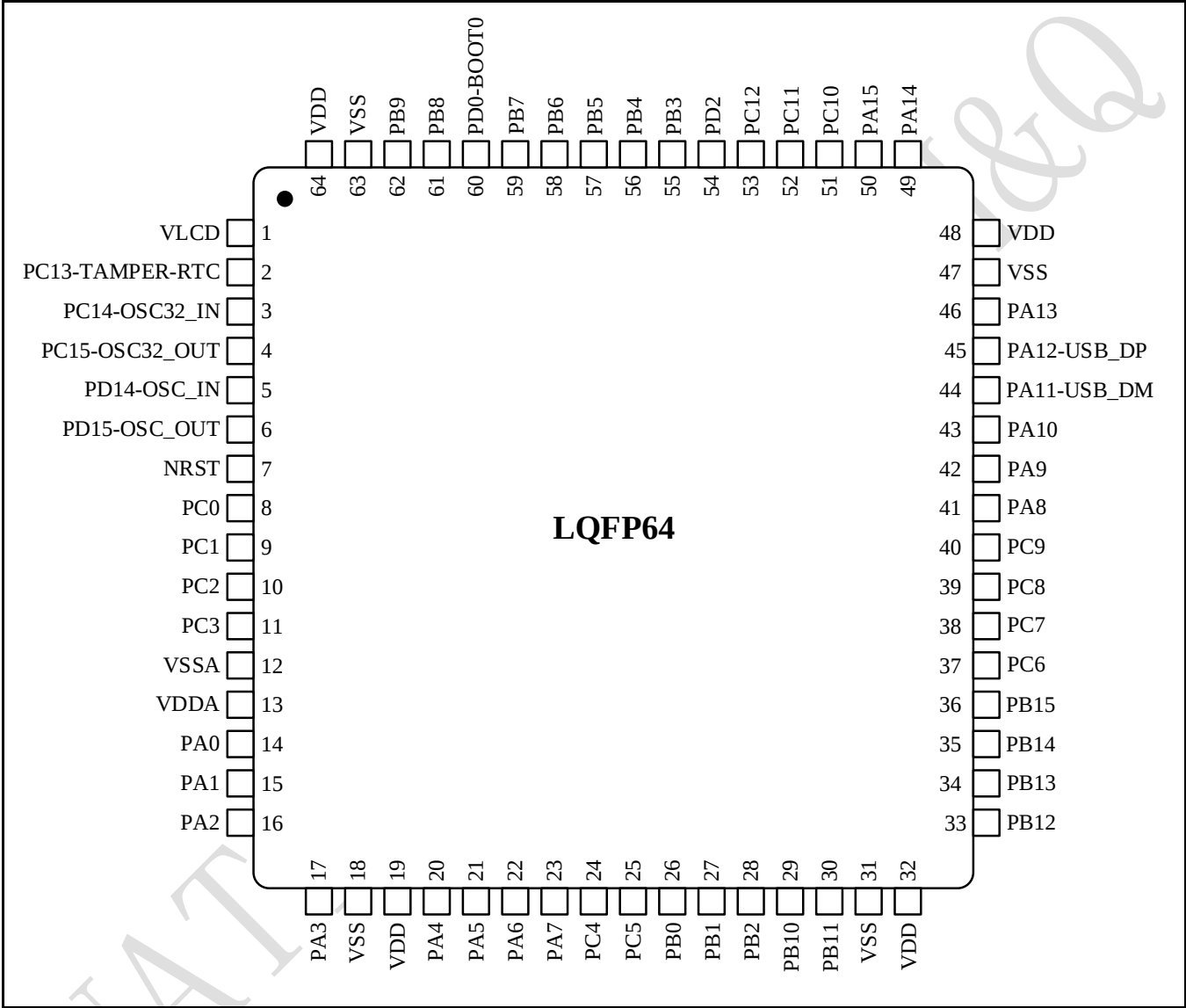


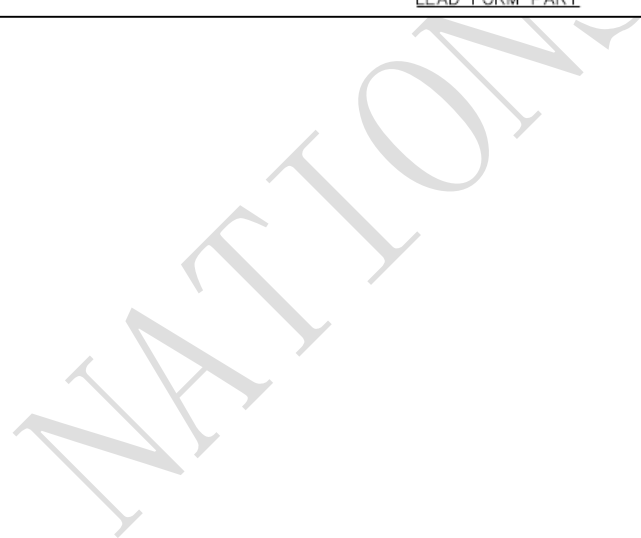
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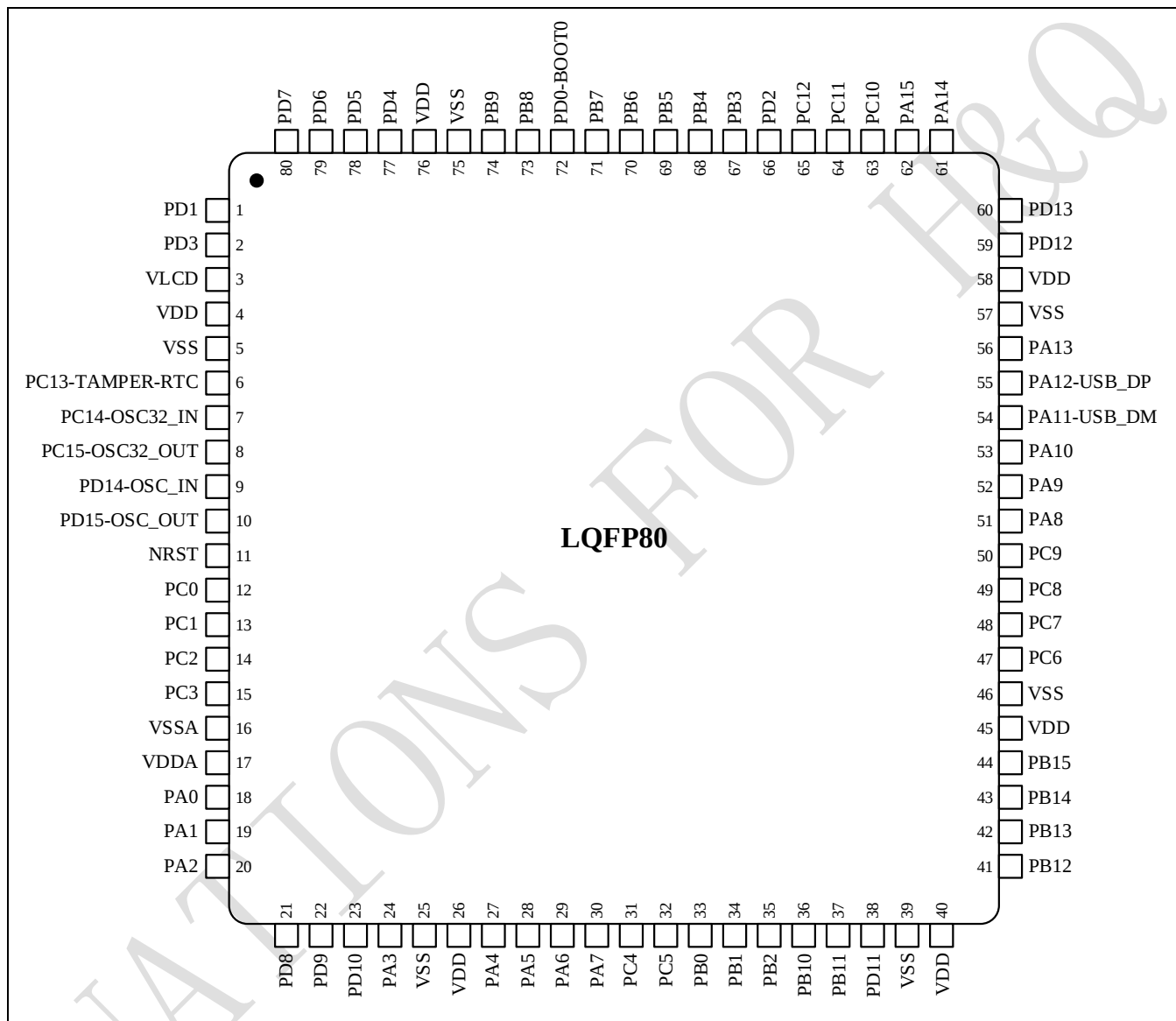


3.4.2









NAT

NATIONS FOR H&Q

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