

N32H487	32 bit ARM Cortex-M4F	240MHz	DSP
512KB	Flash 192		

— 1	USB FS Device	PHY										
— 1	USB HS DualRole	PHY										
— 6	SPI	2	I2S	/							SPI	
— 4	USART	/4	UART	ISO7816			IrDA	LIN	USART3/UART5/UART8			TX/RX
— 4	I2C	1 MHz										
— 3	CAN-FD											
— 1	IEEE-802.3-2002	Ethernet MAC				10M/100M			IEEE1588			
— 1	DVP	Digital Video Port		8/10/12/16								
— 4	12bit 4.7Msps ADC	12bit	10bit	8bit	6bit	16bit			ADC	16		
	3											
— 2	12 bit DAC	DAC		L TJETT/F1 9 Tf1 0 0060.15 Tm[2)] 82A85311F45C09 Tc[18094B5F>129 T0430[2)] 82A85311F45C								

- SWD/JTAG
- USB UART Bootloader
- Flash SMPU
- WRP RDP L0/L1/L2
- AES/TDES SHA SM3 SM4 MD5
- TRNG CRC16/32
-
-
- 96 9696

	N	32	H	4	87	V	E	L	7
Company Abbreviation									
Nationtech									
MCU Bit Width									
32bit									
Types of Product									
High performance									
MCU Core									
4 = ARM Cortex-M4									
Product Series									
87 = Interconnected type									
Number of Pins									
R = 64 Pins V = 100 Pins Z = 144 Pins									
	Temperature Range								
	7 : -40 ℃~105 ℃								
	Package Type								
	L = LQFP								
	Flash Size								
	E = 512KB Flash								

2

2-1 N32G487

N32H487REL7

N32H487VEL7

Cordic	Yes		
FMAC	Yes		
	RDP/WRP		
	LQFP64	LQFP100	LQFP144

1. CCM SRAM
- SRAM
- CCM SRAM
2.
- 1
3.

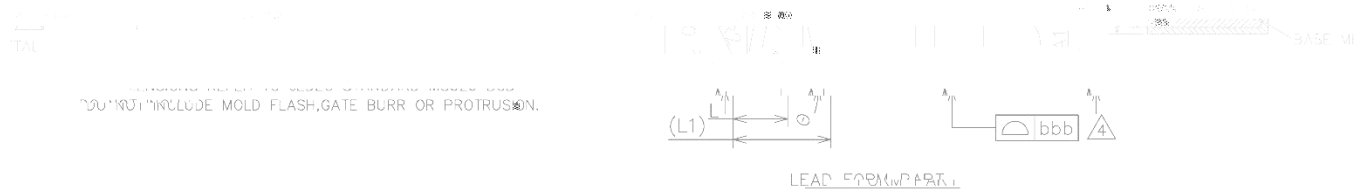
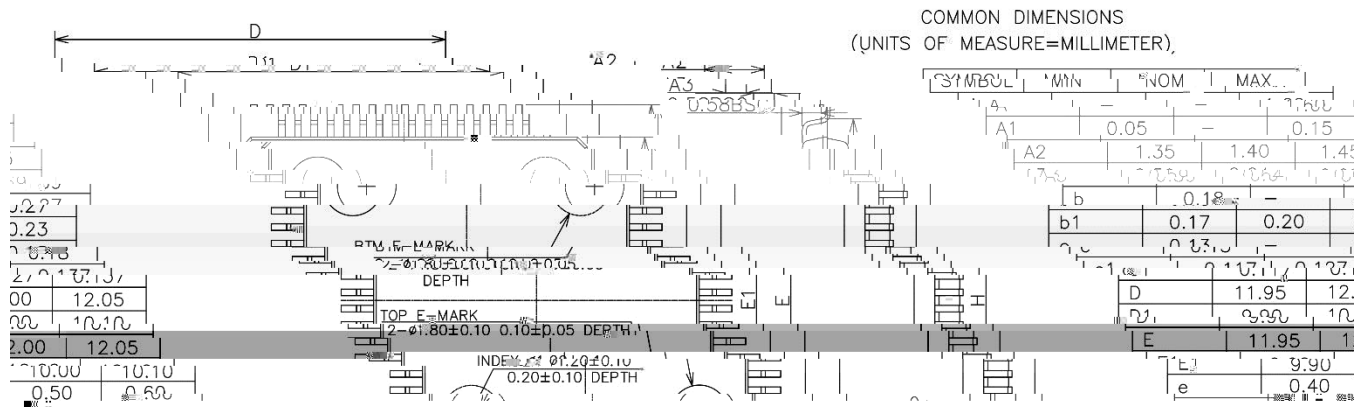
3

3.1

3.1.1

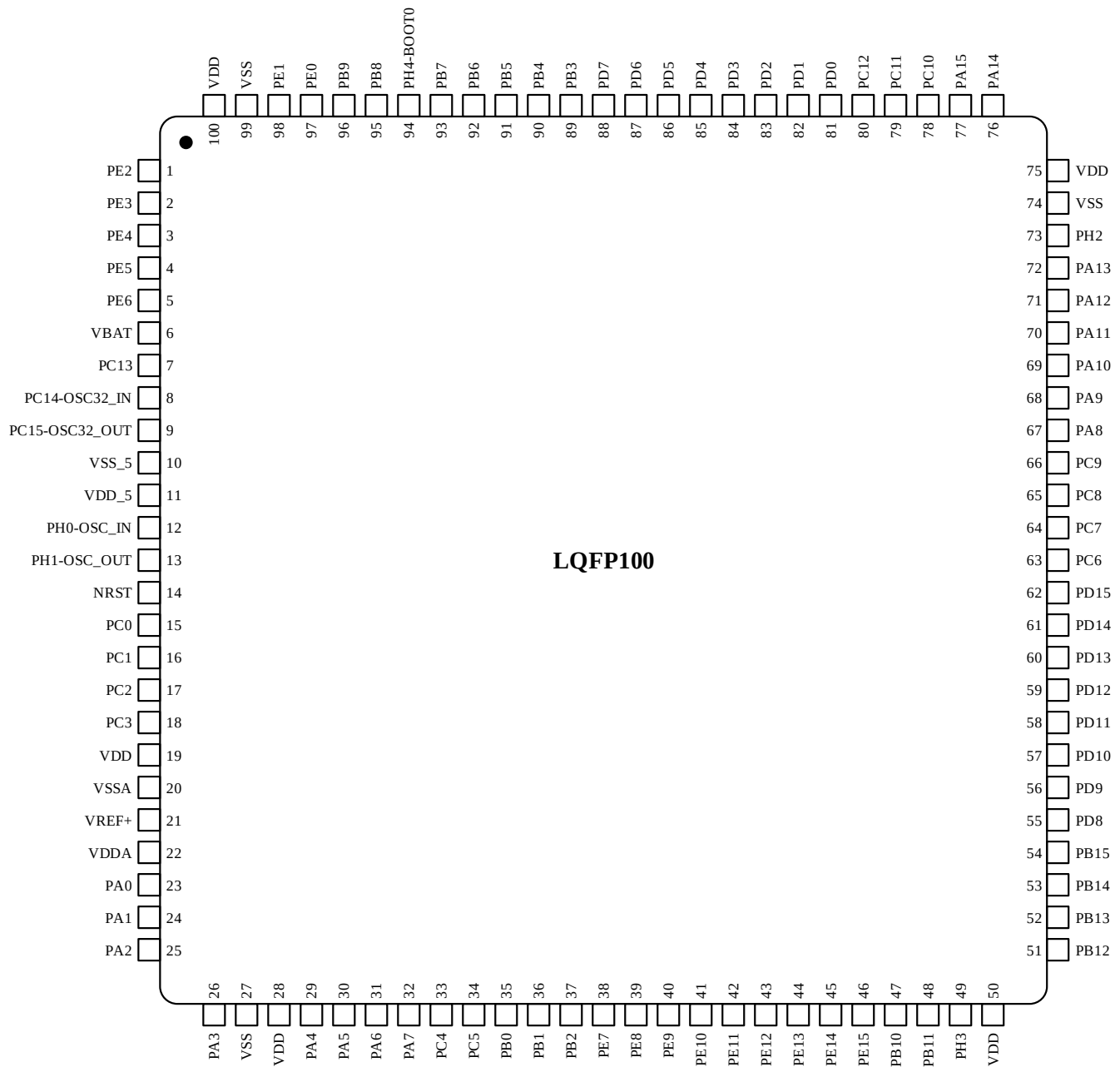


3.1.2

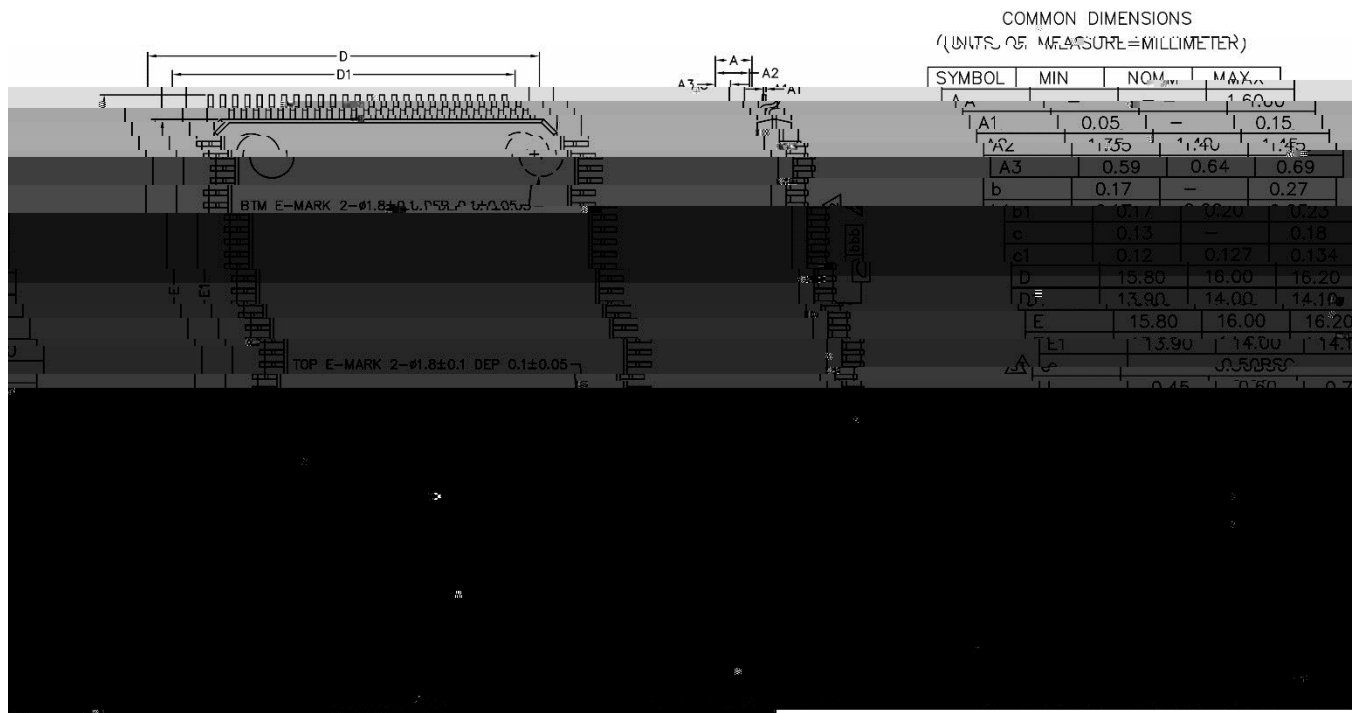


3.2

3.2.1



3.2.2



3.3

3.3.1

