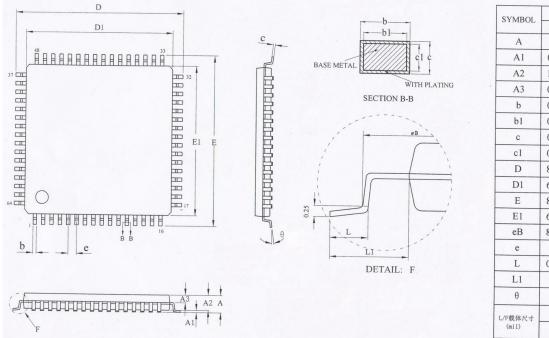


# ■ NV32 系列 MCU 封装尺寸图

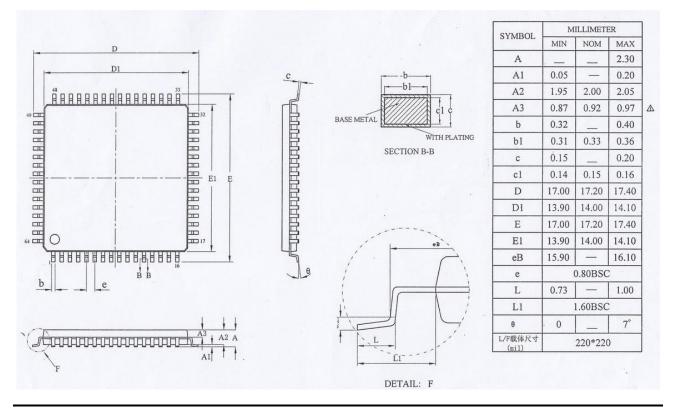
V1.0

#### ● LQFP64



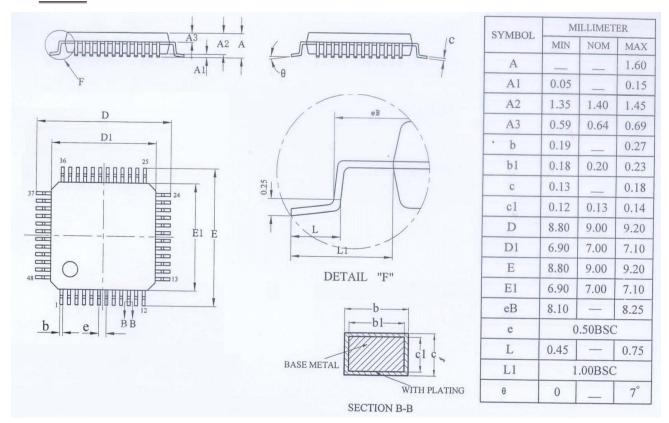
SYMBOL	MILLIMETER		
STWIDOL	MIN	NOM	MAX
A	_	_	1.60
A1	0.05	_	0.20
A2	1.35	1.40	1.45
A3	0.59	0.64	0.69
b	0.17	_	0.25
b1	0.16	0.18	0.20
С	0.13	_	0.18
c1	0.12	0.127	0.14
D	8.80	9.00	9.20
D1	6.90	7.00	7.10
Е	8.80	9.00	9.20
E1	6.90	7.00	7.10
eB	8.10	_	8.25
e	0.40BSC		
L	0.40	_	0.65
L1	1.00BSC		
θ	0	_	7
L/F载体尺寸	160*160		
(mil)	210*210		

#### PQFP64

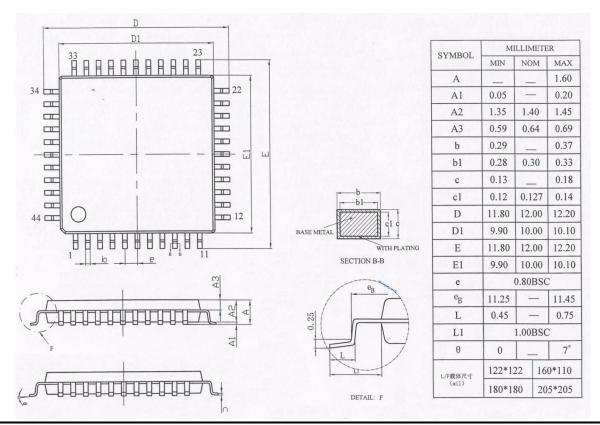




#### LQFP48

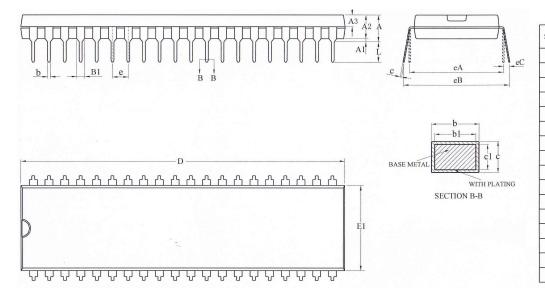


#### LQFP44



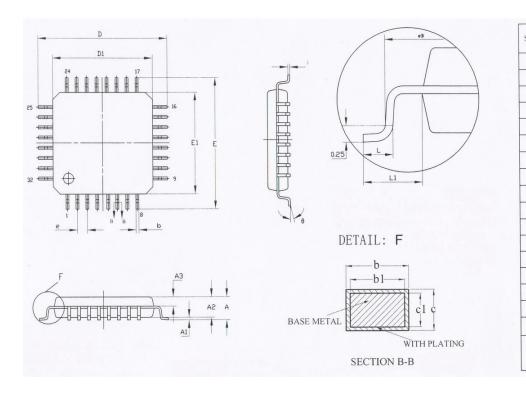


# PD1P40



CAN ADOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
A	4.16	4.36	4.56
A1	0.51	_	_
A2	3.75	3.85	3.95
A3	1.74	1.79	1.84
b	0.44	_	0.52
b1	0.43	0.46	0.49
В1	1.27REF		
с	0.25		0.29
c1	0.24	0.25	0.26
D	52.15	52.25	52.35
E1	13.70	13.80	13.90
e	2.54BSC		
eA	15.24REF		
eB	15.24	_	17.00
eС	0	_	0.88
L	3.30	_	_

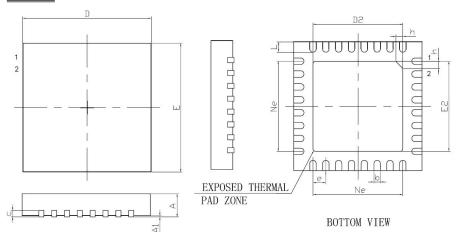
## ● <u>LQFP32</u>



CVMDOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
Α	_	_	1.60
A1	0.05	_	0.20
A2	1.35	1.40	1.45
A3	0.59	0.64	0.69
b	0.32	_	0.43
bl	0.31	0.35	0.39
С	0.13		0.18
c1	0.12	0.13	0.14
D	8.80	9.00	9.20
D1	6.90	7.00	7.10
Е	8.80	9.00	9.20
El	6.90	7.00	7.10
eB	8.10	_	8.25
е	0.80BSC		
L	0.40	_	0.65
L1	1.00BSC		
θ	0°	_	7°
L/F载体尺寸 (mil)	150*150		
	205*205		

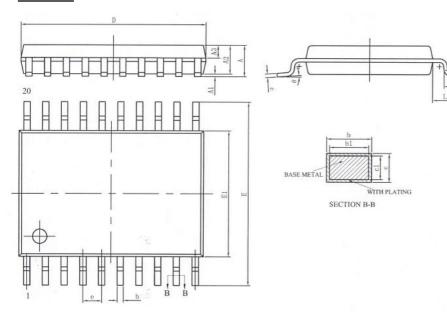


# • QFNP32



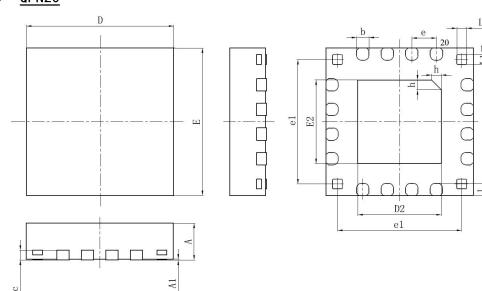
SYMBOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
Α	0.70	0.75	0.80
A1	_	0.02	0.05
b	0.18	0.25	0.30
c	0.18	0.20	0. 25
D	4. 90	5.00	5. 10
D2	3. 40	3. 50	3. 60
e	0. 50BSC		
Ne	3. 50BSC		
Е	4. 90	5.00	5. 10
E2	3. 40	3. 50	3. 60
L	0.35	0.40	0. 45
h	0.30	0.35	0.40
L/F载体尺寸	150x150 130x130		

## ● <u>TSS0P20</u>



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	_		1.20
Al	0.05	_	0.15
A2	0, 80	1.00	1, 05
A3	0.39	0.44	0.49
b	0.20	_	0.29
bl	0.19	0.22	0.25
c	0.13	_	0.18
c1	0.12	0.13	0.14
D	6.40	6.50	6.60
E1	4.30	4.40	4.50
E	6.20	6.40	6.60
e	0.65BSC		
L	0.45	0.60	0.75
Ll	1.00BSC		
θ	0	_	8°

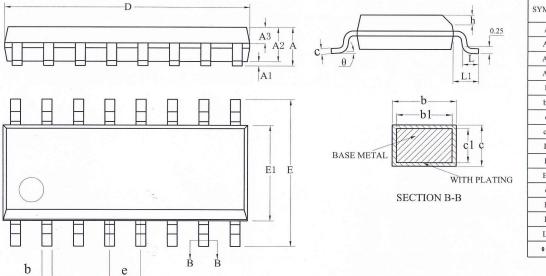
## • <u>QFN20</u>



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	1-1	0.02	0.05
b	0.15	0. 25	0.35
c	0.18	0. 20	0. 25
D	2. 90	3.00	3. 10
<b>D</b> 2	1.60	1.70	1.80
e		0. 50BSC	
el		2. 53BSC	
E	2. 90	3.00	3. 10
E2	1.60	1.70	1.80
L	0.15	0. 25	0.35
L1	0.15	0. 20	0. 25
h	0. 10	0. 20	0.30
L/F载体尺寸 (Mil)	87x87		

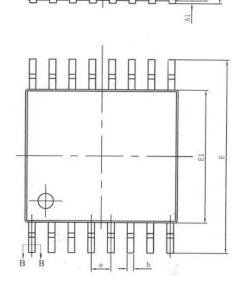


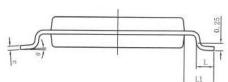
#### S0P16

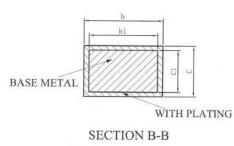


SYMBOL	MILLIMETER			
	MIN	NOM	MAX	
Α	_	_	1.75	
A1	0.10	_	0.225	
A2	1.30	1.40	1.50	
A3	0.60	0.65	0.70	
b	0.39	_	0.47	
bl	0.38	0.41	0.44	
С	0.20	_	0.24	
cl	0.19	0.20	0.21	
D	9.80	9.90	10.00	
E	5.80	6.00	6.20	
E1	3.80	3.90	4.00	
e	1.27BSC			
h	0.25	_	0.50	
L	0.50	_	0.80	
L1	1.05REF			
θ	0	_	8°	

# ● <u>TSS0P16</u>







MILLIMETER SYMBOL MIN NOM MAX 1.20 A A1 0.05 0.15 0.90 A2 1.00 1.05 0.39 A3 0.49 0.20 0.29 b ь1 0.19 0.22 0.25 0.13 0.18 c 0.12 0.13 0.14 cl D 4.86 4.96 5.06 E 6.20 6.40 6.60 El 4.30 4.40 4.50 0.65BSC e 0.60 L 0.45 0.75 1.00BSC L1 0 8°

0.60

0.05

0. 25

0.20

1.65

1.65 0.25

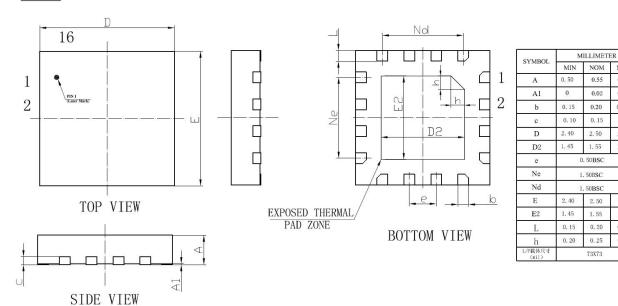
0.55

0.20

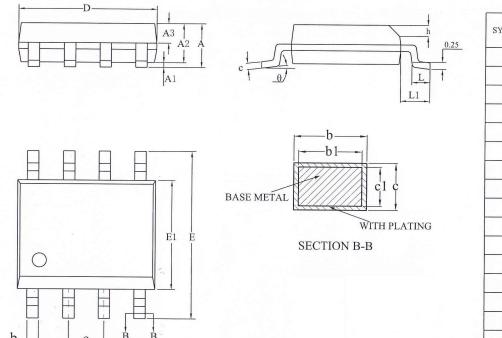
2. 50



# <u>QFN16</u>



#### SOP8



MILLIMETER			
MIN	NOM	MAX	
_	_	1.75	
0.10	_	0.225	
1.30	1.40	1.50	
0.60	0.65	0.70	
0.39	_	0.47	
0.38	0.41	0.44	
0.20		0.24	
0.19	0.20	0.21	
4.80	4.90	5.00	
5.80	6.00	6.20	
3.80	3.90	4.00	
1.27BSC			
0.25		0.50	
0.50		0.80	
1.05REF			
0	_	8°	
	MIN 0.10 1.30 0.60 0.39 0.38 0.20 0.19 4.80 5.80 3.80 0.25 0.50	MIN NOM	