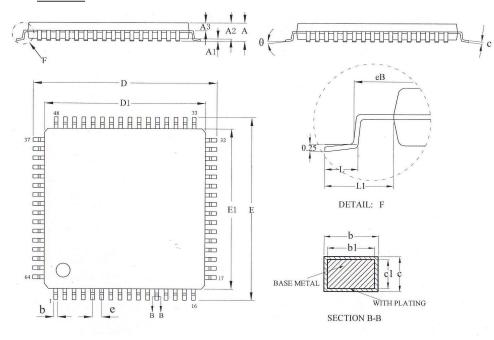


■ NV32 系列 MCU 封装尺寸图

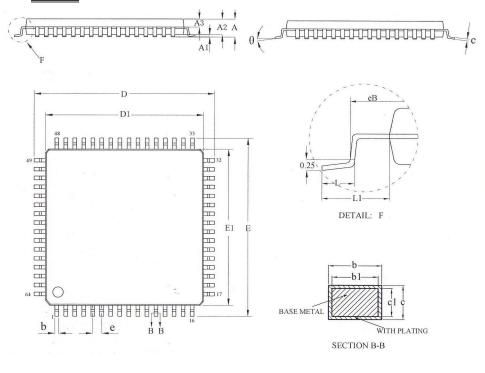
V1. 1

LQFP64



SYMBOL	M	ILLIMET	ER
3 I WIBOL	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
С	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
Е	11.80	12.00	12.20
eB	11.25	_	11.45
E1	9.90	10.00	10.10
e	0.50BSC		
L	0.45	_	0.75
L1	1.00REF		
θ	0		7°

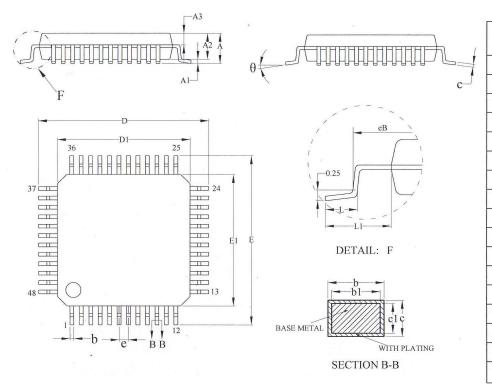
PQFP64



SYMBOL	М	ILLIMET	ER
STMBOL	MIN	NOM	MAX
A	_		2.30
A1	0.05	_	0.25
A2	1.95	2.00	2.05
A3	0.87	0.92	0.97
b	0.31	_	0.39
b1	0.30	0.33	0.36
С	0.15	_	0.19
c1	0.14	0.15	0.16
D	17.00	17.20	17.40
D1	13.90	14.00	14.10
Е	17.00	17.20	17.40
E1	13.90	14.00	14.10
eB	15.90	_	16.10
e	0.80BSC		
L	0.73	_	1.00
L1	1.60REF		
θ	0		7°

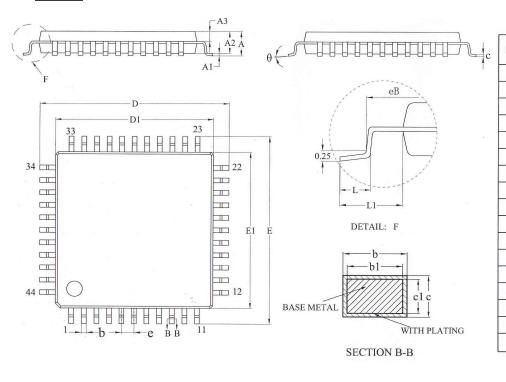


• LQFP48



SYMBOL	M	LLIMET	ER
STMBOL	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
С	0.13		0.17
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
E1	6.90	7.00	7.10
eB	8.10		8.25
e	0.50BSC		
L	0.40	-	0.65
L1	1.00REF		
θ	0	_	プ

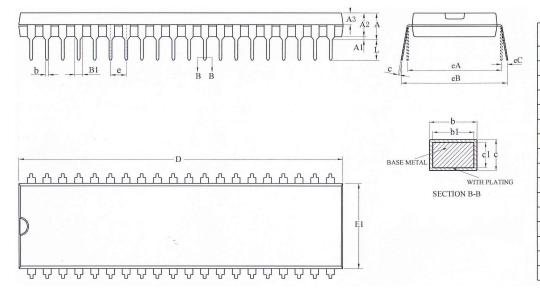
LQFP44



SYMBOL	M	ILLIMET	ER	
OT MIDOL	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	0.28	_	0.36	
b1	0.27	0.30	0.33	
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	
Е	11.80	12.00	12.20	
E1	9.90	10.00	10.10	
e		0.80BSC		
еВ	11.25	_	11.45	
L	0.45	_	0.75	
L1	1.00REF			
θ	0	_	7°	

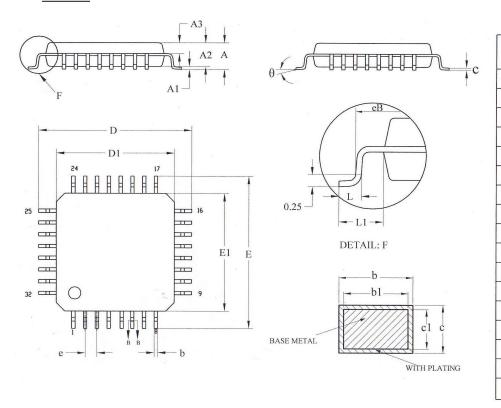


PDIP40



	М	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			
c	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	
еC	0	_	0.88	
L	3.30	_	_	

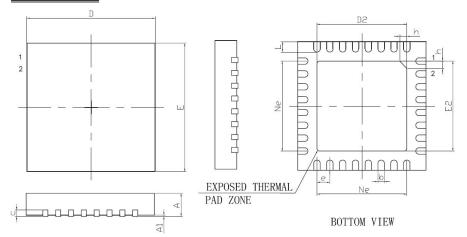
• LQFP32



eva (poi	M	ILLIMET	ER
SYMBOL	MIN	NOM	MAX
A			1.60
A1	0.05	_	0.25
A2	1.35	1.40	1.45
A3	0.59	0.64	0.69
b	0.33	_	0.41
b1	0.32	0.35	0.38
С	0.13		0.17
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
E1	6.90	7.00	7.10
eB	8.10	_	8.25
e	0.80BSC		
L	0.40		0.65
L1	1.00REF		
θ	0°	_	7°

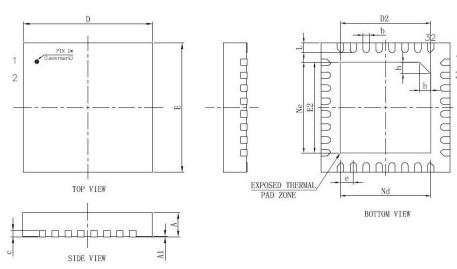


• QFNP32 (5x5)



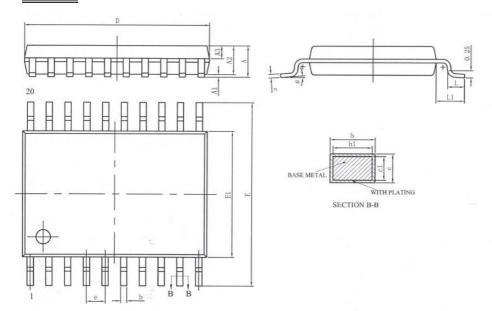
SYMBOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	_	0.02	0.05
b	0.18	0.25	0.30
c	0.18	0.20	0. 25
D	4. 90	5.00	5. 10
D2	3. 40	3. 50	3. 60
e	0	. 50BS	0
Ne	:	3. 50BS0)
Е	4. 90	5.00	5. 10
E2	3. 40	3. 50	3. 60
L	0.35	0.40	0. 45
h	0.30	0.35	0.40
L/F载体尺寸	150x1	50	130x130

QFNP32 (4x4)



SYMBOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
A	0. 70	0.75	0.80
A1	0	0.02	0.05
ь	0. 15	0.20	0. 25
С	0. 18	0.20	0. 25
D	3. 90	4.00	4. 10
D2	2. 70	2. 80	2. 90
e	0. 40BSC		
Ne	1	2. 80BSC	
Nd	2	2. 80BSC	
Е	3. 90	4. 00	4. 10
E2	2.70	2. 80	2. 90
L	0. 25	0.30	0. 35
h	0. 30	0.35	0.40
/F载体尺寸	122X122		

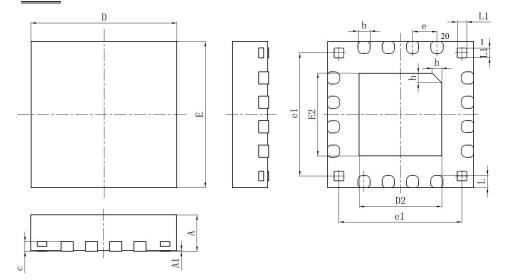
■ TSS0P20



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
Α	_		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
cl	0.12	0.13	0.14
D	6.40	6.50	6.60
E1	4.30	4.40	4.50
Е	6.20	6.40	6.60
e	0.65BSC		
L	0.45	0.60	0.75
Ll	1.00BSC		
θ	0	_	8°

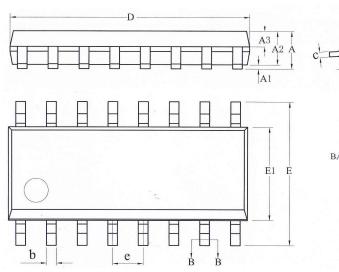


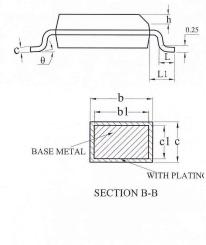
QFN20



SYMBOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	_	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
D 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		

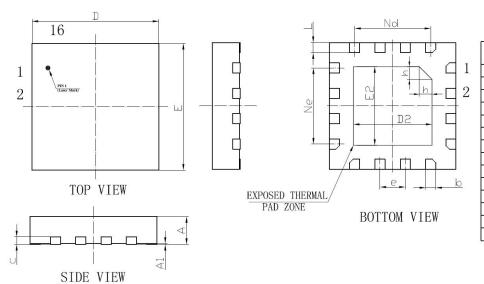
● <u>SOP16</u>





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
ь	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
Е	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°

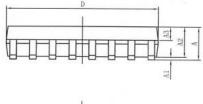
● <u>QFN16</u>

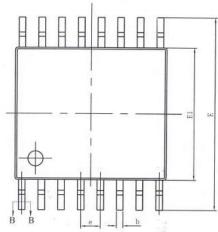


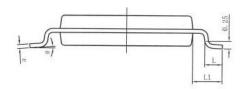
SYMBOL	MILLIMETER		
SYMBOL	MIN	NOM	MAX
A	0.50	0.55	0.60
A1	0	0.02	0.05
b	0. 15	0.20	0. 25
c	0.10	0. 15	0.20
D	2.40	2. 50	2.60
D2	1.45	1, 55	1.65
e	(. 50BSC	
Ne	1	. 50BSC	
Nd	1	. 50BSC	
Е	2.40	2. 50	2.60
E2	1.45	1.55	1.65
L	0.15	0. 20	0. 25
h	0. 20	0. 25	0.30
L/F载体尺寸 (mil)	73X73		

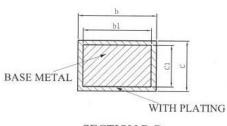


• <u>TSS0P16</u>





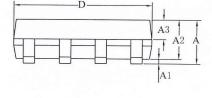


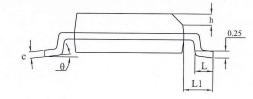


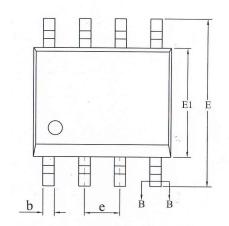
SECTION B-B

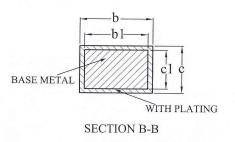
SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	_		1.20
A1	0.05	_	0.15
A2	0.90	1.00	1.05
A3	0.39	0.44	0.49
b	0.20	_	0.29
b1	0.19	0.22	0.25
c	0.13	_	0.18
cl	0.12	0.13	0.14
D	4.86	4.96	5.06
E	6.20	6.40	6.60
El	4.30	4.40	4.50
e	0.65BSC		
L	0.45	0.60	0.75
L1	1.00BSC		
θ	0		8°

● <u>SOP8</u>









SYMBOL	MILLIMETER			
	MIN	NOM	MAX	
A	_	_	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	
b1	0.38	0.41	0.44	
С	0.20	_	0.24	
cl	0.19	0.20	0.21	
D	4.80	4.90	5.00	
Е	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	
Ll	1.05REF			
θ	0	_	8°	