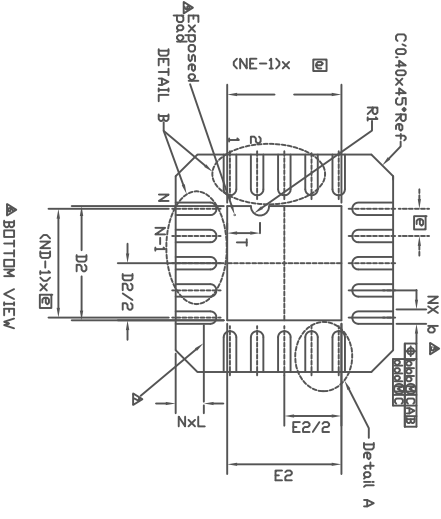
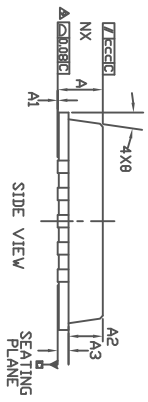
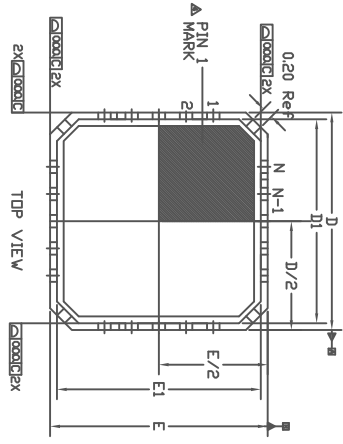


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	12/14/10	RC
01	COMBINE POD & LAND PATTERN	12/9/13	JH

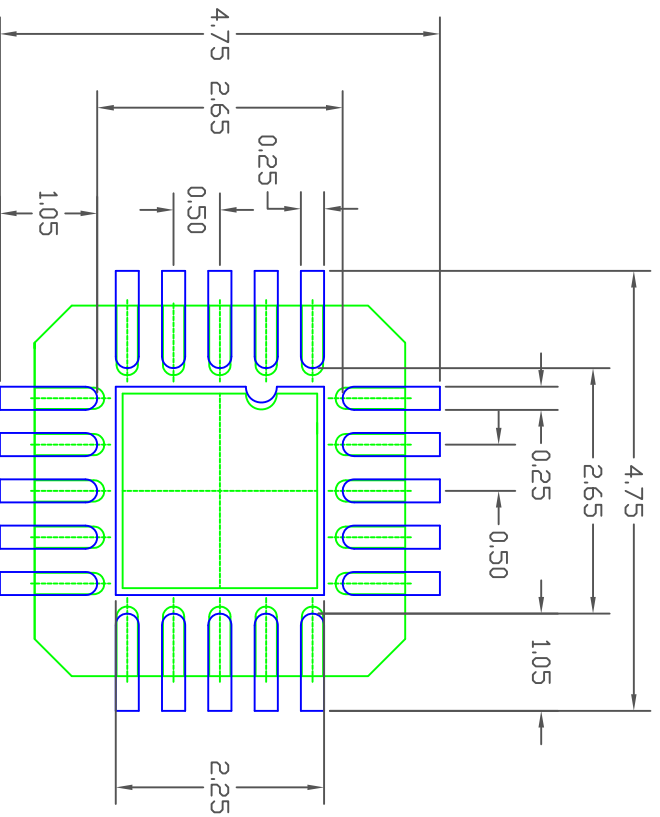


SYMBOL	DIMENSION		
	MIN	NOM	MAX
D2	1.95	2.10	2.25
E2	1.95	2.10	2.25
L	0.50	0.60	0.70
D	4.00 BSC		
E	4.00 BSC		
e	0.50 BSC		
A	0.80	0.83	0.90
A1	0.00	0.02	0.05
A2	0.58	0.63	0.68
A3 REF	0.20		
b	0.18	0.23	0.28
Ø	8°	10°	12°
ooo	0.15		
bbb	0.10		
ccc	0.10		
ddd	0.05		
NOTES	1,2,8		
N	20		
ND	5		
NE	5		
REF			
ISSUE			

- NOTES:
1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994
 2. ALL DIMENSIONS ARE IN MILLIMETERS. ALL ANGLES ARE IN DEGREES.
 3. N IS THE TOTAL NUMBER OF TERMINALS.
- △ THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JESD 95-1 SPP-012. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE TERMINAL #1 IDENTIFIER MAY BE MOLDED, MARKED, OR METALLIZED FEATURES.
 - △ DIMENSION b APPLY TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30 mm FROM TERMINAL TIP.
 - △ ND & NE REFER TO THE MAXIMUM NUMBER OF TERMINALS ON D AND E SIDE.
 - △ DEPOPULATION IS POSSIBLE IN A SYMMETRICAL FASHION.
 - △ FOR A COMPLETE SET OF DIMENSIONS FOR EACH VARIATION, SEE THE INDIVIDUAL VARIATION AND THE COMMON DIMENSIONS AND TOLERANCES.
 - △ COPLANARITY APPLIES TO THE EXPOSED HET SINK SLUG AS WELL AS THE TERMINALS.
 - △ WHEN MORE THAN ONE VARIATION (OPTION) EXIST FOR THE SAME PROFILE HEIGHT, BODY SIZE (D x E), AND THE PITCH, THEN THOSE VARIATIONS WILL BE DENOTED BY AN ADDITIONAL DASH NUMBER (E-1, -2, ETC.) DESIGNATOR TO IDENTIFY THEM. THE NEW VARIATIONS WOULD BE CREATED FROM ALL OR ANY OF THE FOLLOWING REASONS LEAD COUNTS, TERMINAL LENGTHS, AND OR TERMINAL PAD SIZES.
11. ALL SPECIFICATIONS COMPLY TO JEDEC MO-220.

TOLERANCES UNLESS SPECIFIED		6024 SILVER CREEK	
DECIMAL	ANGULAR	VALLEY ROAD, SAN JOSE, CA 95138	
XX± .05	±1°	PHONE: (408) 264-8200	
XXXX .030		FAX: (408) 264-3572	
APPROVALS	DATE	TITLE	
DRAWN <i>RAAG</i>	12/14/10	NP/NPG20 PACKAGE OUTLINE	
CHECKED		4.0 x 4.0 mm BODY	
		0.50 mm PITCH QFN	
SIZE	DRAWING No.	REV	
C	PSC-4206	01	
DO NOT SCALE DRAWING		SHEET 1 OF 2	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	12/14/10	RC
01	COMBINE POD & LAND PATTERN	12/9/13	JH



- NOTES:
1. ALL DIMENSION ARE IN mm. ANGLES IN DEGREES.
 2. TOP DOWN VIEW. AS VIEWED ON PCB.
 3. COMPONENT OUTLINE SHOW FOR REFERENCE IN GREEN.
 4. LAND PATTERN IN BLUE. NSMD PATTERN ASSUMED.
 5. LAND PATTERN RECOMMENDATION PER IPC-7351B GENERIC REQUIREMENT FOR SURFACE MOUNT DESIGN AND LAND PATTERN.

TOLERANCES UNLESS SPECIFIED		ANGULAR ±1°	
DECIMAL	XX± .05	DATE	12/14/10
XX± .1	XXXX .030	TITLE	NP/NPG20 PACKAGE OUTLINE
XXXX .030		DRAWN	RAAG
APPROVALS		CHECKED	
SIZE	C	DRAWING No.	PSC-4206
DO NOT SCALE DRAWING		REV	01



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VALLEY ROAD, SAN JOSE,
CA 95138
PHONE: (408) 284-8200
FAX: (408) 284-3572

www.IDT.com

4.0 x 4.0 mm BODY
0.50 mm PITCH QFN