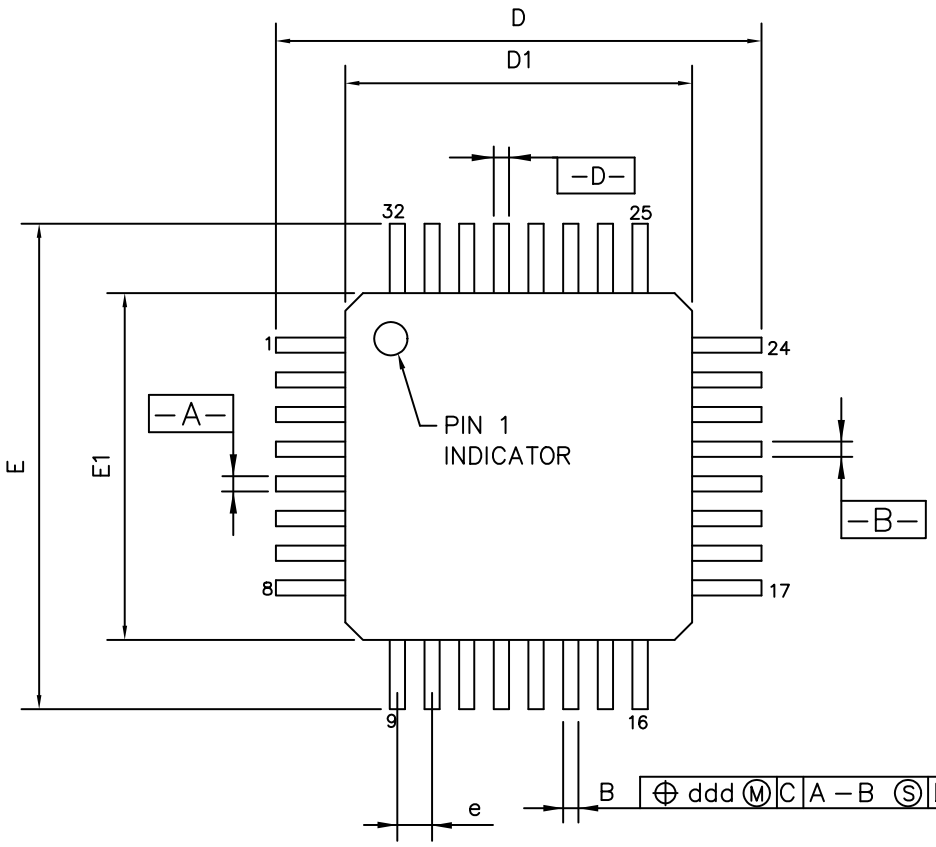
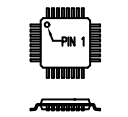
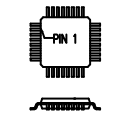
TQFP 32, 5x5
CASE 932AP−01
ISSUE O

DATE 31 JUL 2008





ANAM
SCALE: 1=1



CARSEM
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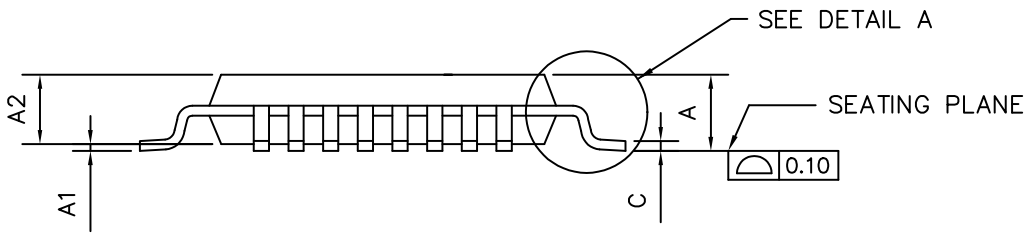

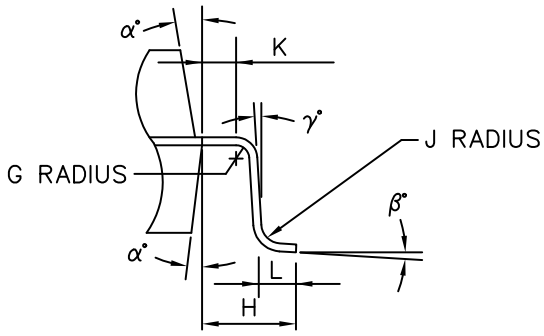

DETAIL A

DOCUMENT NUMBER:	**98AON31448E**	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
DESCRIPTION:	**TQFP 32, 5X5**	**PAGE 1 OF 2**

TQFP 32, 5x5
CASE 932AP−01
ISSUE O

DATE 31 JUL 2008

1.0 mm
THICK

ANAM P/N 40579 ⚠12			
SYMBOL	MIN	NOM	MAX
A	–	–	1.20
A1	0.05	–	0.15
A2	0.95	1.00	1.05
D	7.00 BSC		
D1	5.00 BSC		
E	7.00 BSC		
E1	5.00 BSC		
L	0.45	0.60	0.75
e	0.50 BSC		
B	0.17	0.22	0.27
c	0.09	–	0.20
α°	11	–	13
β°	0	–	7
γ°	0	–	–
G	0.08	–	–
H	1.00 REF.		
J	0.08	–	0.20
K	0.20	–	–
ccc	–	–	0.08
ddd	–	–	0.08

CARSEM PKGTQ0001 ⚠12			
SYMBOL	MIN	NOM	MAX
A	1.00	1.10	1.20
A1	0.05	0.10	0.15
A2	0.95	1.00	1.05
D	7.00 BSC		
D1	5.00 BSC		
E	7.00 BSC		
E1	5.00 BSC		
L	0.45	0.60	0.75
e	0.50 BSC		
B	0.17	0.22	0.27
c	0.09	–	0.20
α°	11	12	13
β°	0	3.5	7
γ°	0	–	–
G	0.08	–	–
H	1.00 REF.		
J	0.08	–	0.20
K	0.20	–	–
ccc	–	–	0.08
ddd	–	–	0.08

NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M−1994.
2. DATUM PLANE H LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DATUMS A−B AND D TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE H.
4. TO BE DETERMINED AT SEATING PLANE C.
5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS 0.254 MM ON D1 AND E1 DIMENSIONS.
6. "N" IS THE TOTAL NUMBER OF TERMINALS.
7. THESE DIMENSIONS TO BE DETERMINED AT DATUM PLANE H.
8. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
9. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08mm TOTAL IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
10. CONTROLLING DIMENSION: MILLIMETER.
11. MAXIMUM ALLOWABLE DIE THICKNESS TO BE ASSEMBLED IN THIS PACKAGE FAMILY IS 0.30 MILLIMETERS.
12. ⚠12 THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS−026, VARIATION AAA AND AAB.
13. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.
14. DIMENSION D2 AND E2 REPRESENT THE SIZE OF THE EXPOSED PAD. THE ACTUAL DIMENSIONS ARE SPECIFIED ON THE BONDING DIAGRAM, AND IS DEPENDENT ON THE DIE SIZE.
15. EXPOSED PAD SHALL BE COPLANAR WITH BOTTOM OF PACKAGE WITHIN 0.05.
16. CORNER CHAMFER OF EXPOSED DIE PAD SHALL BE WITHIN 0.30 MM.