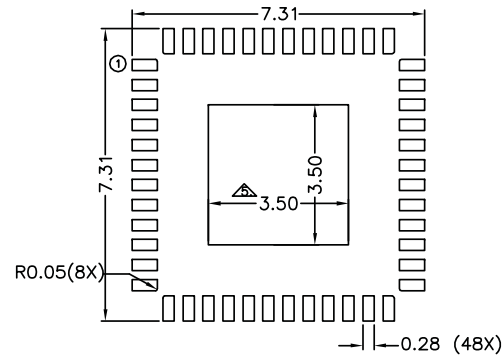
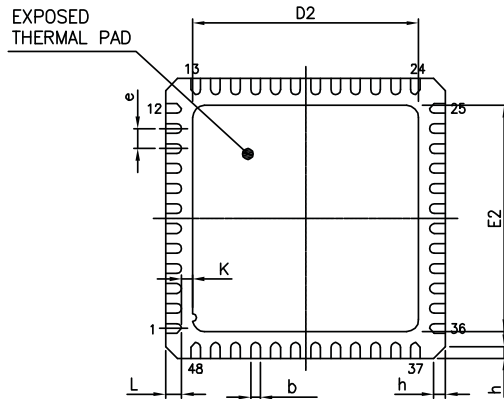
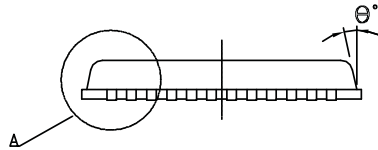


TOP VIEW



RECOMMENDED LAND PATTERN (TOP VIEW)



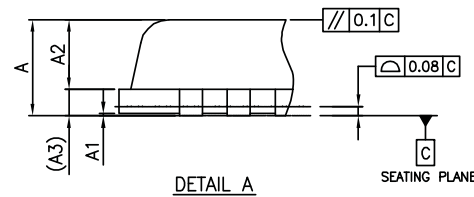
BOTTOM VIEW

SYMBOLS	MIN.	NOM.	MAX.
A	0.80	0.90	1.00
A1	0.00	0.02	0.05
A2	0.65 REF.		
A3	0.203 REF.		
b	0.18	0.25	0.30
h	0.24	0.42	0.60
D	6.90	7.00	7.10
D1	6.65	6.75	6.85
E	6.90	7.00	7.10
E1	6.65	6.75	6.85
e	0.50 BSC.		
K	0.20	—	—
L	0.30	0.40	0.50
θ°	0.00	—	12.00

UNIT : mm

PAD SIZE	D2			E2		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
157X157MIL	3.40	3.60	3.80	3.40	3.60	3.80
213X213MIL	5.00	5.20	5.40	5.00	5.20	5.40
208X208MIL	4.90	5.10	5.30	4.90	5.10	5.30

UNIT: mm



DETAIL A

Notes:

1. All dimensions are in millimeters, angles are in degrees.
2. Coplanarity applies to the exposed thermal pad as well as the terminals.
3. Refer JEDEC MO-220
4. Recommended land pattern is for reference only.
5. Thermal pad soldering area



DATE: 02/11/09

DESCRIPTION: 48-Pin, Thin Fine Pitch Quad Flat No-Lead (TQFN)

PACKAGE CODE: ZB48

DOCUMENT CONTROL #: PD-2080

REVISION: A