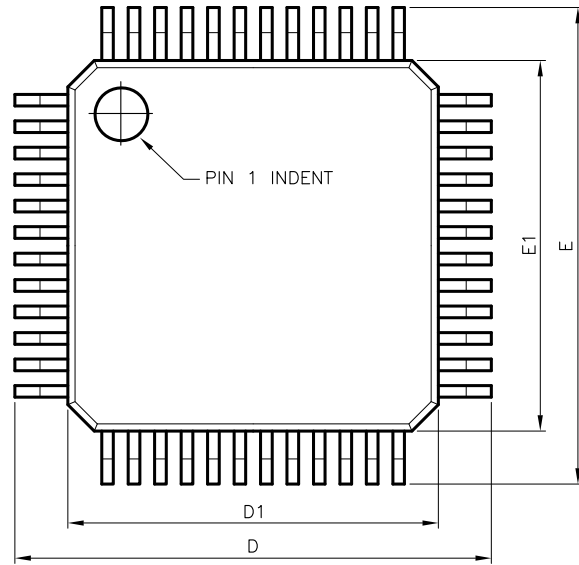
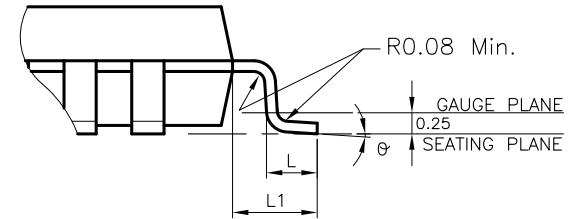
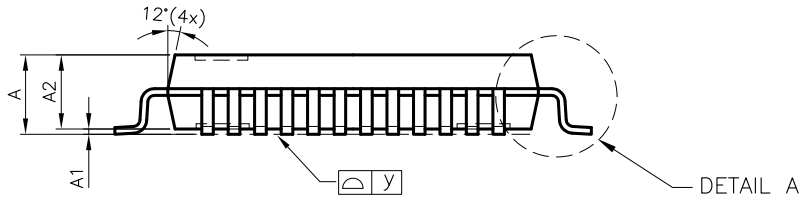
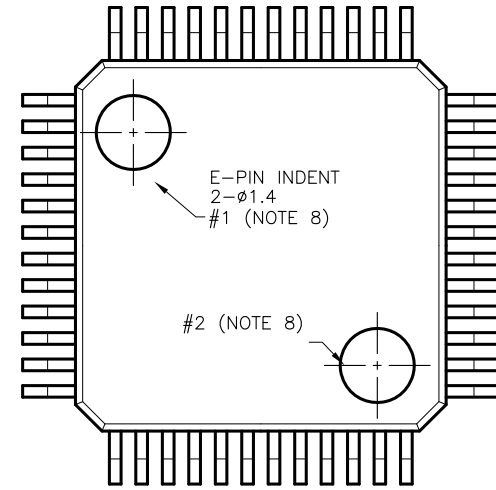
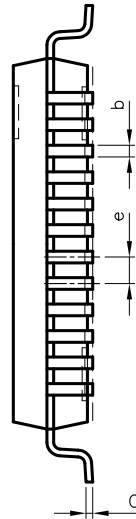


TOP VIEW



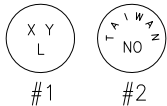
BOTTOM VIEW



DETAIL A

NOTE :

1. CONTROLLING DIMENSION : mm
2. LEAD FRAME MATERIAL : COPPER 7025
3. DIMENSION "D1 AND E1" DOES NOT INCLUDE MOLD PROTRUSIONS. MOLD PROTRUSIONS SHALL NOT EXCEED 0.010"[0.25mm] PER SIDE.
4. DIMENSION "b" DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.003"[0.08mm] TOTAL IN EXCESS OF THE "b" DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND AN ADJACENT LEAD TO BE 0.0028"[0.07mm]
5. TOLERANCE : ±0.010"[0.25mm] UNLESS OTHERWISE SPECIFIED.
6. OTHERWISE DIMENSION FOLLOW ACCEPTABLE SPEC.
7. REFERENCE DOCUMENT : JEDEC SPEC MS-026-BBC
8. BOTTOM E-PIN INDENT IN MARKED AS BELOW :



X : A, B, C, ...
 Y : 1 ~ 12
 NO : DENOTE MOLD SET NUMBER

| SYMBOL | DIMENSIONS IN MILLIMETERS | | |
|--------|---------------------------|------|------|
| | MIN. | NOM. | MAX. |
| A | — | — | 1.60 |
| A1 | 0.05 | — | 0.15 |
| A2 | 1.35 | 1.40 | 1.45 |
| b | 0.17 | 0.22 | 0.27 |
| C | 0.09 | — | 0.20 |
| E | 8.80 | 9.00 | 9.20 |
| E1 | 6.90 | 7.00 | 7.10 |
| D | 8.80 | 9.00 | 9.20 |
| D1 | 6.90 | 7.00 | 7.10 |
| e | — | 0.50 | — |
| L | 0.45 | 0.60 | 0.75 |
| L1 | — | 1.00 | — |
| Ø | 0° | 3.5° | 7° |
| y | 0.0 | — | 0.08 |

| | | | |
|------------------------------|----------|---------------------------------------------------------------------------------------------|--------------|
| CUSTOMER : | | LINGSEN 5-1 NAN 2ND ROAD T.E.P.Z. PRECISION IND., LTD. TAICHUNG, TAIWAN, R. O. C. | |
| APPROVED BY | DATE | TITLE: 48L LQFP PACKAGE OUTLINE DRAWING (7x7x1.4 mm) (2.0 mm FOOTPRINT) | |
| DRAW BY: <i>Vivi Chen</i> | 11/17/00 | | |
| CHECK BY: <i>Leo Chen</i> | 11/21/00 | DWG. NO. PO-LQFP-002 | REV. 0 |
| APPROVAL: <i>Paul Liu</i> | 11/21/00 | UNIT : mm | SCALE : 10/1 |
| APPROVAL: <i>Jack Tu</i> | 11/21/00 | SHEET 1 OF 1 | |