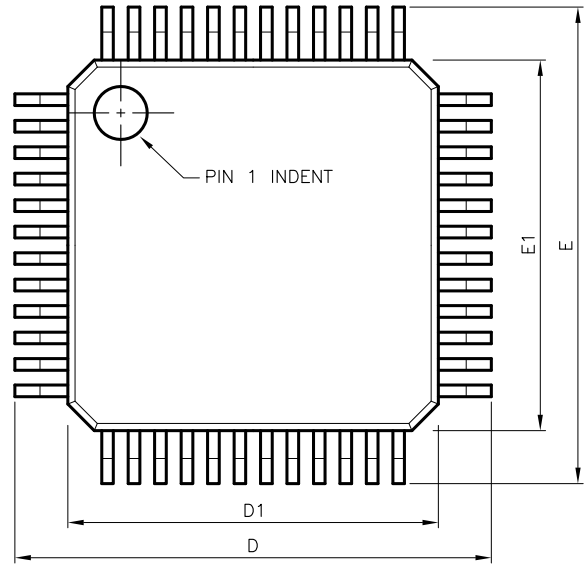
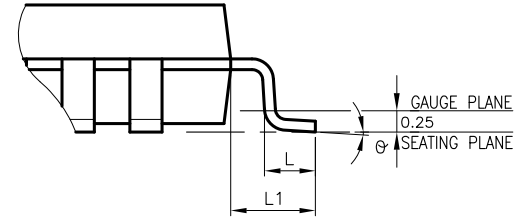
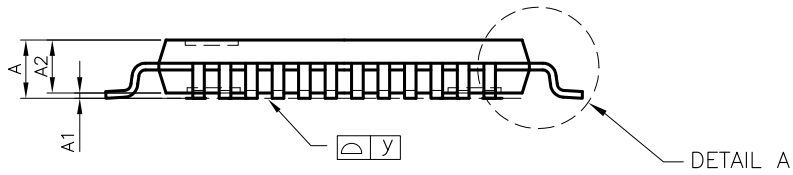
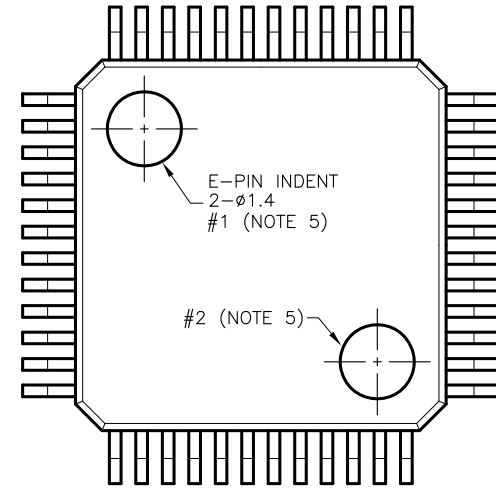


TOP VIEW

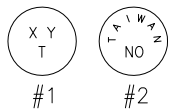


BOTTOM VIEW



NOTE :

1. CONTROLLING DIMENSION : mm
2. LEAD FRAME MATERIAL : COPPER C7025
3. PACKAGE DIMENSION EXCLUSIVE MOLDING FLASH ALLOWABLE PROTRUSION IS 0.25 mm PER SIDE
4. DIMENSION b DOES NOT INCLUDE DAMBER PROTURSION. ALLOWABLE DAMBER PROTRUSION SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED THE MAXIMUM b DIMENSION BY MORE THEN 0.08 mm.
5. BOTTOM E-PIN INDENT ARE MARKED AS BELOW :



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

6. ALL EDGE CORNER TO BE R 0.20 MAX.
7. JEDEC NUMBER : MS-026

SYMBOL	DIMENSIONS IN MILLIMETERS		
	MIN.	NOM.	MAX.
A	—	—	1.20
A1	0.05	—	0.15
A2	0.95	1.00	1.05
b	0.17	0.22	0.27
C	0.09	—	0.20
E	—	9.00	—
E1	—	7.00	—
D	—	9.00	—
D1	—	7.00	—
e	—	0.50	—
L	0.45	0.60	0.75
L1	—	1.00	—
φ	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 TQFP PACKAGE OUTLINE DRAWING (7x7x1.0 mm) (2.0 mm FOOTPRINT)		
DRAW BY: <i>Vicky Chen</i>	07/21/98			
CHECK BY: <i>Thomas Kao</i>	7/29/98	DWG. NO. PO-TQFP-001		
APPROVAL: <i>Paul Liu</i>	7/30/98			REV. 0
APPROVAL: <i>Barry Chen</i>	7/31/98	UNIT : mm	SCALE : 10/1	SHEET 1 OF 1