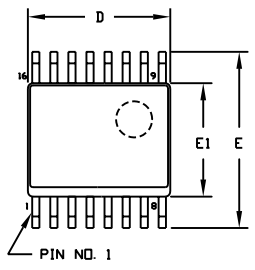
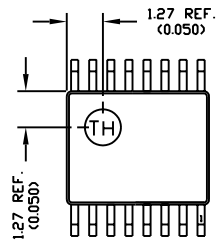


REV	DESCRIPTION	DATE
A	CHANGED NEW DWG. NO. FROM QSOP-16-P-150 TO Q016PD-01	DCE 25'02

TOP VIEW

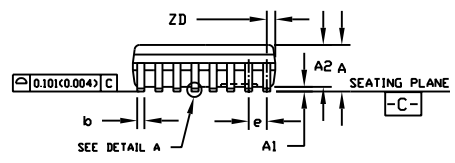


BOTTOM VIEW

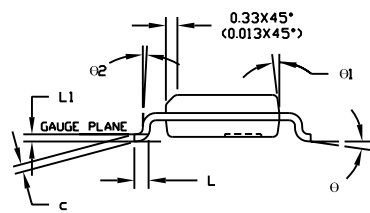


NOTE :

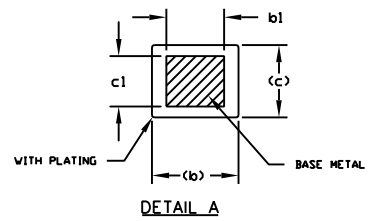
1. DIMENSIONING & TOLERANCING PER ANSI. Y14.5M-1982.
2. DIMENSION " D " DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURR. MOLD FLASH, PROTRUSION OR GATE BURRS SHALL NOT EXCEED 0.152mm.(0.006") PER SIDE.
3. DIMENSION " E " DOES NOT INCLUDE INTER-LEAD FLASH OR PROTRUSIONS. INTER-LEAD FLASH OR PROTRUSIONS SHALL NOT EXCEED 0.254mm.(0.010") PER SIDE.
4. FORMED LEAD SHALL BE PLANED WITH RESPECT TO ONE ANOTHER WITHIN 0.101mm.(0.004") AT SEATING PLANE "C".
5. CONTROLLING DIMENSION : MILLIMETER. CONVERTED INCH DIMENSION ARE NOT NECESSARILY EXACT.
6. " TH " IS STAND FOR THAILAND.
7. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION / INTRUSION ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.10mm.(0.004") TOTAL IN EXCESS OF b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR INTRUSION SHALL NOT REDUCE DIMENSION b BY MORE THAN 0.05mm.(0.002") AT LEAST MATERIAL CONDITION .
8. DIMENSION ZD IS FOR REFERENCE ONLY. MINIMUM ZD DIMENSION SUCH THAT NO EXPOSED LEAD FRAME MATERIAL IS ALLOWED FOR END LEADS.



SIDE VIEW



END VIEW



DETAIL A

DIMENSION	COMMON					
	DIMENSIONS MILLIMETER			DIMENSIONS INCH		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	1.524	1.651	1.752	0.060	0.065	0.069
A1	0.101	0.177	0.228	0.004	0.007	0.010
A2	1.473 REF.			0.058 REF.		
b	0.203	-	0.304	0.008	-	0.012
b1	0.203	0.254	0.279	0.008	0.010	0.011
c	0.177	-	0.254	0.007	-	0.010
c1	0.177	0.203	0.228	0.007	0.008	0.009
D	4.80	4.902	5.003	0.189	0.193	0.197
ZD	0.228 REF.			0.009 REF.		
E	5.791	5.994	6.197	0.228	0.236	0.244
E1	3.810	3.911	3.987	0.150	0.154	0.157
L	0.406	0.635	1.270	0.016	0.025	0.050
L1	0.254 BSC			0.010 BSC		
e	0.635 BSC			0.025 BSC		
theta	0°	-	8°	0°	-	8°
theta1	5°	-	15°	5°	-	15°
theta2	0°	-	-	0°	-	-



DRAWN BY: SEKSDN
 CHECKED BY: NATAPORN
 APPROVED BY: THANAPONG
 APPROVED BY: TOM

TITLE: 16LD QSOP PACKAGE OUTLINE DWG.
 150 MIL BODY WIDTH FAMILY(MGP MOLD)
 DATE : DEC 25'02 REF. NO. : MO - 137 AB SCALE : NOT TO SCALE
 DWG. NO. Q016PD-01 REV. A SHEET 1 OF 1