



COTROL DIMENSIONS ARE IN MILLIMETERS.

SYMBOL	MILLIMETER			INCH		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	—	—	1.60	—	—	0.063
A1	0.05	—	0.15	0.002	—	0.006
A2	1.35	1.40	1.45	0.053	0.055	0.057
D	14.00 BSC.			0.551 BSC.		
D1	12.00 BSC.			0.472 BSC.		
E	14.00 BSC.			0.551 BSC.		
E1	12.00 BSC.			0.472 BSC.		
R2	0.08	—	0.20	0.003	—	0.008
R1	0.08	—	—	0.003	—	—
θ	0°	3.5°	7°	0°	3.5°	7°
θ_1	0°	—	—	0°	—	—
θ_2	11°	12°	13°	11°	12°	13°
θ_3	11°	12°	13°	11°	12°	13°
c	0.09	—	0.20	0.004	—	0.008
L	0.45	0.60	0.75	0.018	0.024	0.030
L ₁	1.00 REF			0.039 REF		
S	0.20	—	—	0.008	—	—
b	0.17	0.20	0.27	0.007	0.008	0.011
e	0.50 BSC.			0.020 BSC.		
D2	9.50			0.374		
E2	9.50			0.374		
TOLERANCES OF FORM AND POSITION						
aaa	0.20			0.008		
bbb	0.20			0.008		
ccc	0.08			0.003		
ddd	0.08			0.003		

NOTE :

1. ALL DIMENSION IN MM
2. Refer JEDEC MS-026/BDD
3. Package Outline Exclusive of Mold Flash and Metal Burr



DATE: 03/18/09

DESCRIPTION: 80-contact, Low Profile Quad Flat Package (LQFP)

PACKAGE CODE: FF (FF80)

DOCUMENT CONTROL #: PD-2064

REVISION: A