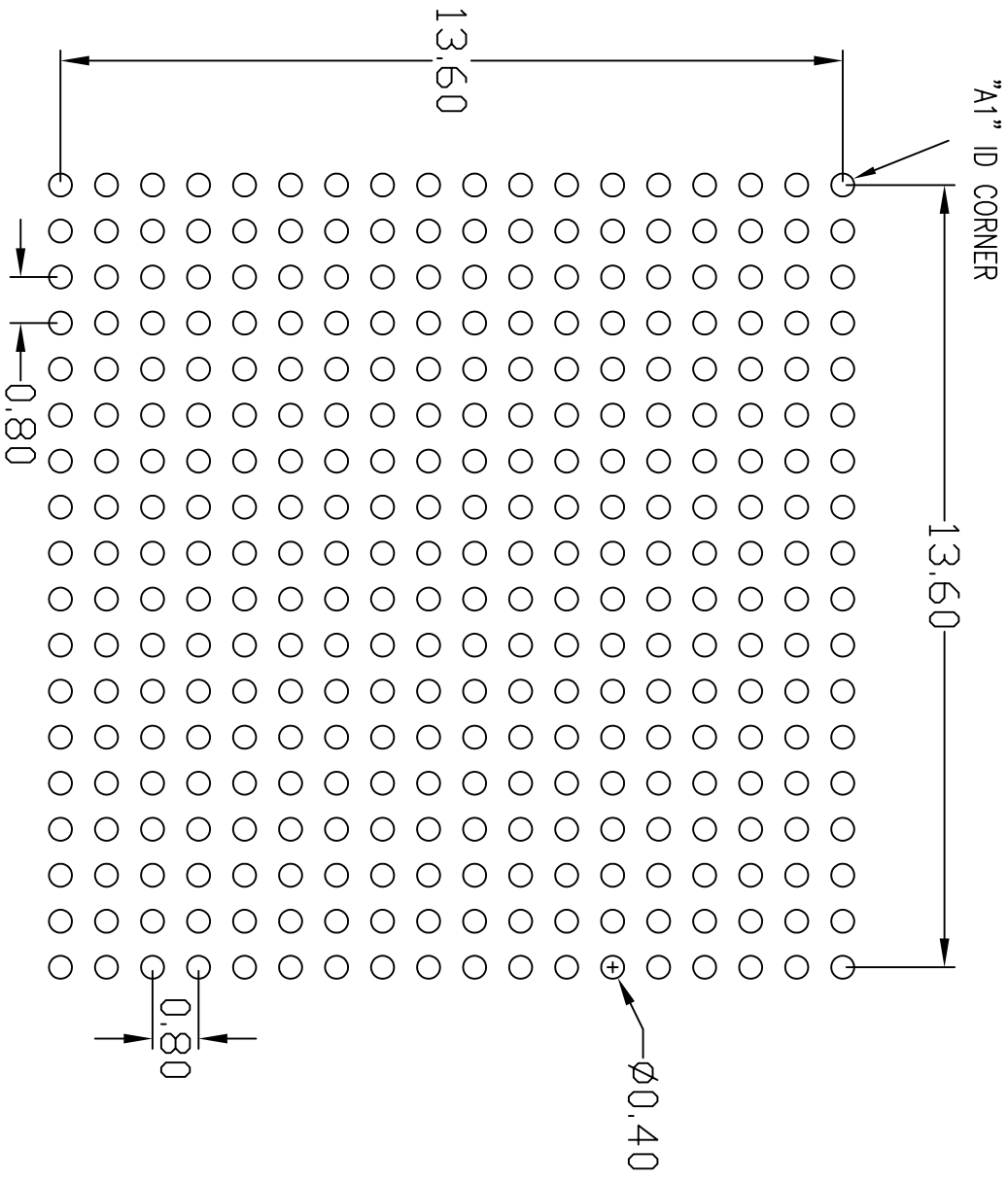



Package :	Symbol	Common Dimensions
Package :		FPBGA
Body Size:	X	17,000
	Y	17,000
Ball Pitch :	X	0.800
	Y	0.800
Total Thickness :	A	1.700 MAX
Mold Thickness :	M	0.700 Ref.
Substrate Thickness :	S	0.360 Ref.
Ball Diameter :		0.45 Ref.
Stand Off :	A1	0.250 ~ 0.400
Ball Width :	b	0.400 ~ 0.500
Package Edge Tolerance :	aaa	0.150
Mold Flatness :	bbb	0.200
Coplanarity:	ddd	0.150
Ball Offset (Package) :	eee	0.150
Ball Offset (Ball) :	fff	0.080
Ball Count :	n	324
Edge Ball Center to Center :	X	13,600
	Y	13,600

TOLERANCES UNLESS SPECIFIED DECIMAL ANGLULAR XXX± XXX± XXX± ±			6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 294-8200 FAX: (408) 294-3572
APPROVALS DRAWN: GJK CHECKED:	DATE 05/30/11		
SIZE: C DRAWING NO: PSC-4369	REV: 01	DO NOT SCALE DRAWING SHEET 1 OF 3	



RECOMMENDED LAND PATTERN DIMENSION

TOLERANCES UNLESS SPECIFIED		www.IDT.com		 6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 294-8200 FAX: (408) 294-3572	
DECIMAL	±	DATE	08/09/08/12	TITLE	BP/BPG324 FPBGA PACKAGE OUTLINE
ANGULAR	±	APPROVALS		SIZE	C
XXX±		DRAWN	02/09/08/12	DRAWING No.	PSC-4369
XXXX±		CHECKED		REV	01
				DO NOT SCALE DRAWING	SHEET 2 OF 3

