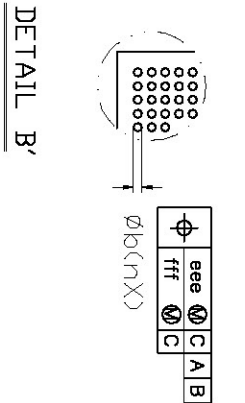
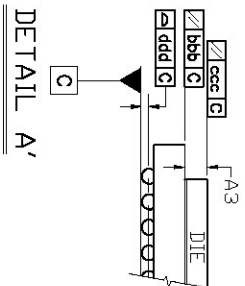


	SYMBOL	COMMON DIMENSIONS		
		MIN.	NDM.	MAX.
TOTAL THICKNESS	A	2.510	2.760	3.010
STAND OFF	A1	0.160	-	0.260
SUBSTRATE THICKNESS	A2	1.150	-	REF
THICKNESS FROM SUBSTRATE SURFACE TO DIE BACKSIDE	A3	-	-	REF
BODY SIZE	D	19.000	-	BSC
BALL DIAMETER	E	19.000	-	BSC
BALL WIDTH	b	0.270	-	0.370
BALL PITCH	e	0.500	-	BSC
BALL COUNT	n	1296	-	BSC
EDGE BALL CENTER TO CENTER	D1	17.500	-	BSC
	E1	17.500	-	BSC
EXPOSE DIE SIZE	D2	-	-	BSC
	E2	-	-	BSC
PACKAGE EDGE TOLERANCE	aaa	0.200	-	BSC
SUBSTRATE PARALLELISM	bbb	0.100	-	BSC
TOP PARALLELISM	ccc	0.200	-	BSC
COPLANARITY	ddd	0.150	-	BSC
BALL OFFSET(PACKAGE)	eee	0.250	-	BSC
BALL OFFSET (BALL)	fff	0.100	-	BSC



FOR ISEEU ONLY

TITLE		SCALE		DWG. NO.		PROJ.		REV.	
PACKAGE OUTLINE		---		---		---		---	
1296 L HFC FBGA 19,000X19,000X 2,760 MM		---		---		---		---	
(3+2+3 LAYERS)		---		---		---		---	
UNIT		TOLERANCE		REFERENCE DOCUMENT		---		---	
MM		ANGLE		---		---		---	