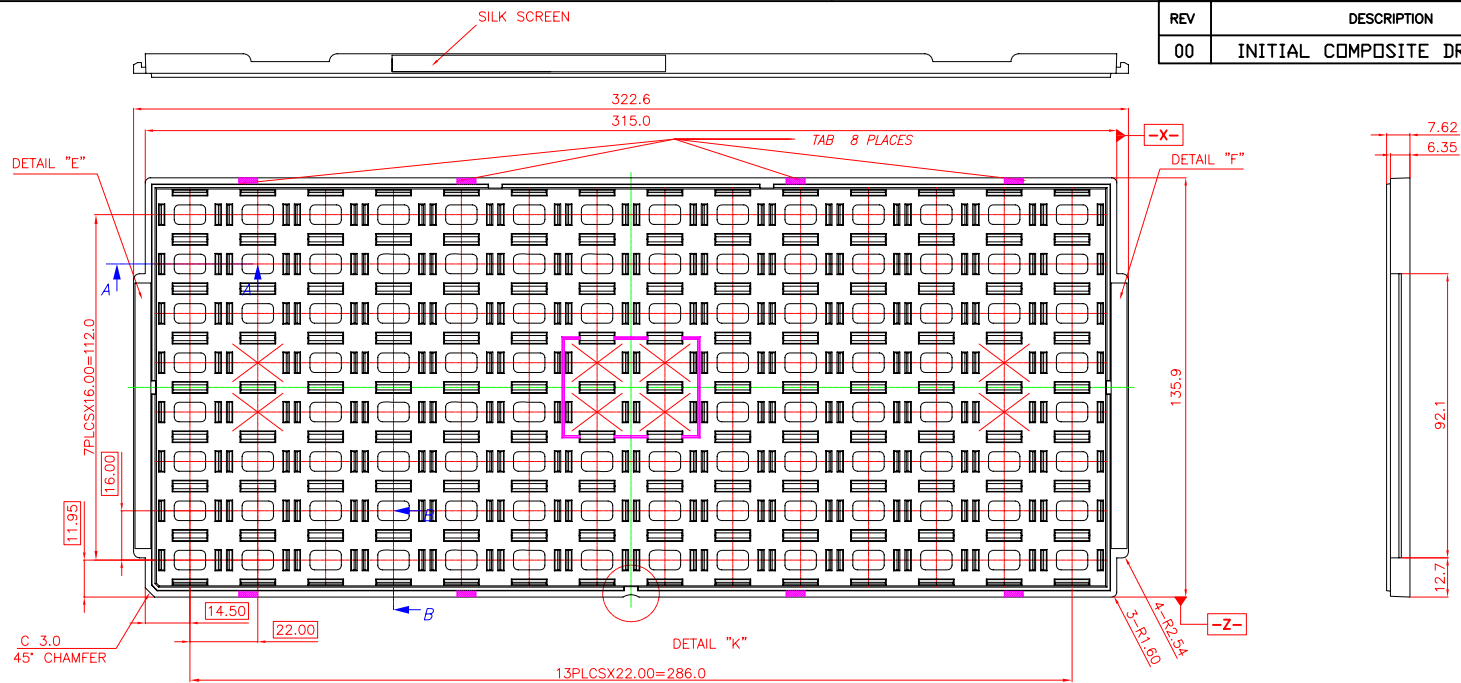


REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



(XX) (X)  
DATE DETAIL  
 (SCALE:3/1)  
 XX : Year  
 (09,10,11,.....)  
 X : Month  
 (1,2,3,4,5,6,7,8,9,X,Y,Z)

BGA 11.9mmX16.0mm  
KS-880618 REV.00

**KOSTAT** BGA 11.9mm X 16.0mm 112 POCKETS

DETAIL "D"  
(SCALE:2/1)

DETAIL "E"  
(SCALE:2/1)

BGA 11.9mmX16.0mm 5.01mm 112 POCKETS

SILK SCREEN DETAIL  
(SCALE:2/1)



TEMPERATURE RATING BLOCK

DETAIL "F"  
(SCALE:1.5/1)

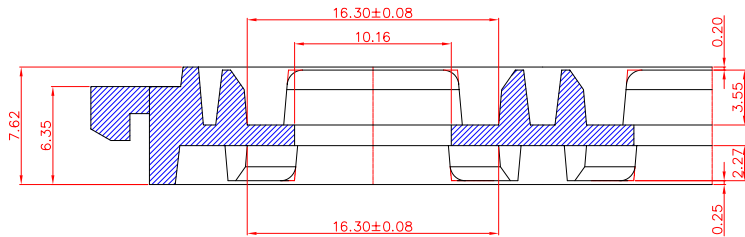
**LINEAR**  
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1630 McCarthy Blvd.  
Milpitas, CA, 95035  
Phone: 408-432-1900  
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PIECE PART DRAWING  
BGA 11.9mm X 16.0mm  
BLACK TRAY

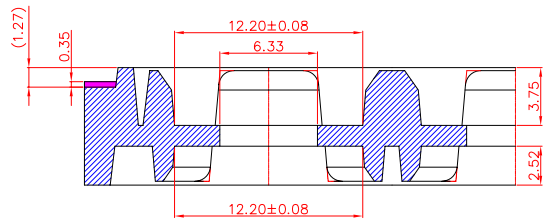
DRAWING NO.  
50-8090

APPROVALS		DATE:	TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DRAWN: M.OTHIEND / D.PRUITT			FRACTIONS N/A	DECIMALS XX.X ± 0.03 XXX.X ± 0.03	ANGLES * 1
CHECKED: R.RANGANATHAN			SCALE N/A	SIZE N/A	SHEET 1 OF 4

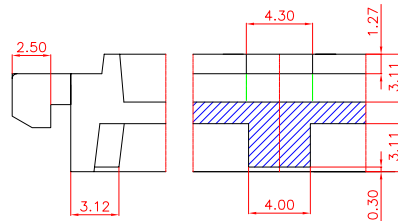
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



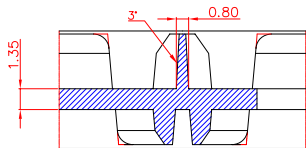
SECTION "A"  
(SCALE:4/1)



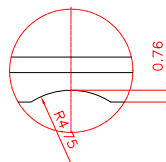
SECTION "B"  
(SCALE:4/1)



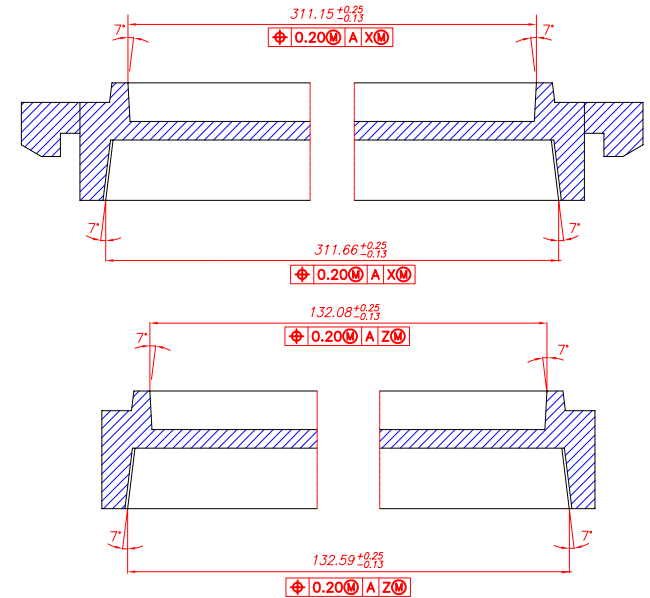
SLIP LOCK  
(SCALE:5/1)



VACUUM CELL  
(SCALE:5/1)



DETAIL "K"  
(SCALE:4/1)



TRAY STACKING DETAIL  
(SCALE:5/1)

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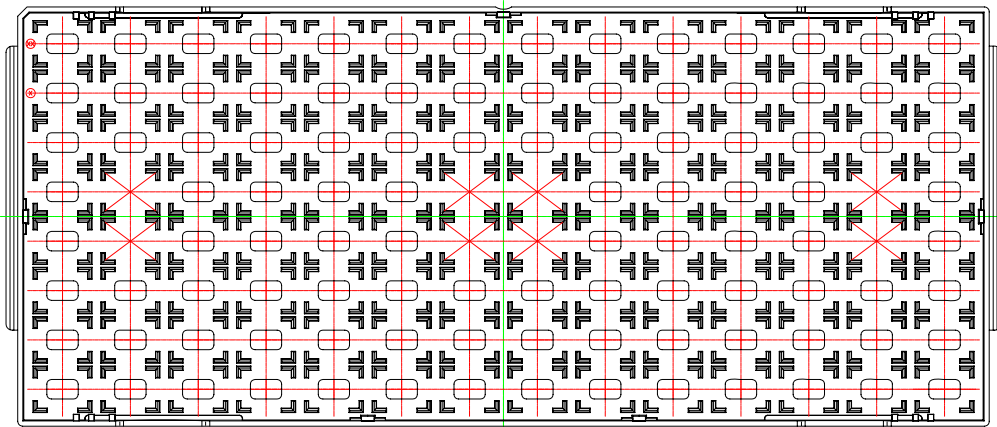
PIECE PART DRAWING  
BGA 11.9mm X 16.0mm  
BLACK TRAY

DRAWING NO.  
50-8090

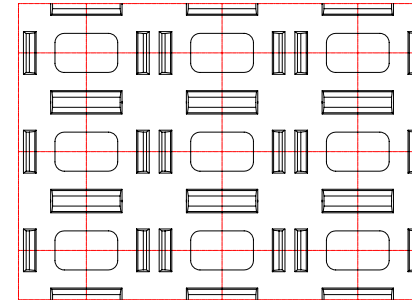
APPROVALS  
DRAWN: M.OTHIEND / D.PRUITT  
CHECKED: R.RANGANATHAN

DATE:  
TOLERANCES UNLESS OTHERWISE SPECIFIED:  
FRACTIONS N/A  
DECIMALS 0.001 ± 0.003  
ANGLES \* 1  
SCALE N/A  
SIZE N/A  
SHEET 2 OF 4

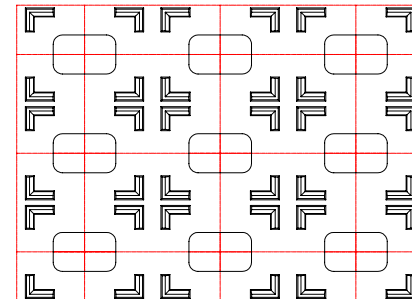
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



BOTTOM VIEW



TOP VIEW  
(SCALE:2/1)



BOTTOM VIEW  
(SCALE:2/1)

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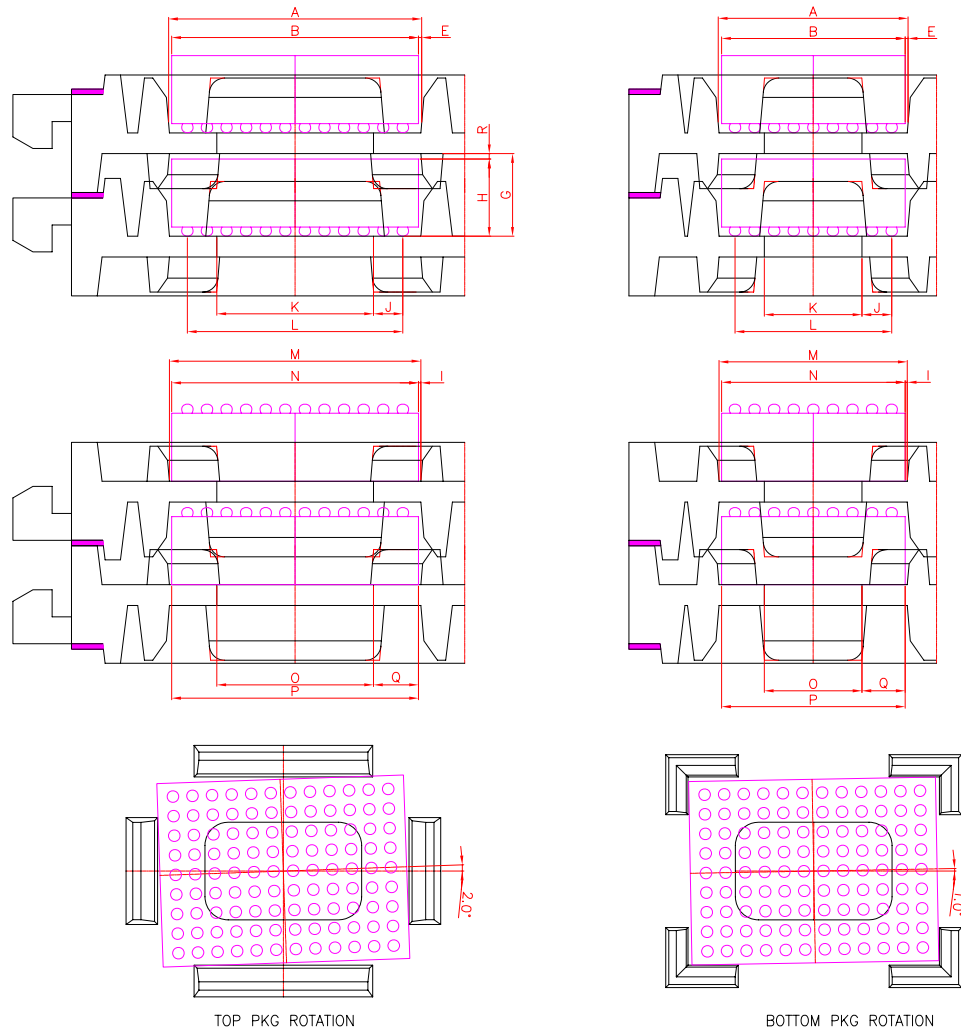
PIECE PART DRAWING  
BGA 11.9mm X 16.0mm  
BLACK TRAY

DRAWING NO. 50-8090

APPROVALS DATE:  
DRAWN: M.OTHIEND / D.PRUITT  
CHECKED: R.RANGANATHAN

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
FRACTIONS N/A  
DECIMALS  
X.XX ± 0.02  
X.XXX ± 0.013  
ANGLES \* 1  
SCALE N/A  
SIZE N/A  
SHEET 3 OF 4

REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



SIMULATION CRITERIA						
1	A>B	PACKAGE SEATING				
2	E>O	PACKAGE LATERAL PLAY				
3	G>H	PACKAGE VERTICAL PLAY				
4	R>O	PACKAGE VERTICAL GAP				
5	K>L	PACKAGE NESTING PLAY				
6	J>O	PACKAGE FELL OFF THE SHELF				
7	M>N	PACKAGE SEATING PLAY(FLIPPED)				
8	I>O	PACKAGE LATERAL PLAY(FLIPPED)				
9	O<P	PACKAGE NESTING(FLIPPED)				
10	O>P	PACKAGE NESTING PLAY(FLIPPED)				

No.	Item	Section A-A Condition	Nominal		WC1		WC2		Result
			Nom Tray	Max Tray	Min Tray	Max Tray	Min Tray	Max Tray	
1	Tray	A	16.400	16.480	16.320				PASS
	Pkg	B	16.000	15.850	16.150				
2	Gap	E=(A-B)/2	0.200	0.315	0.085				PASS
3	Tray	G	5.350	5.480	5.220				
	Pkg	H	5.010	4.810	5.210				PASS
4	Gap	R=(G-H)	0.340	0.670	0.010				
5	Tray	K	10.160	10.290	10.030				PASS
	Pkg	L	13.970	13.820	14.120				
6	Gap	J=(L-K)/2	1.905	1.765	2.045				PASS
7	Tray	M	16.300	16.380	16.220				
	Pkg	N	16.000	15.850	16.150				PASS
8	Gap	I=(M-N)/2	0.150	0.265	0.035				
9	Tray	O	10.160	10.290	10.030				PASS
	Pkg	P	16.000	15.850	16.150				
10	Gap	Q=(P-O)/2	2.920	2.780	3.060				PASS

No.	Item	Section B-B Condition	Nominal		WC1		WC2		Result
			Nom Tray	Max Tray	Min Tray	Max Tray	Min Tray	Max Tray	
1	Tray	A	12.300	12.380	12.220				PASS
	Pkg	B	12.000	11.850	12.150				
2	Gap	E=(A-B)/2	0.150	0.265	0.035				PASS
3	Tray	G	5.350	5.480	5.220				
	Pkg	H	5.010	4.810	5.210				PASS
4	Gap	R=(G-H)	0.340	0.670	0.010				
5	Tray	K	6.330	6.460	6.200				PASS
	Pkg	L	10.160	10.010	10.310				
6	Gap	J=(L-K)/2	1.915	1.775	2.055				PASS
7	Tray	M	12.200	12.280	12.120				
	Pkg	N	11.900	11.750	12.050				PASS
8	Gap	I=(M-N)/2	0.150	0.265	0.035				
9	Tray	O	6.330	6.460	6.200				PASS
	Pkg	P	11.900	11.750	12.050				
10	Gap	Q=(P-O)/2	2.785	2.645	2.925				PASS

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PIECE PART DRAWING  
 BGA 11.9mm X 16.0mm  
 BLACK TRAY

DRAWING NO.

50-8090

APPROVALS		DATE:	TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DRAWN: M.OTHIEND / D.PRUITT			FRACTIONS N/A	DECIMALS X0.01 ± 0.03 X0.005 ± 0.013	ANGLES ± 1
CHECKED: R.RANGANATHAN			SCALE N/A	SIZE N/A	SHEET 4 OF 4