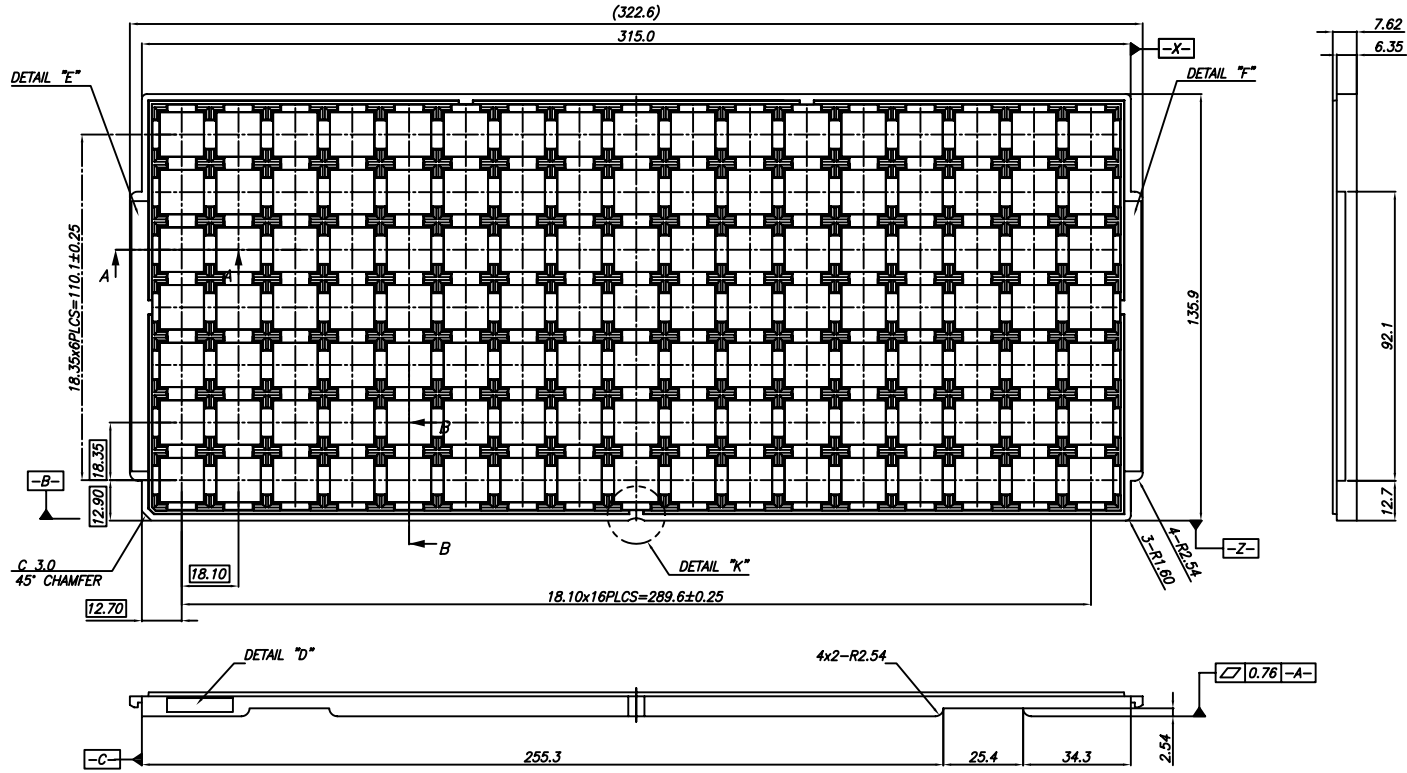
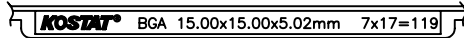


REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



BGA 15.00x15.00x5.02mm
 KS-880439 REV.00

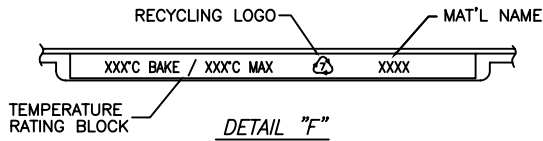


DETAIL "D"
 (SCALE:2/1)

DETAIL "E"
 (SCALE:2/1)



DATE DETAIL
 (SCALE:2/1)



DETAIL "F"
 (SCALE:2/1)

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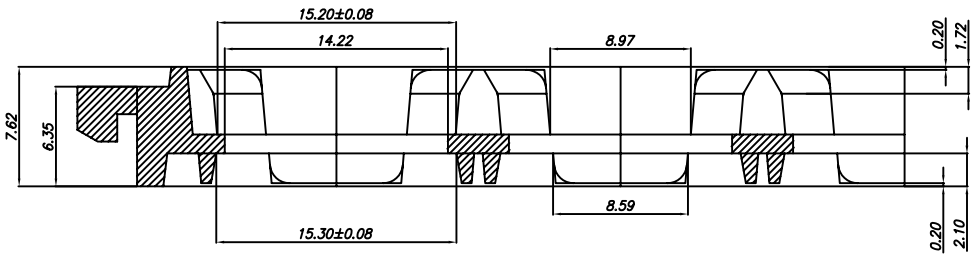
PIECE PART DRAWING
 BGA 15.00x15.00x5.02mm
 BLACK TRAY

DRAWING NO.
 50-8068 REV0

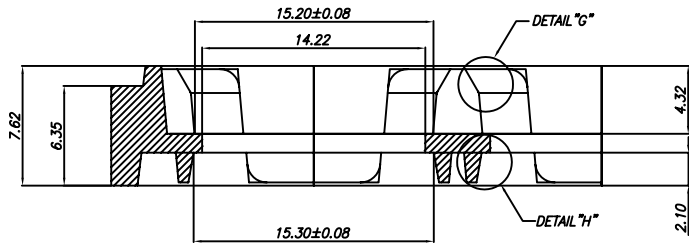
APPROVALS
 DRAWN: M.OTHEND / D.PRUITT
 CHECKED: R.RANGANATHAN

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 FRACTIONS N/A
 DECIMALS XXXX ± 0.02
 XXXX ± 0.013
 ANGLES ± 1
 SCALE N/A
 SIZE N/A
 SHEET 1 OF 4

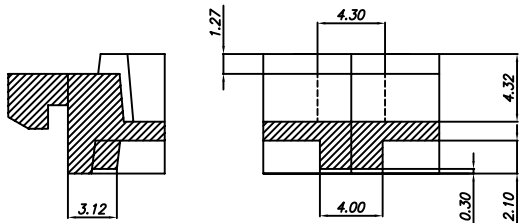
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



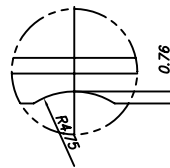
SECTION "A-A"
(SCALE:5/1)



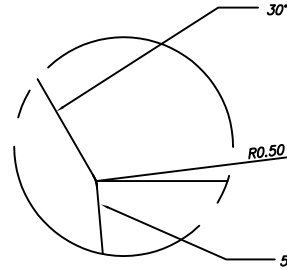
SECTION "B-B"
(SCALE:5/1)



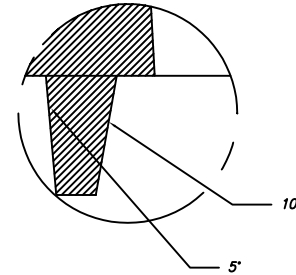
SLIP LOCK DETAIL
(SCALE:5/1)



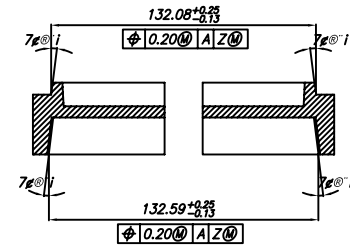
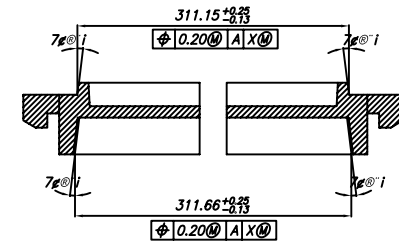
DETAIL "K"
(SCALE:5/1)



DETAIL "G"
(SCALE:20/1)



DETAIL "H"
(SCALE:20/1)



TRAY STACKING DETAIL
(SCALE:3/1)

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PIECE PART DRAWING
BGA 15.00x15.00x5.02mm
BLACK TRAY

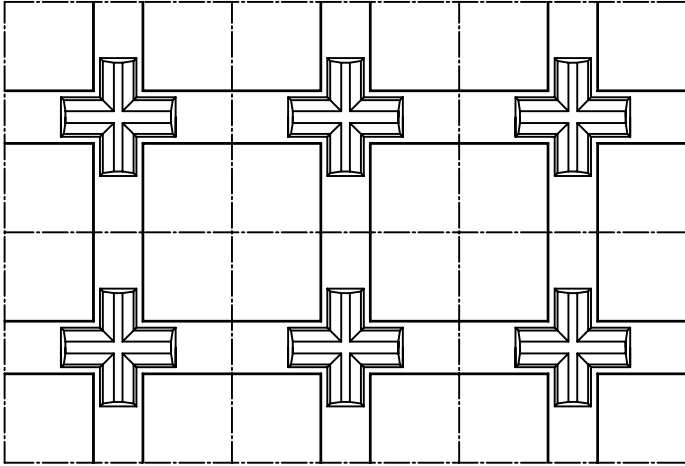
DRAWING NO.
50-8068 REV0

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

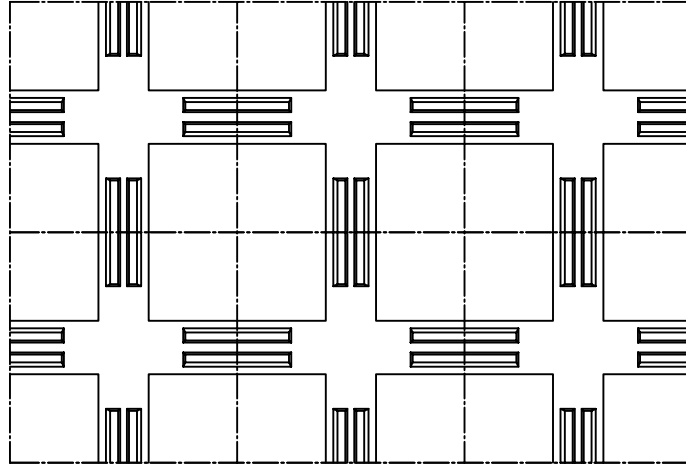
DATE:

TOLERANCES UNLESS OTHERWISE SPECIFIED:
FRACTIONS N/A
DECIMALS
XXX = ± 0.005
XXXX = ± 0.003
ANGLES ± 1
SCALE N/A
SIZE N/A
SHEET 2 OF 4

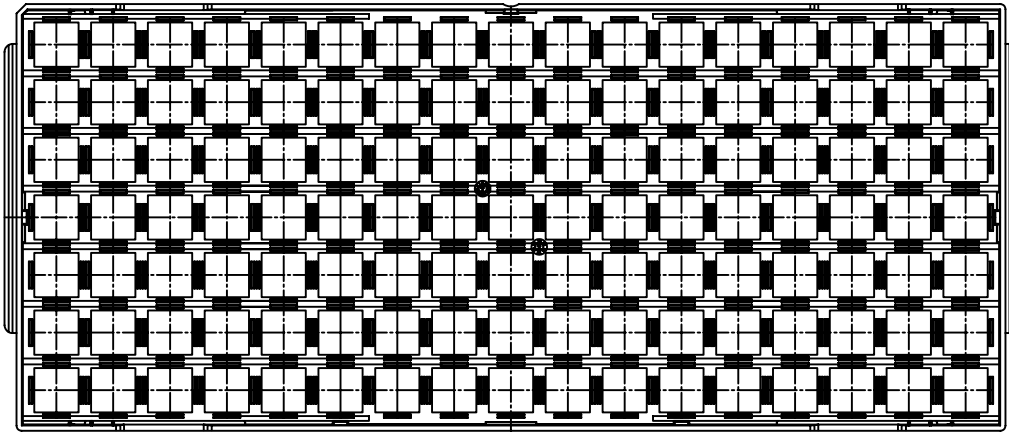
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		




TOP VIEW
(SCALE:4/1)



BOTTOM VIEW
(SCALE:4/1)

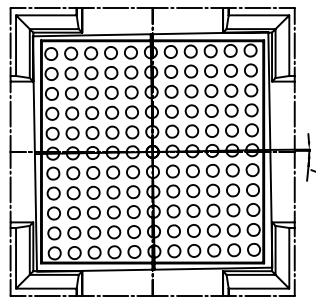
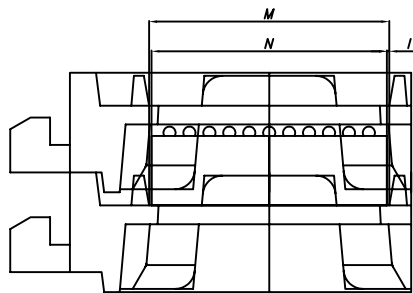
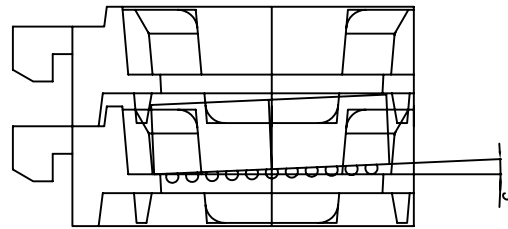
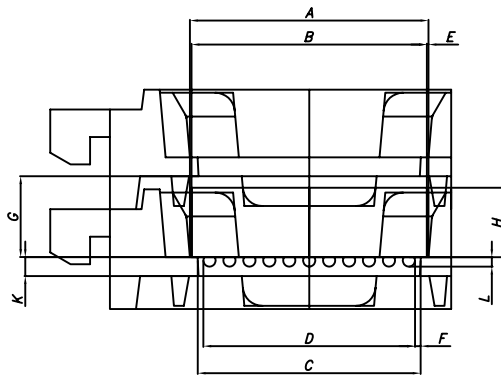


BOTTOM VIEW
(SCALE:1/1)

 1630 McCarthy Blvd. Milpitas, CA. 95035 Phone: 408-432-1900 LTC Confidential		PIECE PART DRAWING BGA 15.00x15.00x5.02mm BLACK TRAY	
		DRAWING NO.	
APPROVALS		DATE:	
DRAWN: M.OTHIEIND / D.PRUITT		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
CHECKED: R.RANGANATHAN		FRACTIONS N/A	DECIMALS XXXX ± 0.02 XXXXX ± 0.03
		SCALE N/A	ANGLES ± 1
		SIZE N/A	SHEET 3 OF 4
		50-8068 REV0	

Package Body Size	BGA 15.00mm x15.00 mm
LTC Package Dwg. no.	LTC- 05-08-1880 REV.00
Kostat Tray Dwg. no.	KS-880439

REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



SIMULATION CRITERIA					
1.	$A > B$	PACKAGE LATERAL PLAY			
2.	$C > D$	BALL LATERAL PLAY			
3.	$E < F$	BALL TOUCH THE SHELVE			
4.	$G > H$	PACKAGE VERTICAL PLAY			
5.	$I > \text{Zero}$	PACKAGE LATERAL PLAY (FLIPPED)			
6.	$K > L$	BALL TOUCH THE FLOOR			
7.	$M > N$	PACKAGE LATERAL PLAY (FLIPPED)			
No.	Section "AA" Condition	Nominal	Max. TRAY Min. PKG Wc 1	Min. TRAY Max. PKG Wc 2	Results
1	Tray A	15.200	15.280	15.120	Pass
	Pkg. B	15.000	14.900	15.100	
2	Tray C	14.200	14.330	14.070	Pass
	Pkg. D	13.480	13.430	13.530	
3	Gap. $E(A-B/2)$	0.100	0.190	0.010	Pass
	Gap. $F(C-D/2)$	0.360	0.450	0.270	
4	Tray G	5.150	5.280	5.020	Pass
	Pkg. H	4.420	4.320	4.520	
5	Gap. $I(N-M/2)$	0.150	0.240	0.060	Pass
	Gap. $J(O-P/2)$	-	-	-	
6	Tray K	1.200	1.330	1.070	Pass
	Pkg. L	0.600	0.500	0.700	
7	Tray M	15.300	15.380	15.220	Pass
	Pkg. N	15.000	14.900	15.100	

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PIECE PART DRAWING
BGA 15.00x15.00x5.02mm
BLACK TRAY

DRAWING NO.

50-8068 REV0

APPROVALS DATE:

DRAWN:
M.OTHIEIND / D.PRUITT

CHECKED:
R.RANGANATHAN

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FRACTIONS
N/A

DECIMALS
 $\frac{XXX}{1000} = \pm 0.003$
 $\frac{XXX}{100} = \pm 0.01$

ANGLES
 ± 1

SCALE
N/A

SIZE
N/A

SHEET
4 OF 4