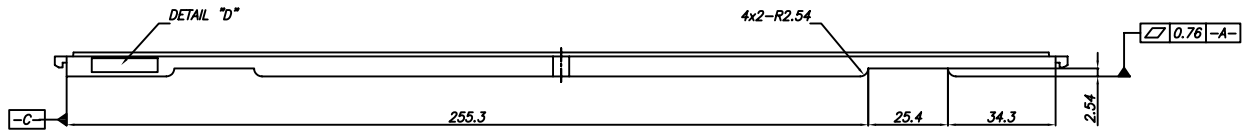
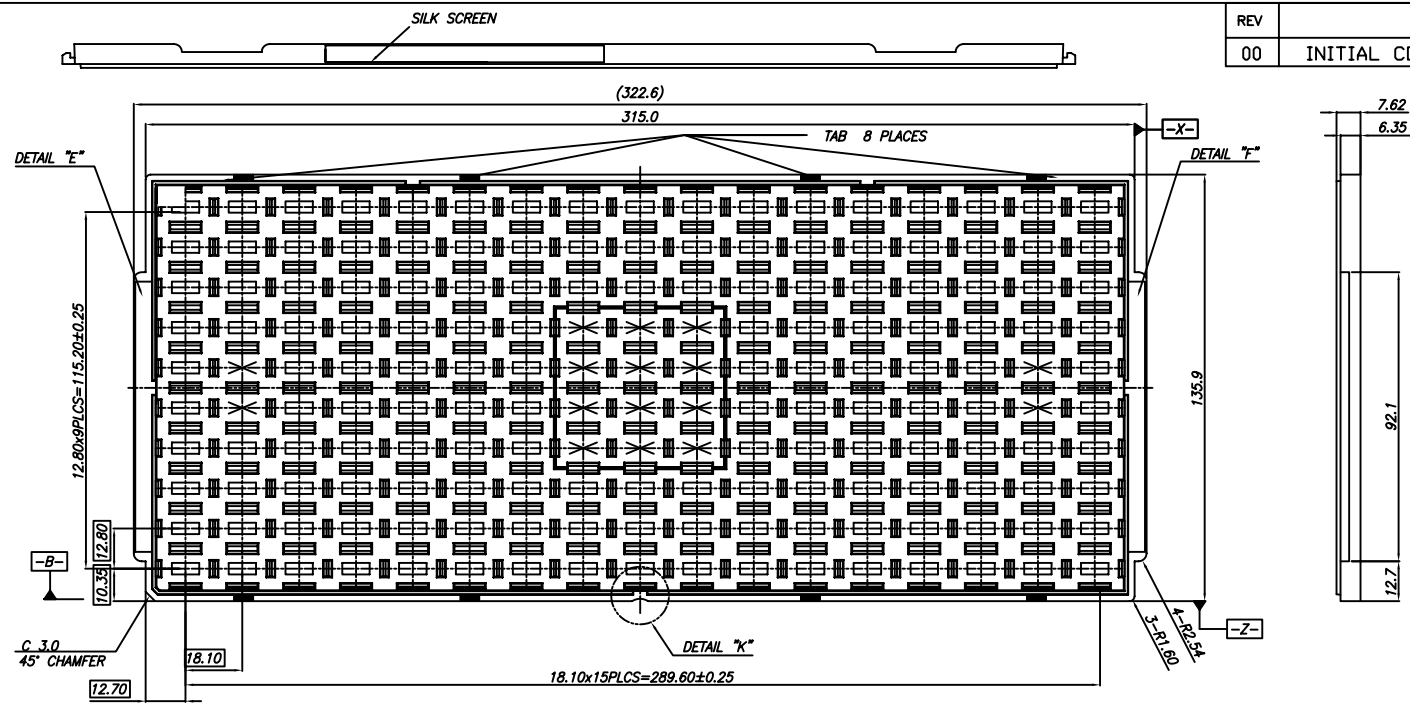


REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



DATE DETAIL
(SCALE:2/1)

BGA 15.00mm x 9.00mm
KS - 880480 REV.00

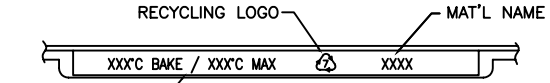
KOSZAR BGA 15mmX9mmX4.92mm 170 POCKETS

DETAIL "D"
(SCALE:2/1)

DETAIL "E"
(SCALE:2/1)

BGA 15mmX9mmX4.92mm 170 POCKETS

SILK SCREEN DETAIL
(SCALE:2/1)



TEMPERATURE RATING BLOCK

DETAIL "F"
(SCALE:2/1)

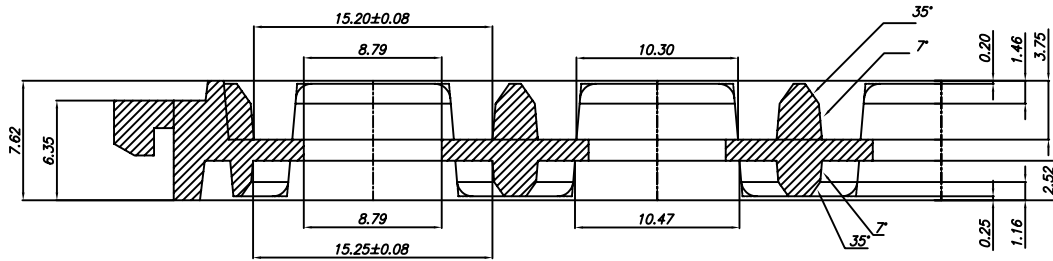
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Milpitas, CA, 95035
Phone: 408-432-1900
LTC Confidential

PIECE PART DRAWING
BGA 15.00mm x 9.00mm
BLACK TRAY
DRAWING NO. 50-8074

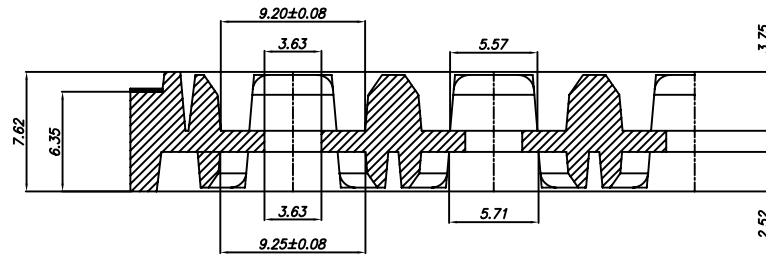
APPROVALS DATE:
DRAWN: M.OTHEND / D.PRUITT
CHECKED: R.RANGANATHAN

TOLERANCES UNLESS OTHERWISE SPECIFIED:
FRACTIONS N/A DECIMALS XXXX ± 0.03 XXXX ± 0.03 ANGLES ± 1
SCALE N/A SIZE N/A SHEET 1 OF 4

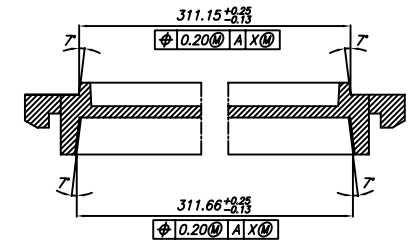
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



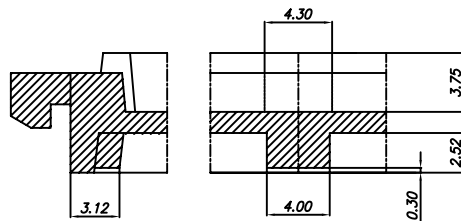
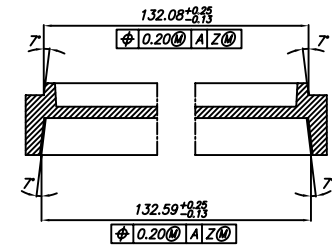
SECTION "A-A"
(SCALE:5/1)



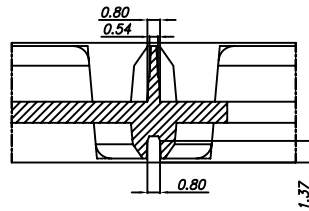
SECTION "B-B"
(SCALE:5/1)



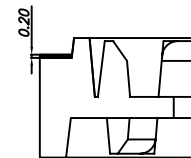
TRAY STACKING DETAIL
(SCALE:4/1)



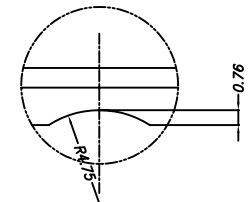
SLIP LOCK
(SCALE:5/1)



VACUUM DETAIL
(SCALE:5/1)



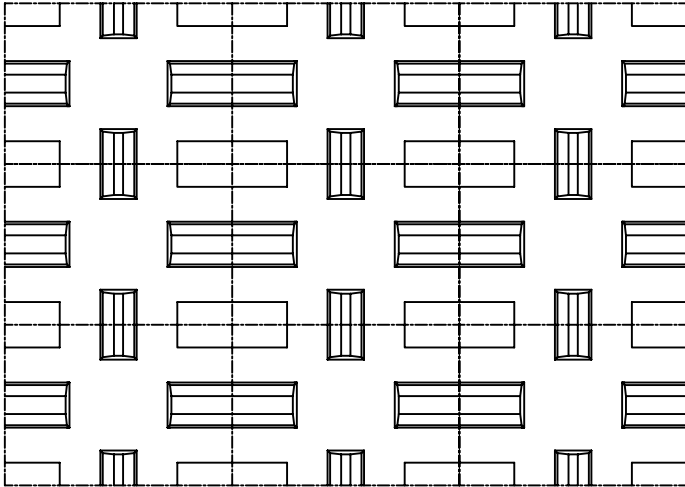
TAB DETAILS
(SCALE:5/1)



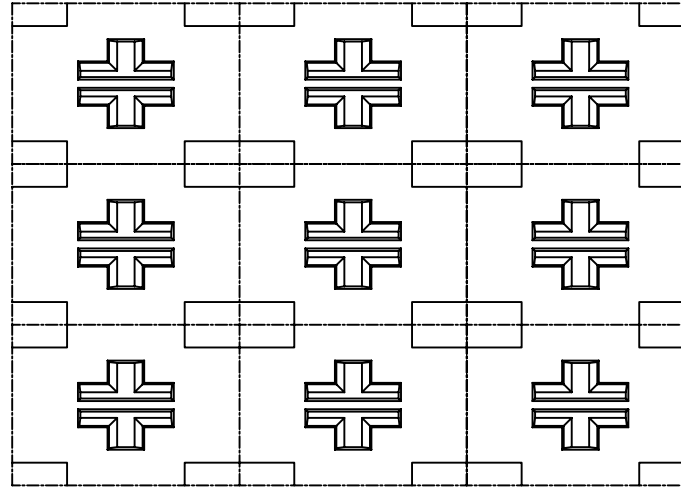
DETAIL "K"
(SCALE:5/1)

 1630 McCarthy Blvd. Milpitas, CA, 95035 Phone: 408-432-1900 LTC Confidential		PIECE PART DRAWING	
		BGA 15.00mm x 9.00mm BLACK TRAY	
DRAWING NO.		50-8074	
APPROVALS		DATE:	
DRAWN: M.MTHIEND / D.PRUITT		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
CHECKED: R.RANGANATHAN		FRACTIONS N/A	DECIMALS XXXX ± 0.005 XXXXX ± 0.003
		SCALE N/A	ANGLES ± 1
		SIZE N/A	SHEET 2 OF 4

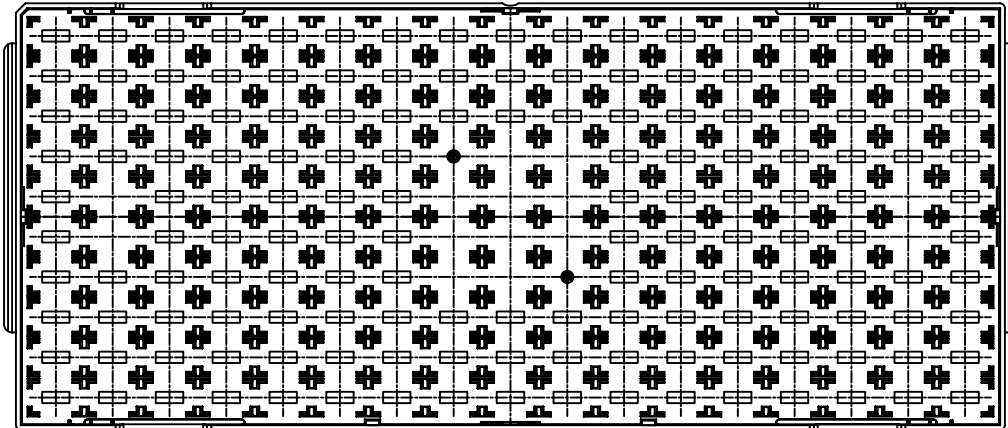
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		




TOP VIEW
(SCALE:4/1)



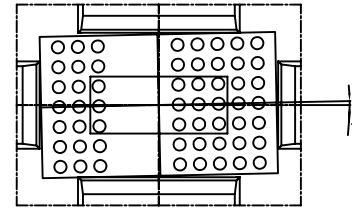
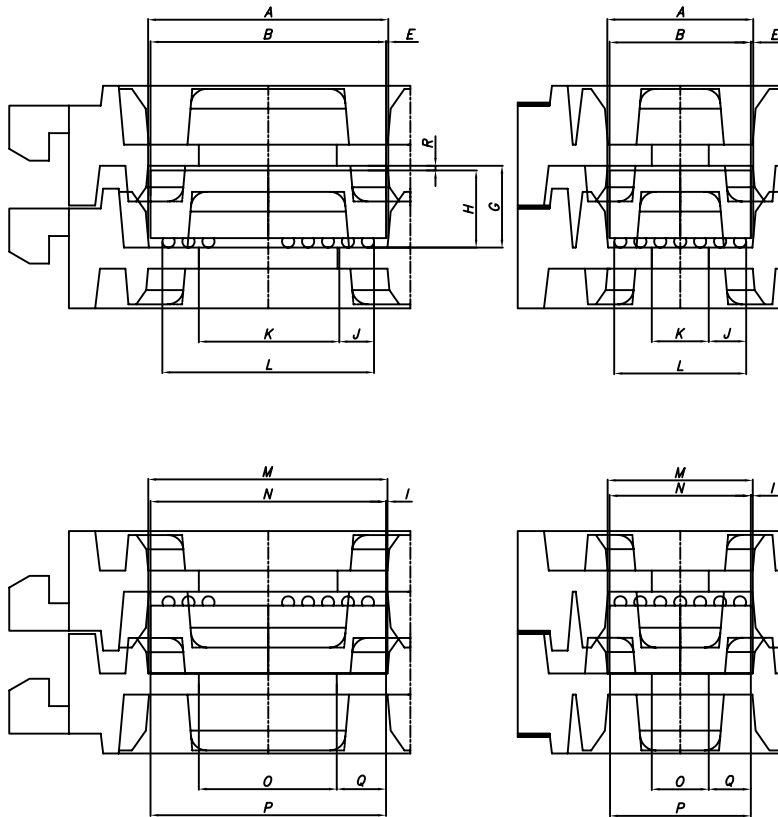
BOTTOM VIEW
(SCALE:4/1)



BOTTOM VIEW
(SCALE:1/1)

 1630 McCarthy Blvd. Milpitas, CA. 95035 Phone: 408-432-1900 LTC Confidential	PIECE PART DRAWING BGA 15.00mm x 9.00mm BLACK TRAY		
	DRAWING NO.		50-8074
APPROVALS	DATE:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
DRAWN: M.OTHEND / D.PRUITT		FRACTIONS N/A	DECIMALS XXX ± 0.02 XXXX ± 0.013
CHECKED: R.RANGANATHAN		SCALE N/A	ANGLES ± 1
		SIZE N/A	SHEET 3 OF 4

REV	DESCRIPTION	DATE	APPROVED
00	INITIAL COMPOSITE DRAWING		



SIMULATION CRITERIA					
1.	A > B	PACKAGE NESTING			
2.	E > O	PACKAGE LATERAL PLAY			
3.	G > H	PACKAGE VERTICAL PLAY			
4.	I > O	PACKAGE LATERAL PLAY AT FLIPPED			
5.	K < L	PACKAGE SEATING			
6.	J > E	PACKAGE SEATING PLAY			
7.	M > N	PACKAGE NESTING AT FLIPPED			
8.	O < P	PACKAGE SEATING AT FLIPPED			
9.	Q > I	PACKAGE SEATING PLAY AT FLIPPED			
No.	Section "AA" Condition	Nominal	Max. TRAY Min. PKG Wc 1	Min. TRAY Max. PKG Wc 2	Results
1	Tray A	15.300	15.380	15.220	Pass
	Pkg. B	15.000	14.900	15.100	
2	Gap. E(A-B/2)	0.150	0.240	0.060	Pass
	Tray G	5.210	5.310	5.110	
3	Pkg. H	4.920	4.770	5.070	Pass
	Gap. R(G-H)	0.290	0.540	0.040	
4	Tray I (M-N)/2	0.125	0.215	0.035	Pass
	Tray K	8.940	9.070	8.810	
5	Pkg. L	13.480	13.380	13.580	Pass
	Gap. J(L-K/2)	2.270	2.155	2.385	
6	Tray M	15.250	15.330	15.170	Pass
	Pkg. N	15.000	14.900	15.100	
7	Tray O	8.790	8.920	8.660	Pass
	Pkg. P	15.000	14.900	15.100	
8	Tray Q	3.105	2.990	3.220	Pass
	Gap. Q(P-Q/2)	3.105	2.990	3.220	
No.	Section "BB" Condition	Nominal	Max. TRAY Min. PKG Wc 1	Min. TRAY Max. PKG Wc 2	Results
1	Tray A	9.300	9.380	9.220	Pass
	Pkg. B	9.000	8.900	9.100	
2	Gap. E(A-B/2)	0.150	0.240	0.060	Pass
	Tray G	5.210	5.310	5.110	
3	Pkg. H	4.920	4.770	5.070	Pass
	Gap. R(G-H)	0.290	0.540	0.040	
4	Tray I (M-N)/2	0.125	0.215	0.035	Pass
	Tray K	3.630	3.760	3.500	
5	Pkg. L	8.400	8.300	8.500	Pass
	Gap. J(L-K/2)	2.385	2.270	2.500	
6	Tray M	9.250	9.330	9.170	Pass
	Pkg. N	9.000	8.900	9.100	
7	Tray O	3.630	3.760	3.500	Pass
	Pkg. P	8.980	8.880	9.080	
8	Tray Q	2.675	2.560	2.790	Pass
	Gap. Q(P-Q/2)	2.675	2.560	2.790	

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PIECE PART DRAWING
BGA 15.00mm x 9.00mm
BLACK TRAY

DRAWING NO. 50-8074

APPROVALS	DATE:	TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DRAWN: M.OTHEND / D.PRUITT		FRACTIONS N/A	DECIMALS XXXX = ± 0.03 XXXXX = ± 0.013	ANGLES ± 1
CHECKED: R.RANGANATHAN		SCALE N/A	SIZE N/A	SHEET 4 OF 4