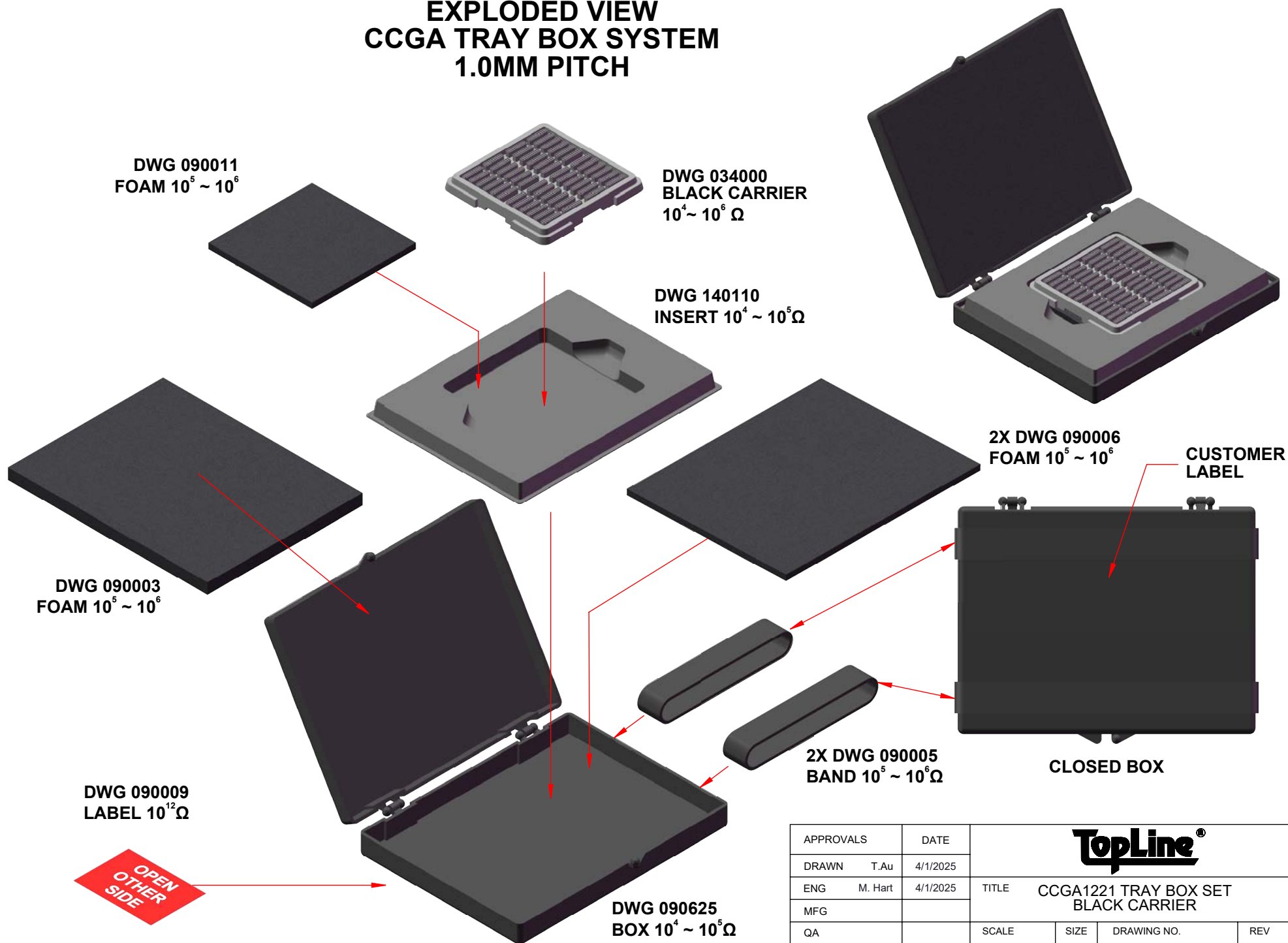


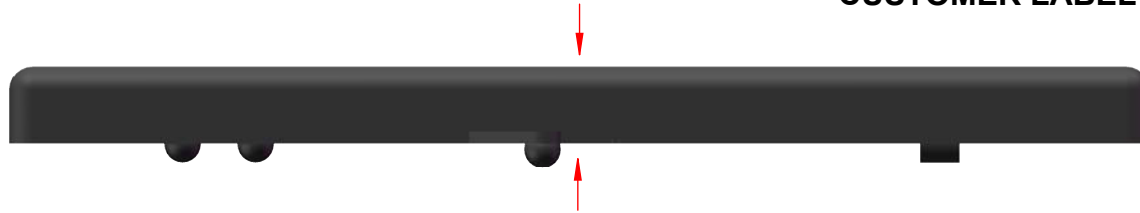
EXPLODED VIEW CCGA TRAY BOX SYSTEM 1.0MM PITCH



APPROVALS	DATE	TopLine®			
DRAWN T. Au	4/1/2025				
ENG M. Hart	4/1/2025	TITLE CCGA1221 TRAY BOX SET BLACK CARRIER			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		1:2	A	931355	A
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 13

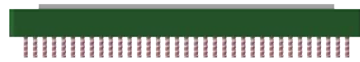
EXPLODED SIDE VIEW PITCH 1.0mm

CUSTOMER LABEL



DWG 090625 BOX TOP

DWG 090003 FOAM (LOW PROFILE CCGA)
DWG 090006 FOAM (HIGH PROFILE CCGA)



CCGA COMPONENT



DWG 034000 CARRIER



DWG 090011 FOAM (OPTIONAL LOW PROFILE CCGA)



DWG 140110 INSERT



DWG 090006 FOAM
2X - LOW PROFILE CCGA
1X - HIGH PROFILE CCGA



DWG 090625
BOX BOTTOM



DWG 090009 LABEL

TopLine®

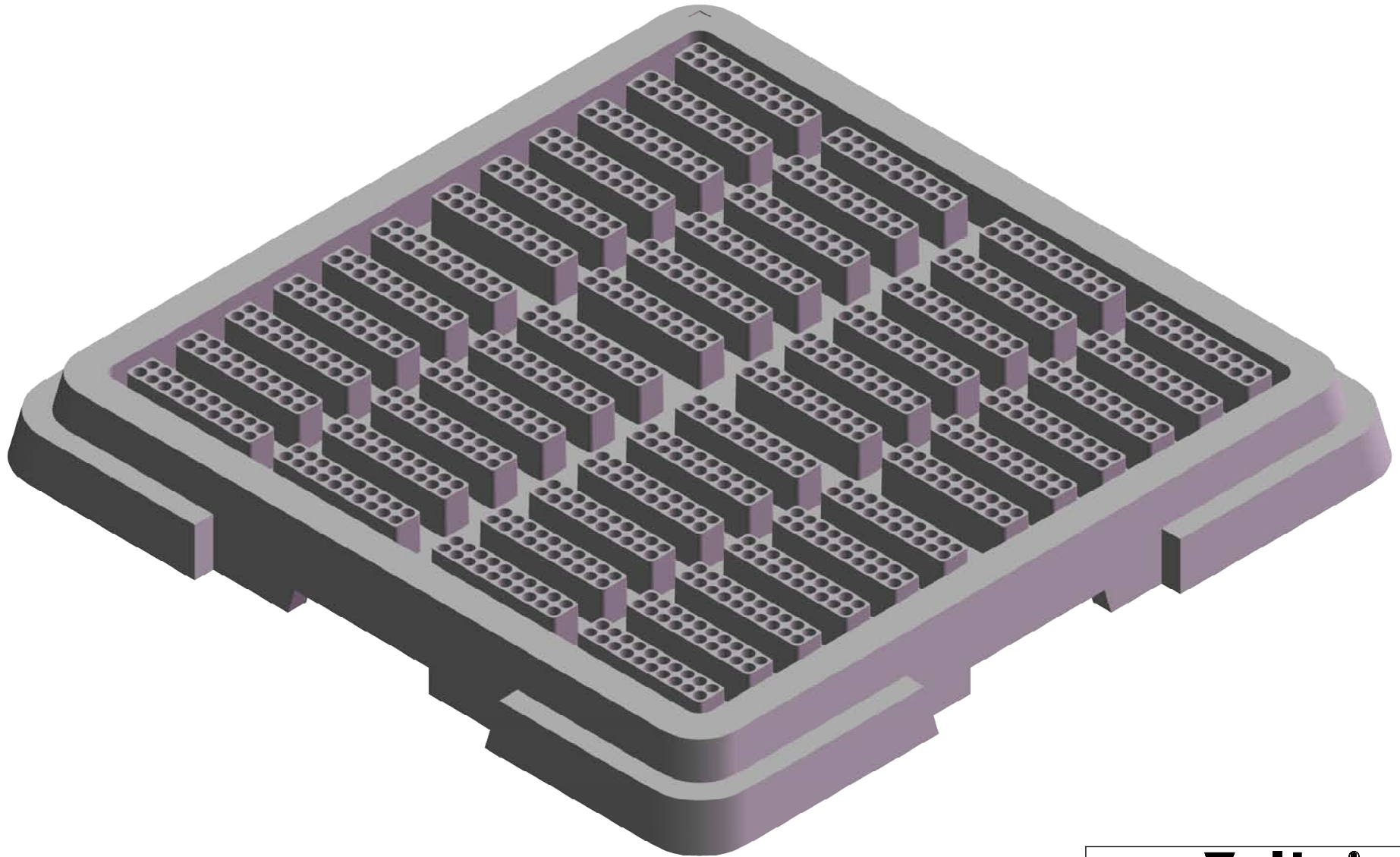
TITLE CCGA1221 TRAY BOX SET
BLACK CARRIER

SCALE 1:2	SIZE A	DRAWING NO. 931355	REV A
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DO NOT SCALE DRAWING

SHEET 2 OF 13

MODEL
TOP



TopLine®

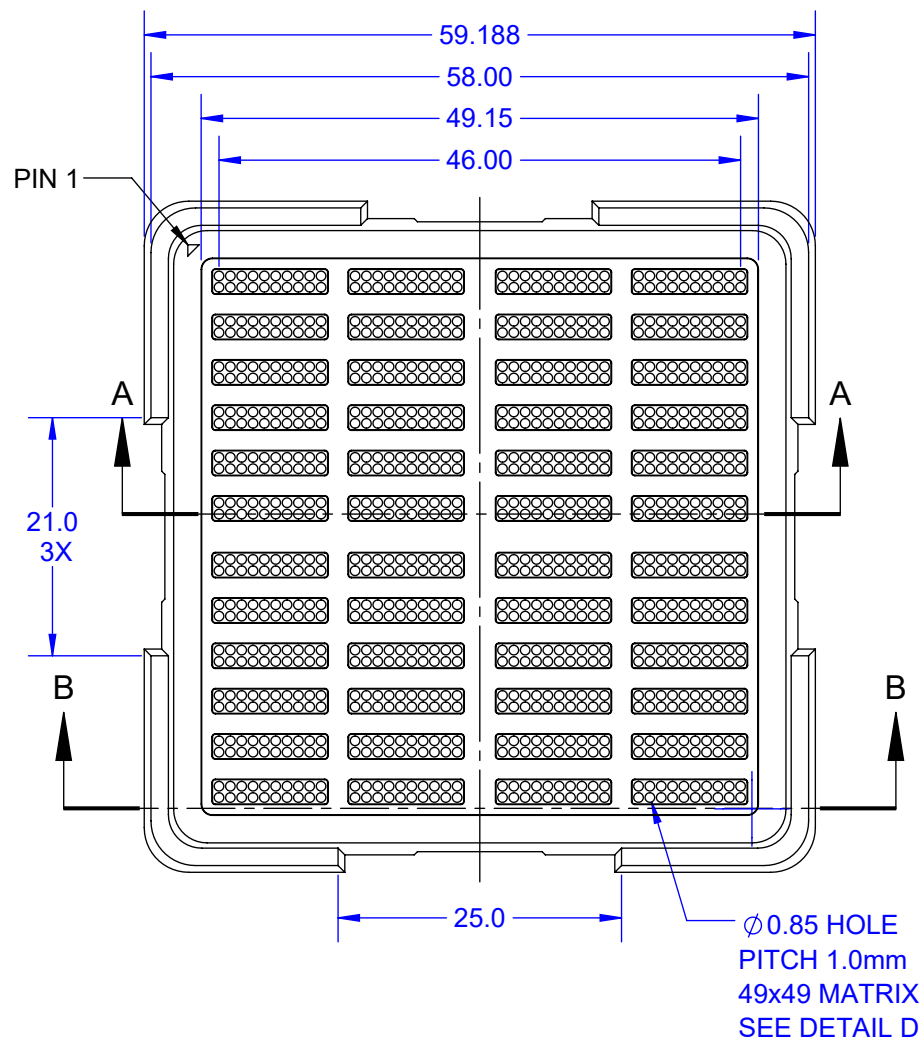
TITLE CCGA1221 TRAY BOX SET
BLACK CARRIER

SCALE 3:1	SIZE A	DRAWING NO. 931355	REV A
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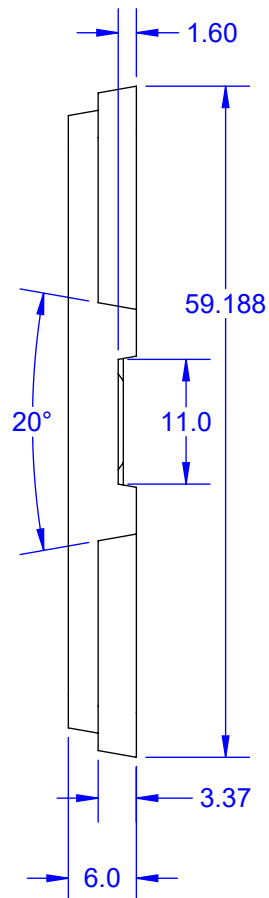
DO NOT SCALE DRAWING

SHEET 3 OF 13

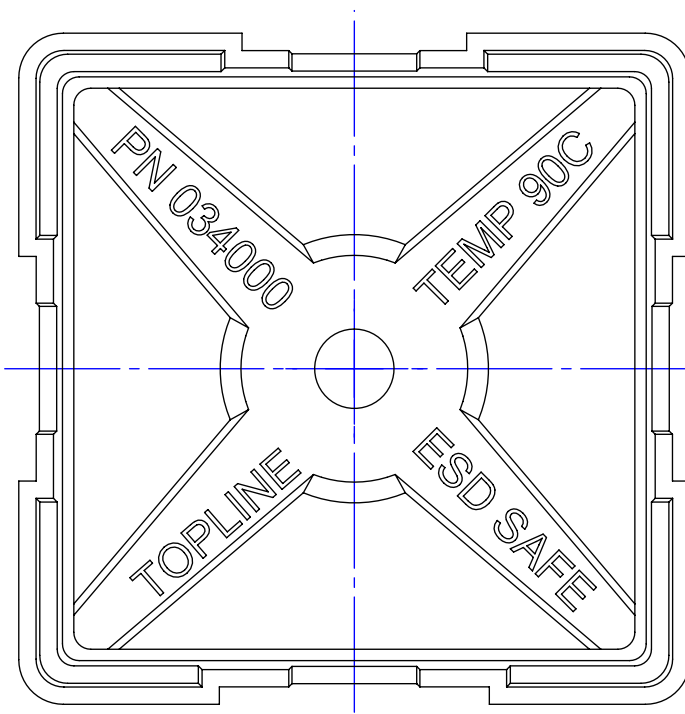
TOP



SIDE

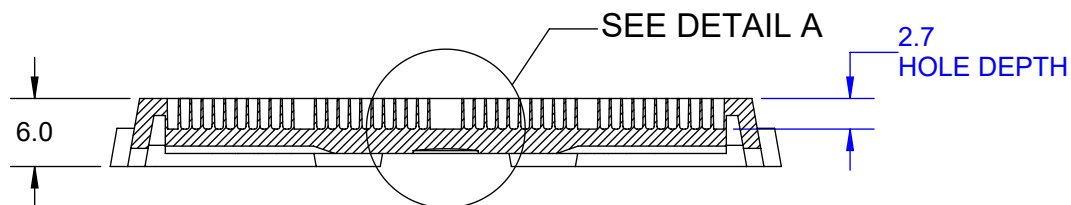


BOTTOM



NOTES:

1. DIMENSION MM.
2. MATERIAL: CONDUCTIVE POLYCARBONATE.
3. TEMPERATURE 90°C MAX.
4. COLOR: BLACK.
5. PERMANENT ESD SAFE
SURFACE RESISTIVITY $10^4 \sim 10^6 \Omega$.



SECTION A-A

TopLine®

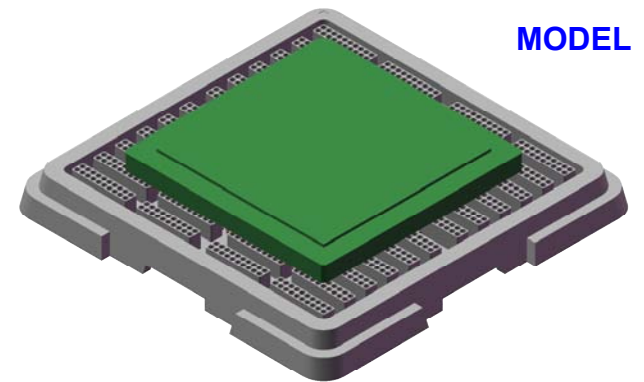
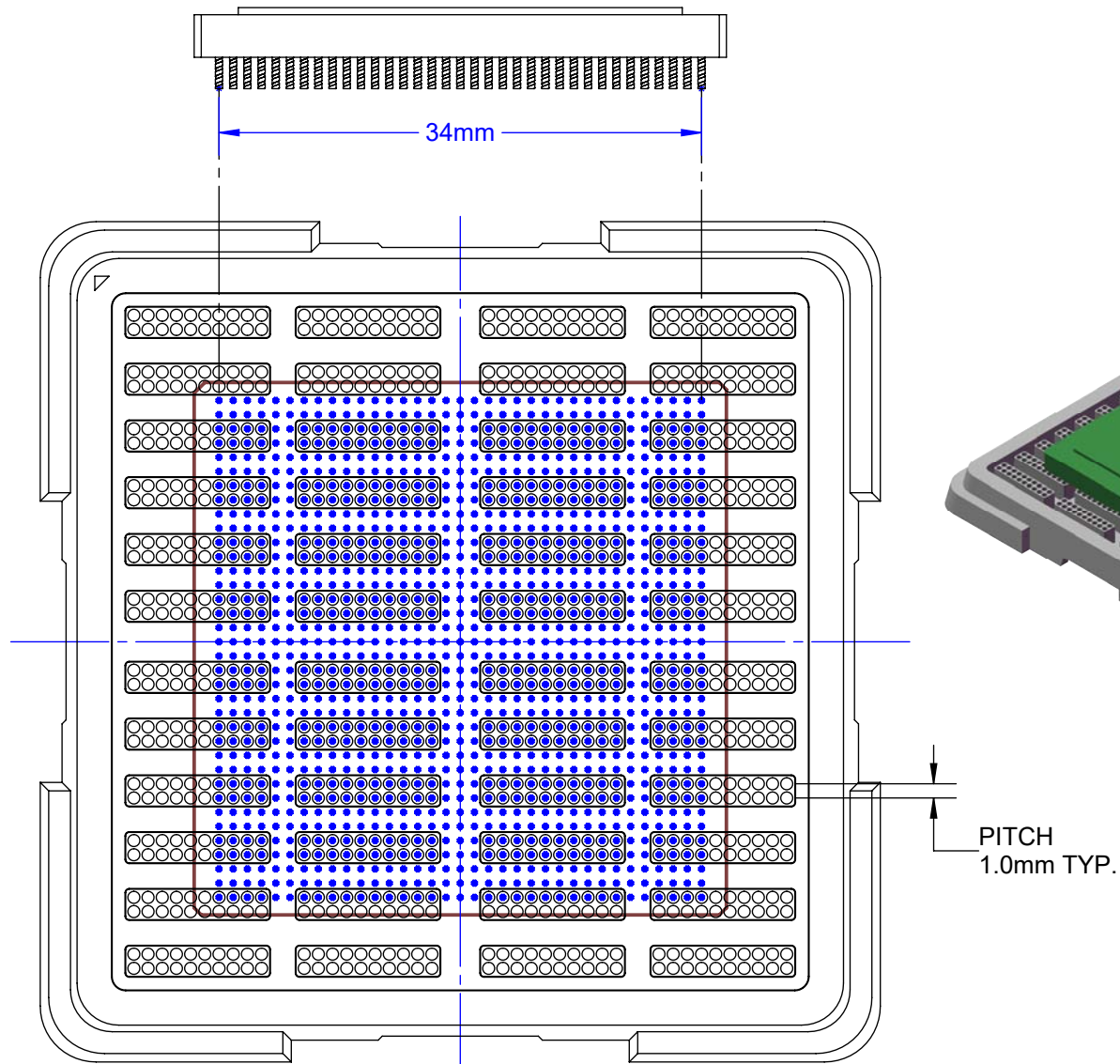
TITLE CCGA1221 TRAY BOX SET
BLACK CARRIER

SCALE 3:2	SIZE A	DRAWING NO. 931355	REV A
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DO NOT SCALE DRAWING

SHEET 4 OF 13

CCGA1221
COLUMNS 35x35
37.5 x37.5mm



TopLine®

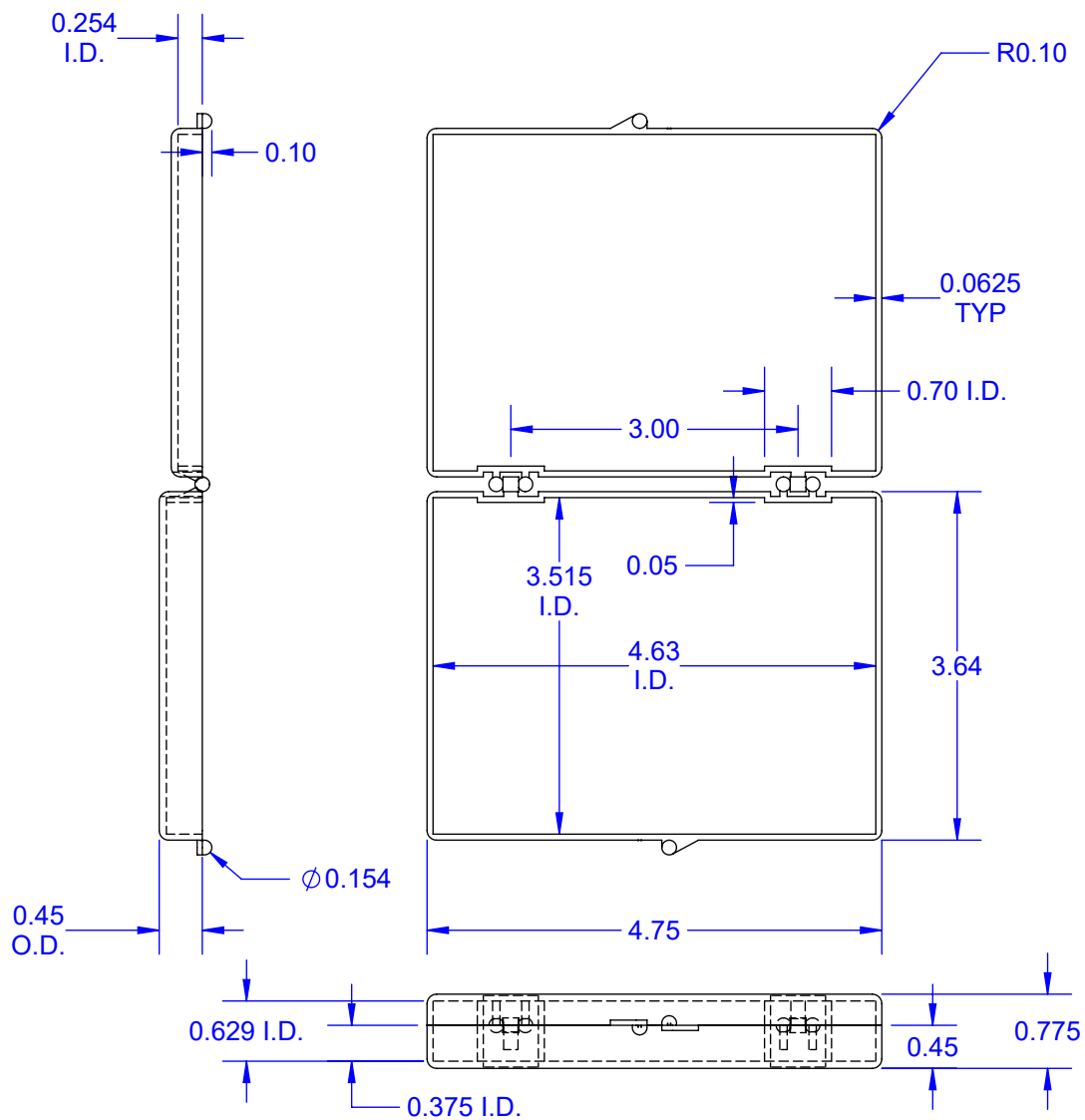
TITLE CCGA1221 TRAY BOX SET
BLACK CARRIER

SCALE 2:1	SIZE A	DRAWING NO. 931355	REV A
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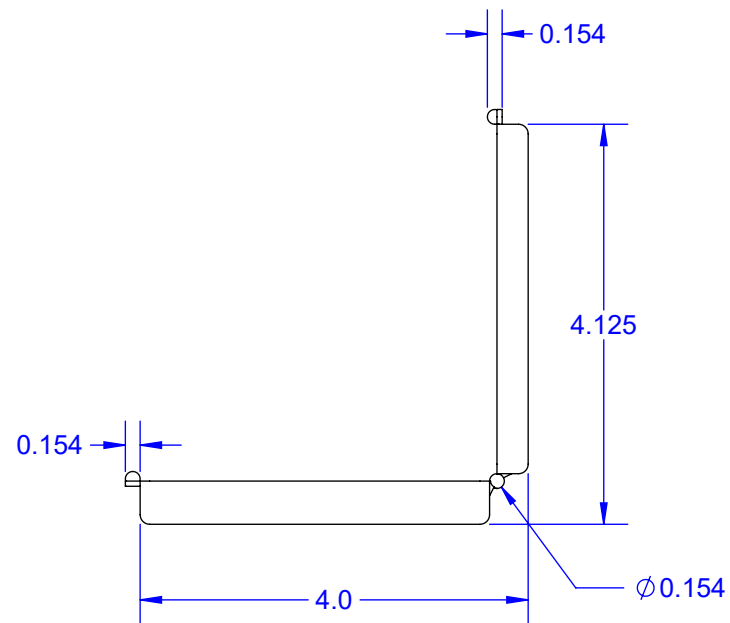
DO NOT SCALE DRAWING

SHEET 5 OF 13

TOP (OPEN)



SIDE VIEW (OPEN)

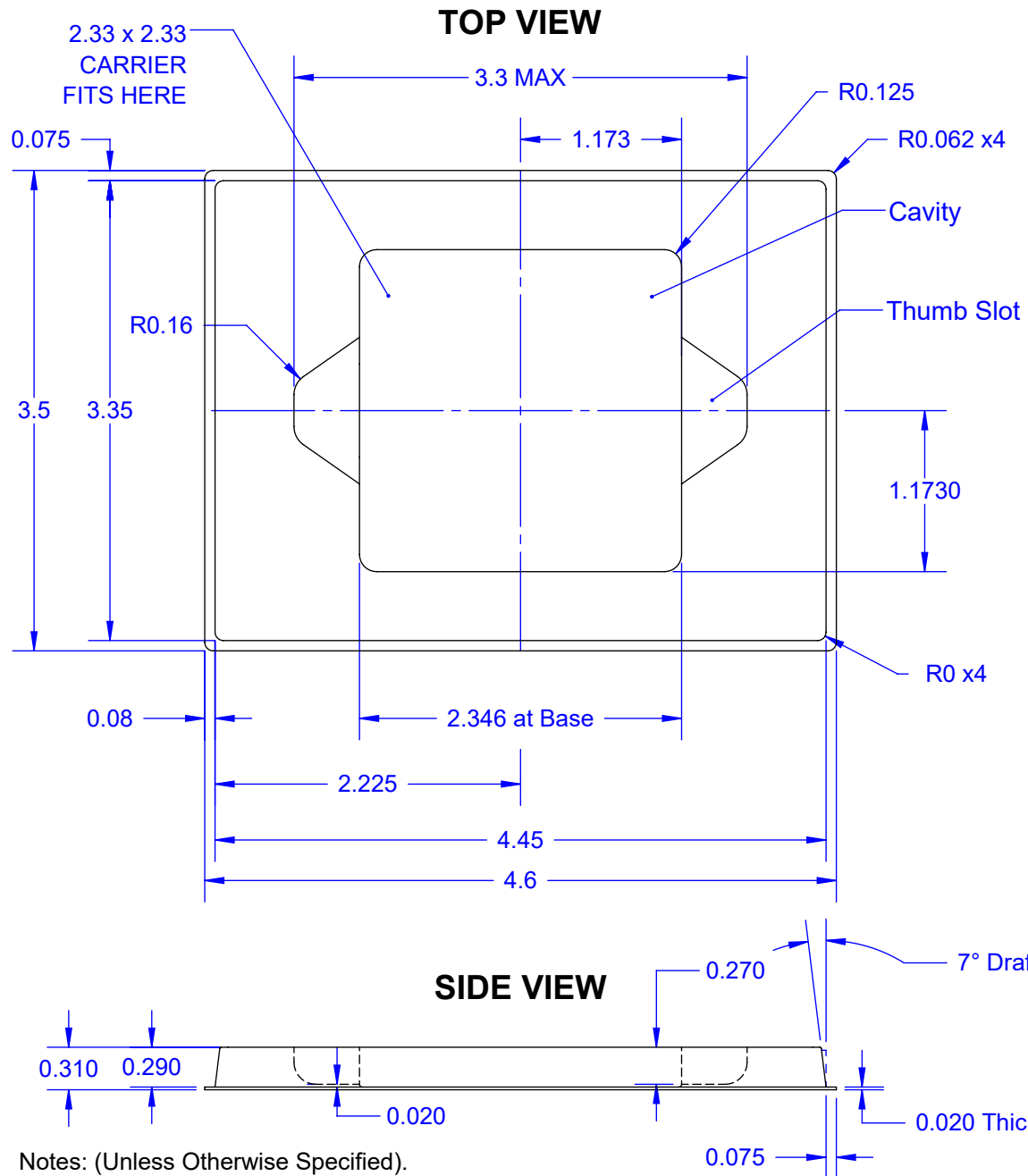


MODEL

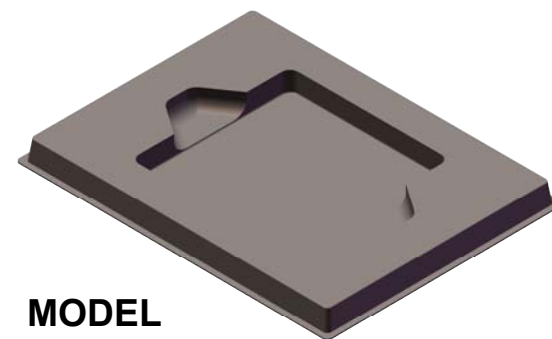
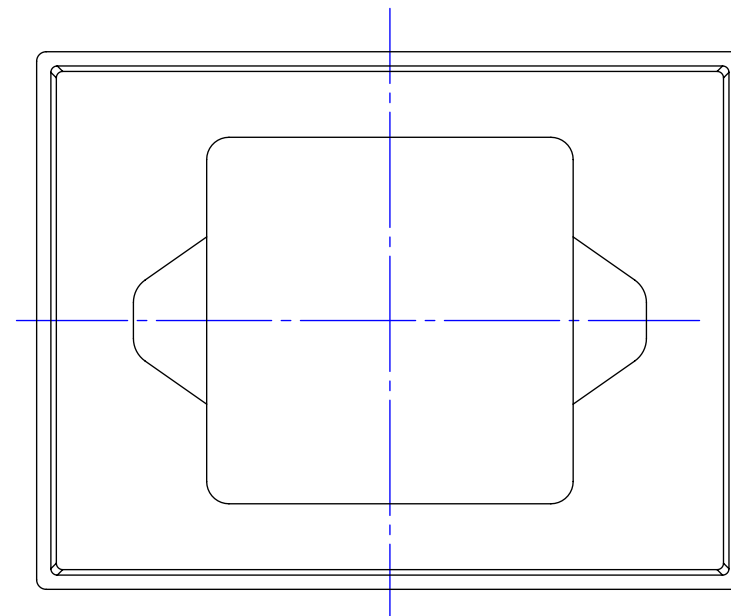
Notes: (Unless Otherwise Specified).

- 1) SURFACE RESISTIVITY: $10^4 \sim 10^5 \Omega$.
- 2) MATERIAL: CARBON FILLED POLYPROPYLENE.
- 3) DIMENSIONS IN INCHES.

			
TITLE EC1-15mm EMPTY HINGE BOX			
SCALE 1:2	SIZE A	DRAWING NO. 090625	REV A
DO NOT SCALE DRAWING			SHEET 6 OF 13



BOTTOM VIEW



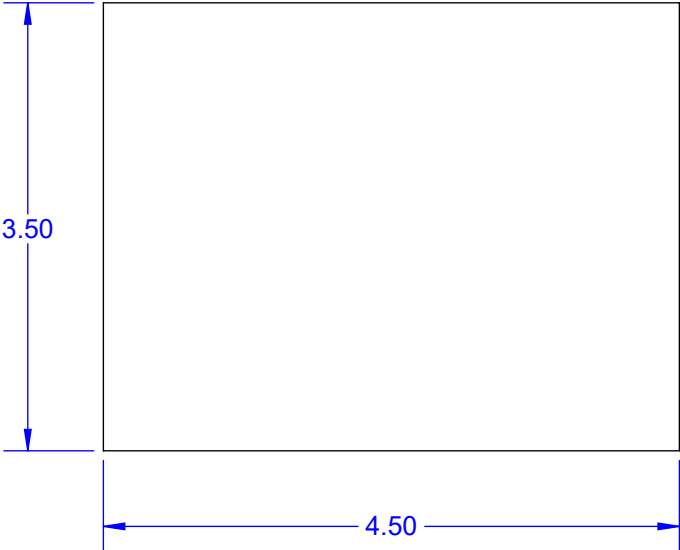
MODEL

Notes: (Unless Otherwise Specified).

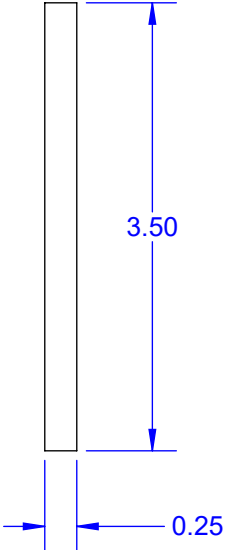
- 1) DIMENSIONS: INCHES.
- 2) MATERIAL: CONDUCTIVE STYRENE.
- 3) SURFACE RESISTIVITY < $10^4 \Omega$.

TopLine®			
TITLE CCGA TRAY INSERT FOR 4.625 x 3.5 HINGE BOX			
SCALE 2:2.5	SIZE A	DRAWING NO. 140110	REV A
DO NOT SCALE DRAWING			SHEET 7 OF 13

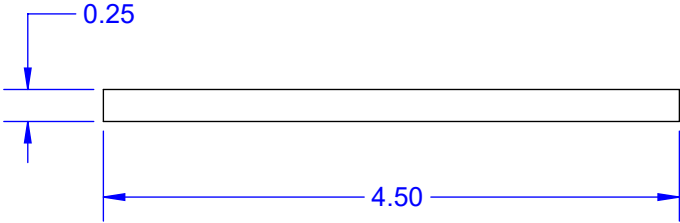
TOP



EDGE



SIDE

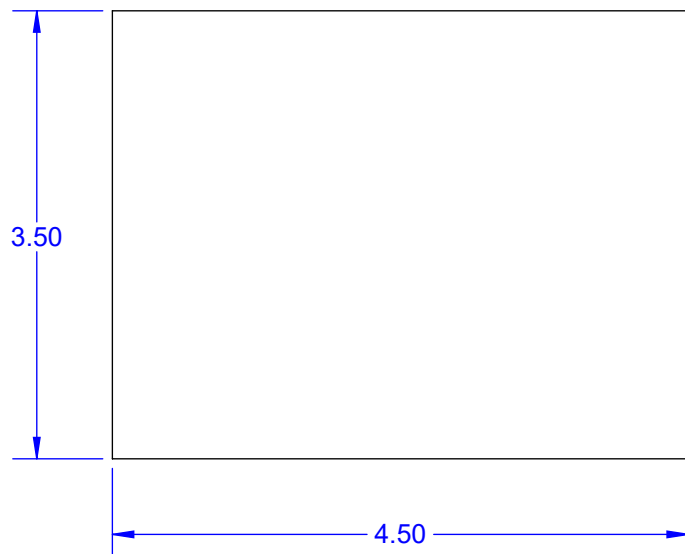


MODEL

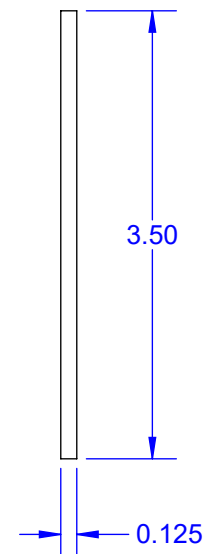
Notes: (Unless Otherwise Specified).
1) SURFACE RESISTIVITY: $10^5 \sim 10^6 \Omega$
3) DENSITY 1.7 PFC Min.
4) DIMENSIONS IN INCHES.

TopLine®			
TITLE EC1-FOAM-SOFT-.25-A LOW DENSITY FOAM			
SCALE 1:1.5	SIZE A	DRAWING NO. 090003	REV A
DO NOT SCALE DRAWING			SHEET 8 OF 13

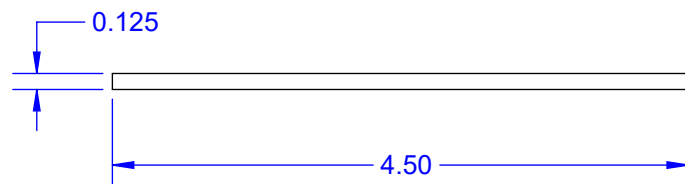
TOP



EDGE



SIDE



MODEL

Notes: (Unless Otherwise Specified).

- 1) SURFACE RESISTIVITY: $10^5 \sim 10^6 \Omega$
- 3) DENSITY 1.7 PFC Min.
- 4) DIMENSIONS IN INCHES.

TopLine®

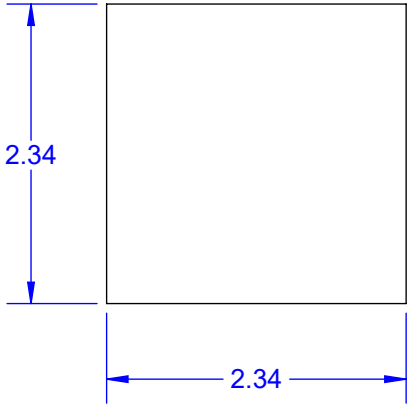
TITLE EC1-FOAM-SOFT-.125-A
LOW DENSITY FOAM

SCALE 1:1.5	SIZE A	DRAWING NO. 090006	REV A
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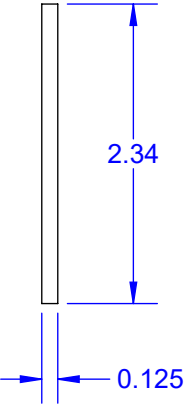
DO NOT SCALE DRAWING

SHEET 9 OF 13

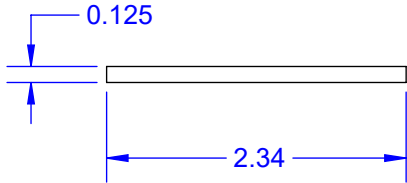
TOP



EDGE



SIDE

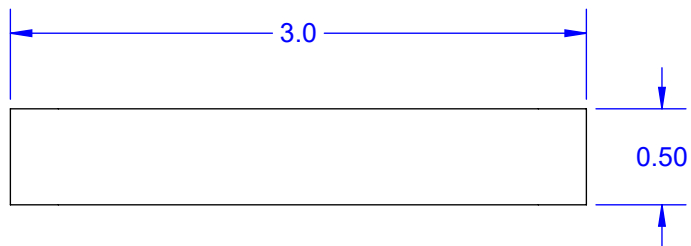


MODEL

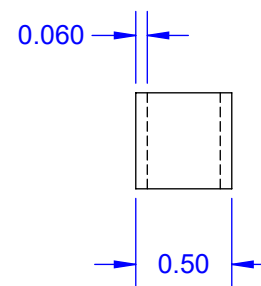
Notes: (Unless Otherwise Specified).
1) SURFACE RESISTIVITY: $10^5 \sim 10^6 \Omega$.
2) SOFT CONDUCTIVE FOAM.
3) DENSITY 1.7 PFC Min.

TopLine®			
TITLE LOW DENSITY FOAM FOAM-SOFT-2.34A			
SCALE 1:1.5	SIZE A	DRAWING NO. 090011	REV A
DO NOT SCALE DRAWING			SHEET 10 OF 13

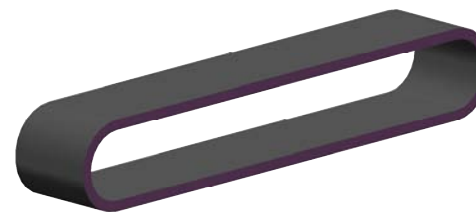
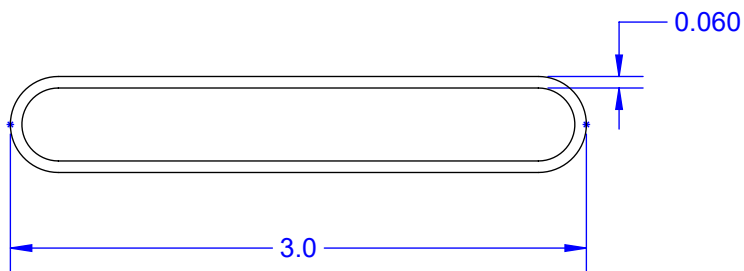
TOP



EDGE



SIDE



MODEL

Notes: (Unless Otherwise Specified).

1) SURFACE RESISTIVITY: $10^5 \sim 10^6$.

2) DIMENSIONS IN INCHES (RESTING POSITION).

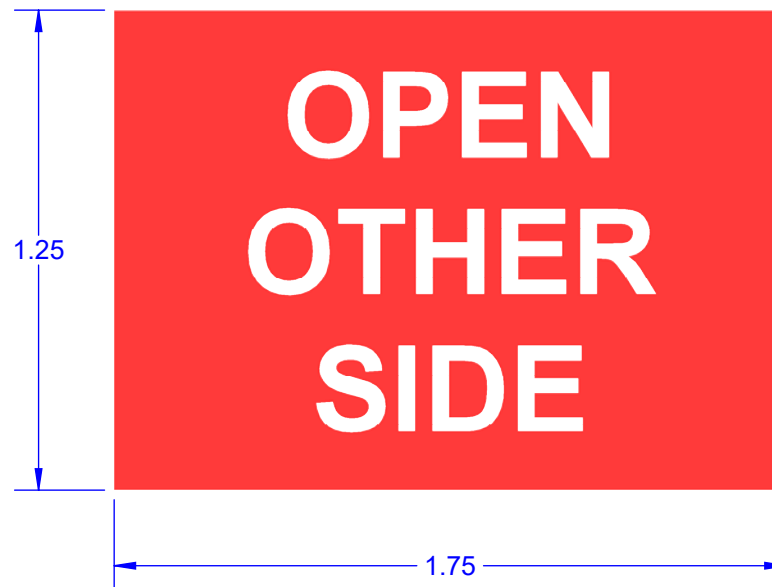
TopLine[®]

TITLE RUBBER BAND-3.0-C
BLACK CONDUCTIVE

SCALE 1:1	SIZE A	DRAWING NO. 090005	REV A
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DO NOT SCALE DRAWING

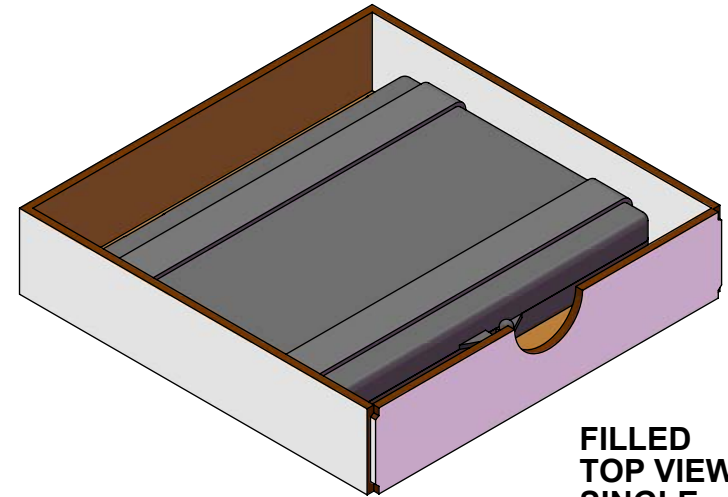
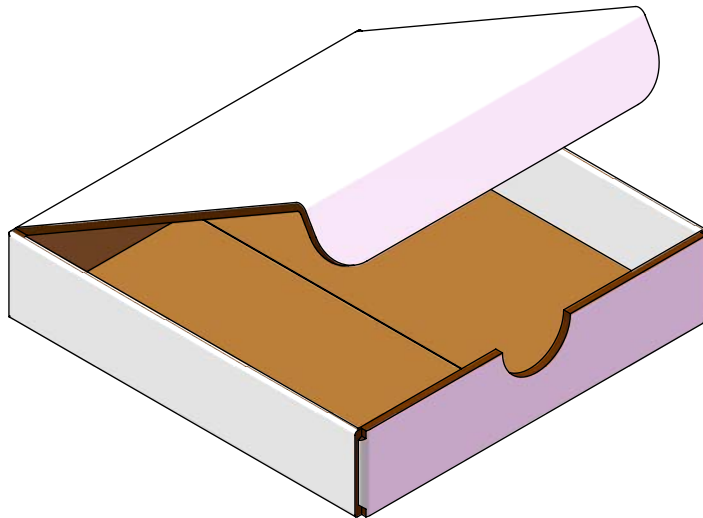
SHEET 11 OF 13



Notes: (Unless Otherwise Specified).

1. DIMENSIONS INCHES.
2. MATERIAL: PAPER LABEL WITH ADHESIVE.
3. COLOR: RED.
4. PURPOSE: IDENTIFY BOTTOM OF HINGE BOX.

TopLine®			
TITLE LABEL FOR BOTTOM OF HINGE BOX			
SCALE 2:1	SIZE A	DRAWING NO. 090009	REV A
DO NOT SCALE DRAWING			SHEET 12 OF 13



**FILLED
TOP VIEW
SINGLE**

Notes: (Unless Otherwise Specified).

1. DIMENSIONS INCHES.
2. MEASUREMENT INCLUDES RUBBER BANDS.
3. BOX SIZE SUBJECT TO CHANGE.

TopLine®

TITLE CCGA TRAY BOX CARRIER
CARTON

SCALE 1:2	SIZE A	DRAWING NO. 900001	REV A
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DO NOT SCALE DRAWING

SHEET 13 OF 13