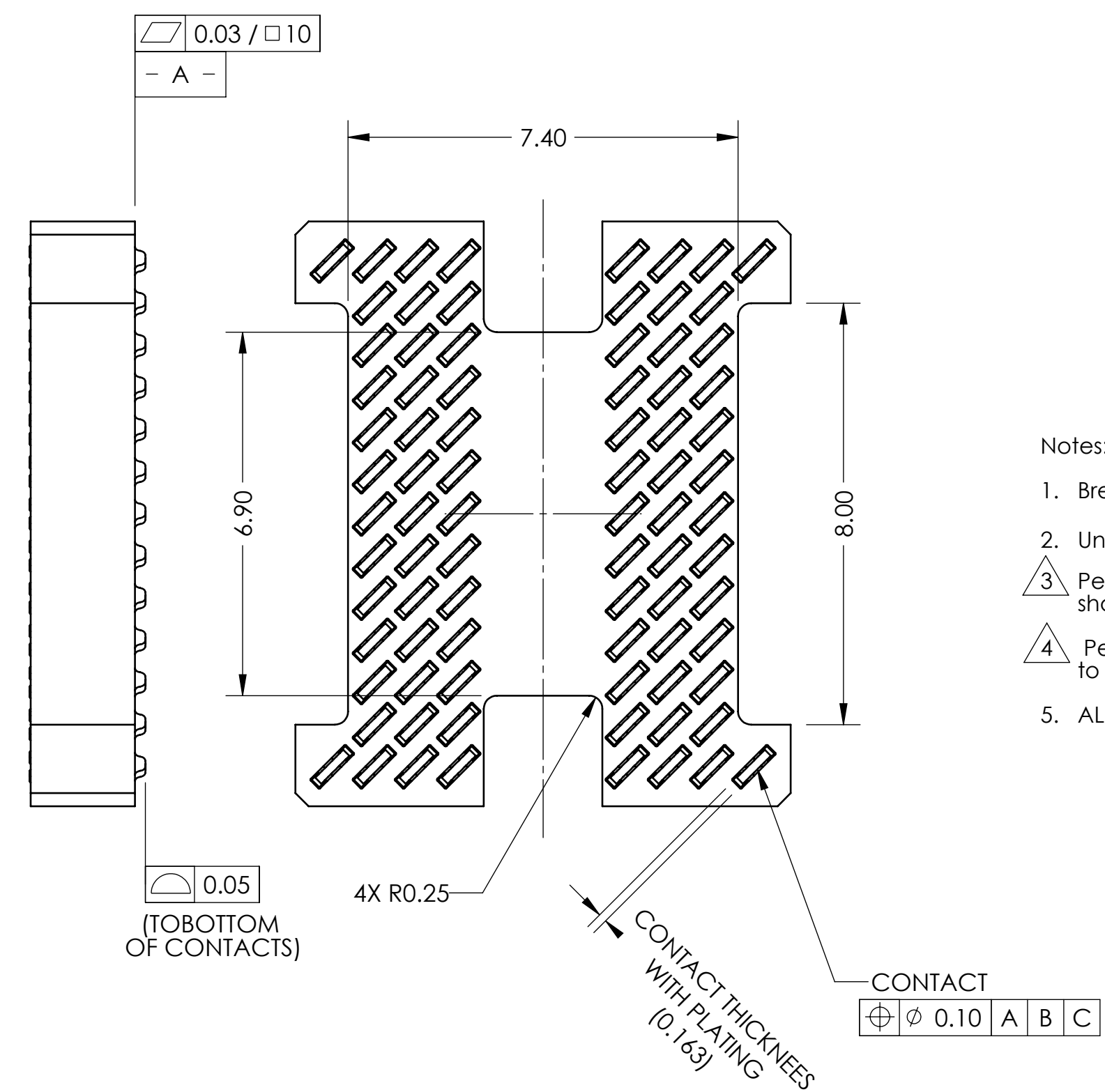
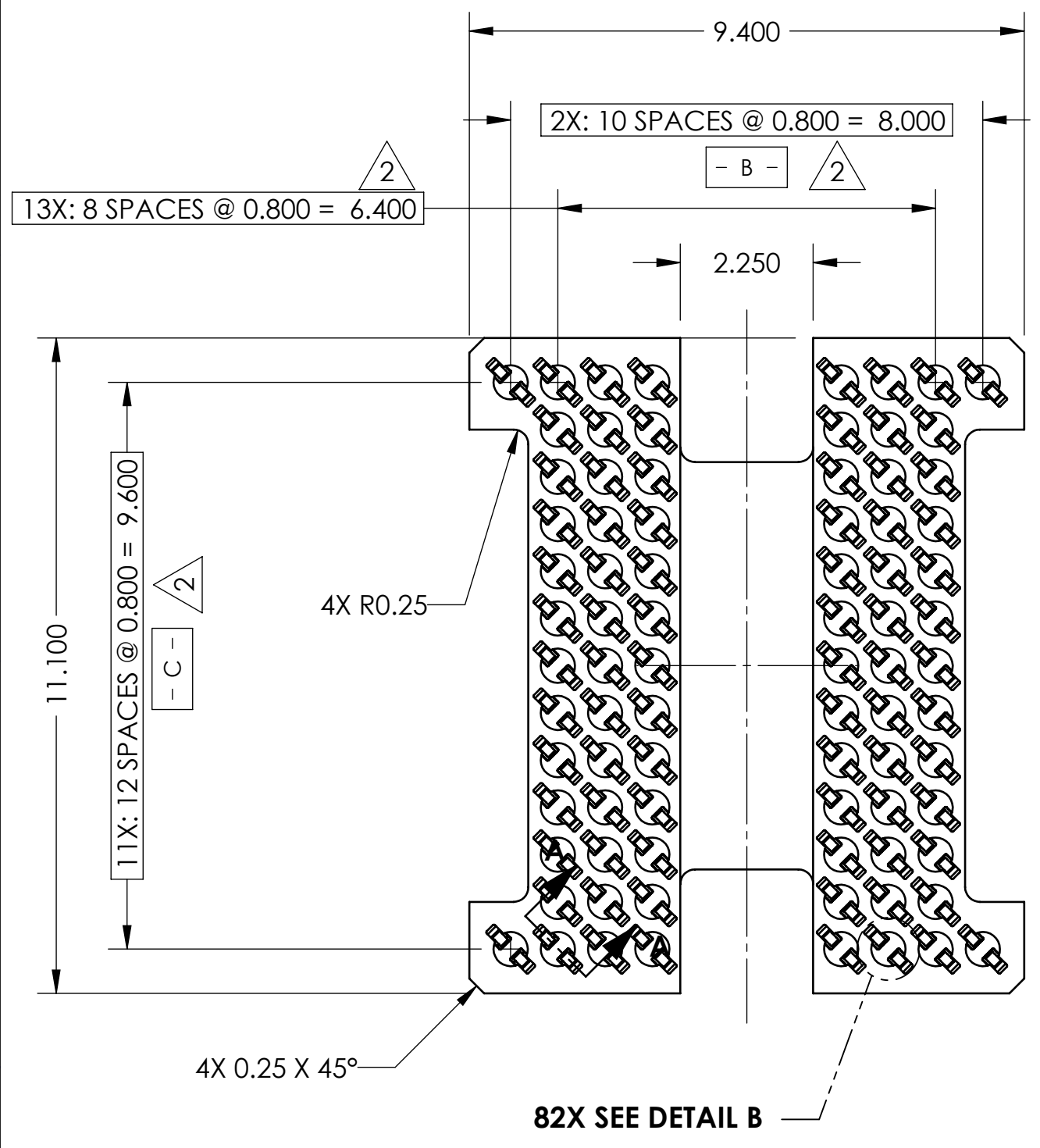
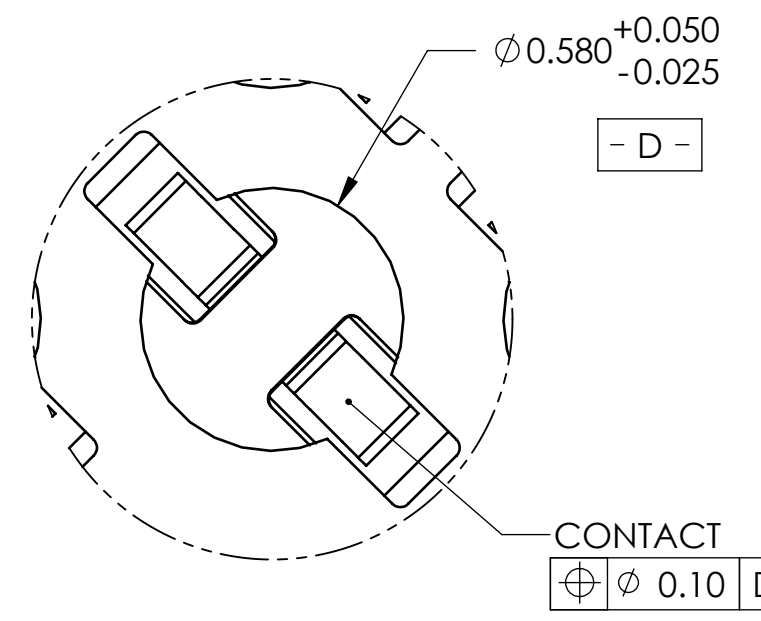
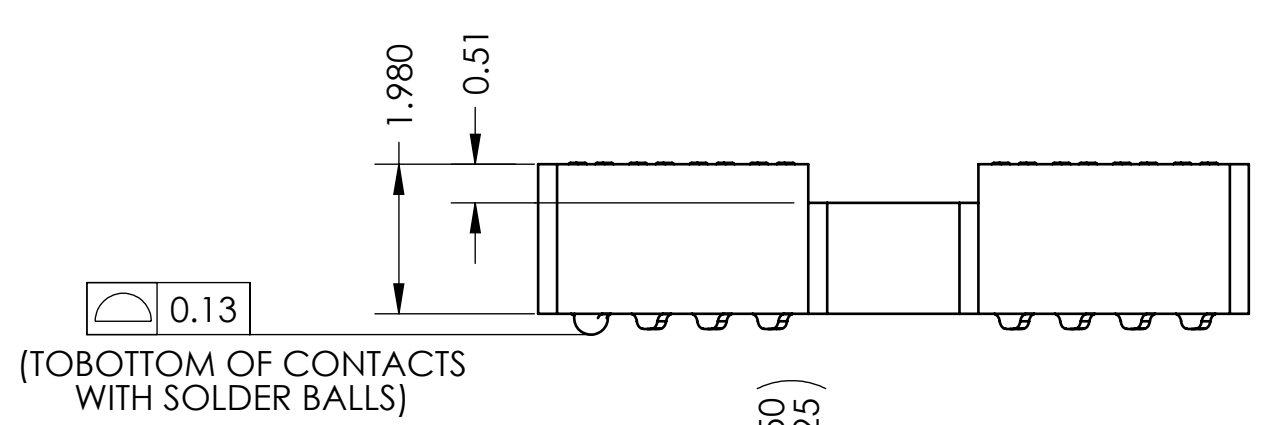


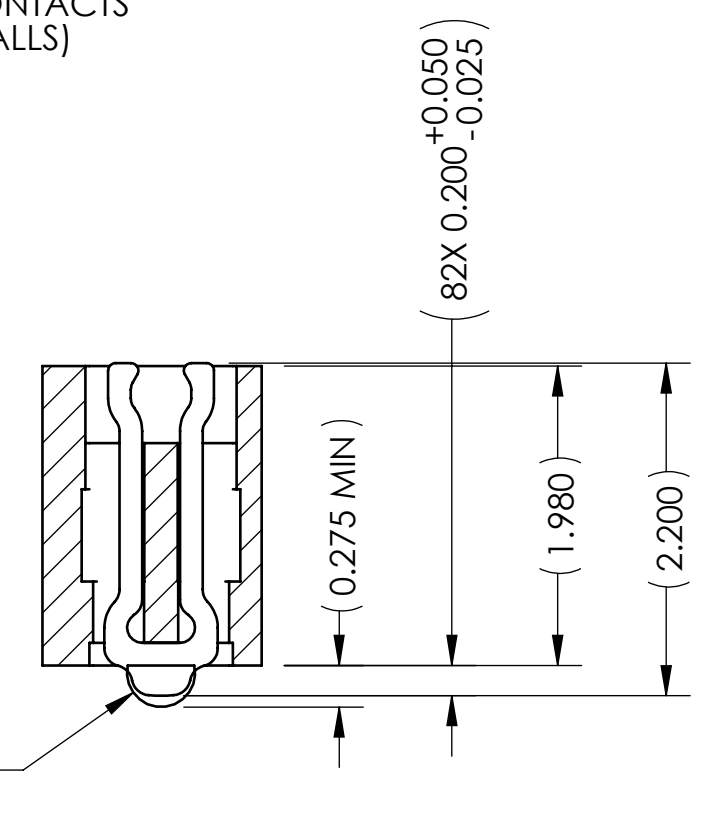
REV	ECO	BY	DESCRIPTION	APV	DATE
A	31754	PAR	INITIAL DESIGN	NSJ	04/06/16



- Notes:
1. Break edges 0.05-0.15.
  2. Unless otherwise noted, all features located
  3. Permanently mark part number and rev. level in area shown. Characters to be 1.5 high.
  4. Permanently mark company Logo in area shown. Characters to be 4.0 high.
  5. ALL SOLDER BALLS ARE NOT SHOWN TO MINIMIZE FILE SIZE.



PARTS LIST	
Part Number	Description
105526-0092	SOCKET, 82GRY9.4X11.1-0.80
105528-0056	CS, 82GRY9.4X11.1-0.80
103864-0088	PRESS, DEV INS, 9.4X11.1 (SOLD SEP.)



**SECTION A-A**  
SCALE 4:1

**DETAIL B 82X**  
SCALE 5:1

**HSIO technologies**  
PROPRIETARY AND CONFIDENTIAL

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UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
ANGULAR: ± 1°  
X.X ± 0.25  
X.XX ± 0.10  
X.XXX ± 0.050

INTERPRET GEOMETRIC TOLERANCING PER:  
MATERIAL SEE BOM  
FINISH  
DO NOT SCALE DRAWING

NAME	DATE
DRAWN PAR	04/06/16
CHECKED NSJ	04/06/16

LEGEND:  
 △ NOTE CALLOUT  
 □ REVISION CHANGE  
 ○ ITEM NUMBER

**HSIO TECHNOLOGIES, LLC.**  
13400 68th AVENUE NORTH  
MAPLE GROVE, MINNESOTA 55311  
763-447-6260

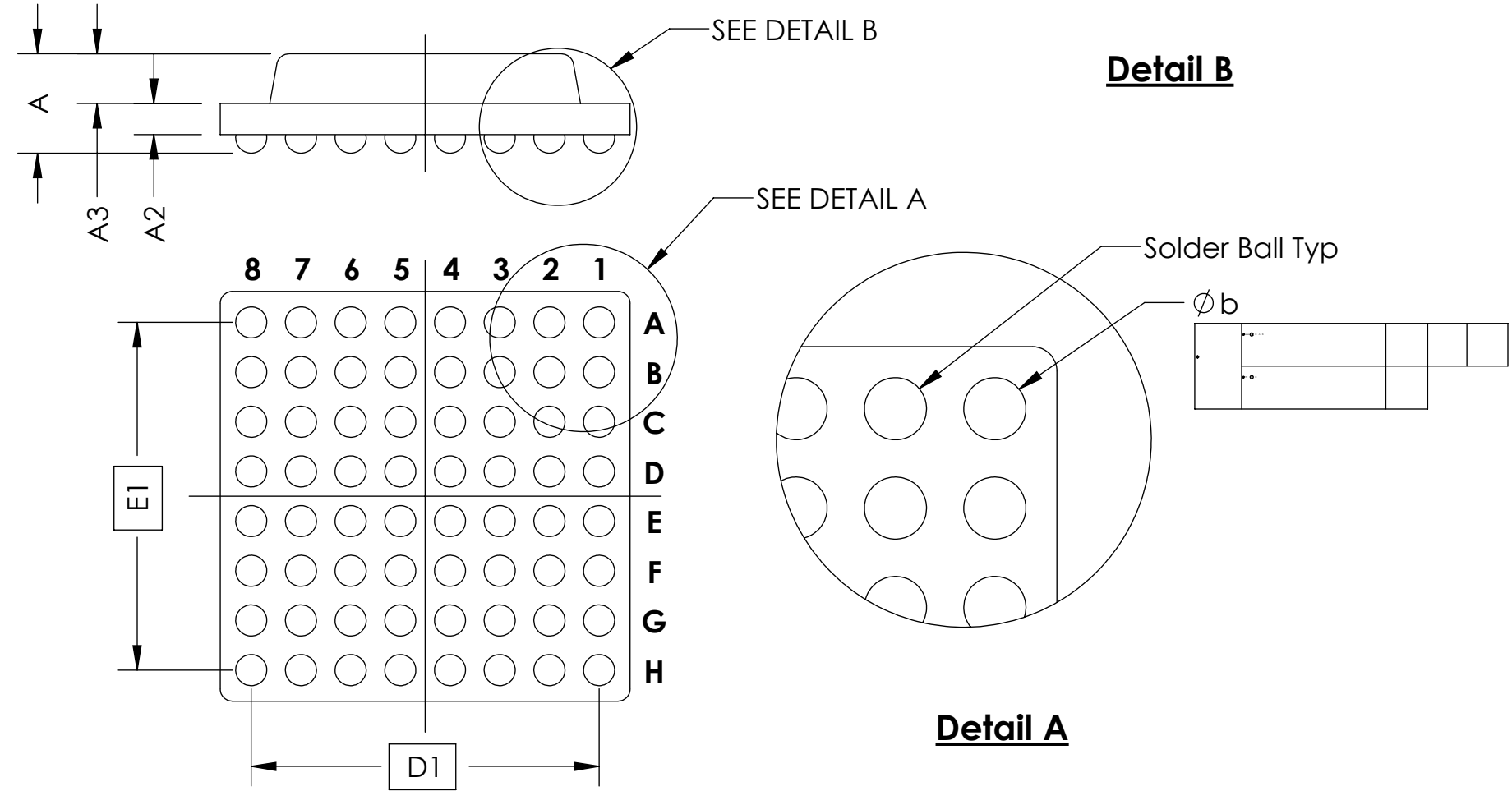
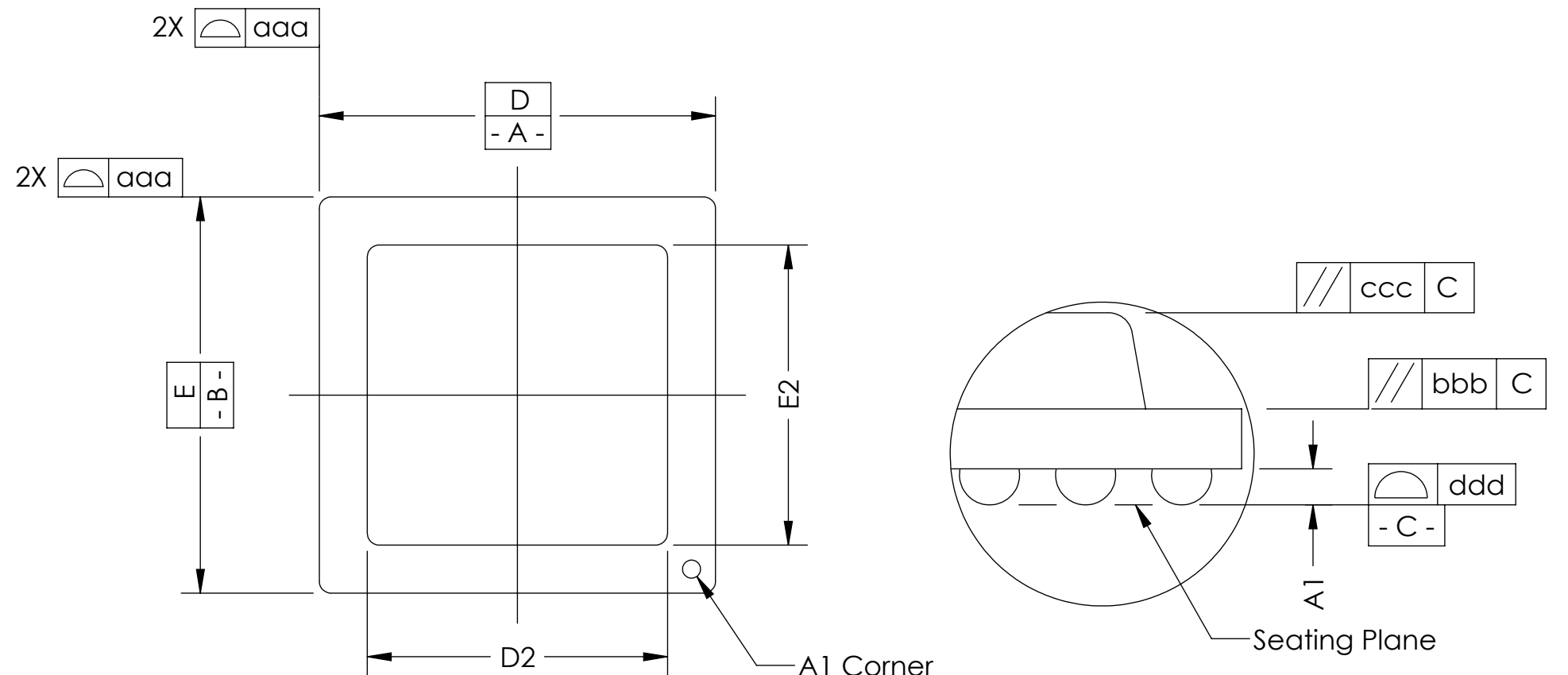
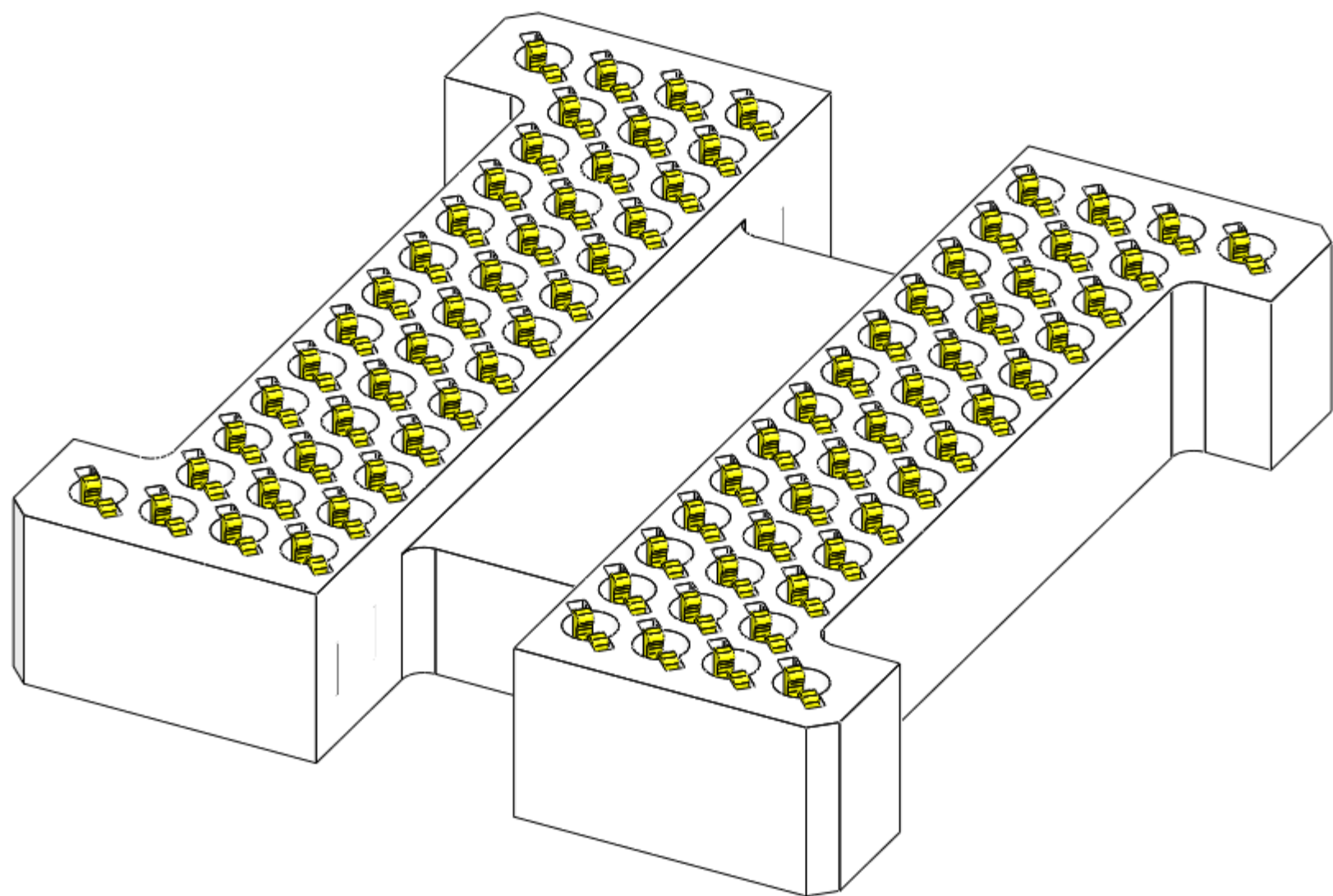
TITLE:  
SCKT, 82GRY 9.4 X 11.1-0.80 (EUTECTIC)

DWG. NO. 105526-0092  
REV A

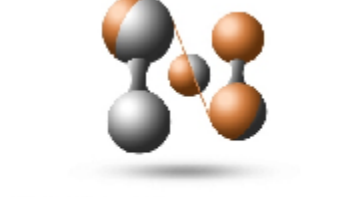
SCALE: 10:1 SIZE: C SHEET 1 OF 2

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	<b>N</b>	82	Package Size	<b>D</b>	9.40
Columns	<b>ND</b>	11	Ball Spacing	<b>E</b>	11.10
Rows	<b>NE</b>	13		<b>D1</b>	8.00
Pitch	<b>e</b>	0.80	Encapsulant/ Top Size	<b>E1</b>	9.60
Ball Size	<b>b</b>	0.45±0.05		<b>D2</b>	n/a
Total Thickness	<b>A</b>	N/A	Pattern Style	<b>E2</b>	n/a
Ball Height	<b>A1</b>	0.275 Min		Irregular*	
Substrate Thickness	<b>A2</b>	N/A	Perimeter Rows		n/a
Top Thickness	<b>A3</b>		Center Array		n/a
Form Tolerances					
Edge	<b>aaa</b>	0.20	Bottom	<b>ddd</b>	0.15
Substrate	<b>bbb</b>	0.20	Position	<b>eee</b>	0.20
Top	<b>ccc</b>	0.20	Position	<b>fff</b>	0.08

ALL DIMENSIONS ARE IN MILLIMETERS.  
\*SEE FOOTPRINT SPECIFICATION FOR PATTERN DETAILS.



**Generic Representation with Full Grid Array**

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	INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED	NSJ	04/06/16		TITLE: SCKT, 82GRY 9.4 X 11.1-080 (EUTECTIC)
	MATERIAL	SEE BOM	LEGEND: △ NOTE CALLOUT □ REVISION CHANGE ○ ITEM NUMBER			DWG. NO. <b>105526-0092</b>
	FINISH		DO NOT SCALE DRAWING			REV <b>A</b>
					SCALE: 10:1   SIZE: C   SHEET 2 OF 2	