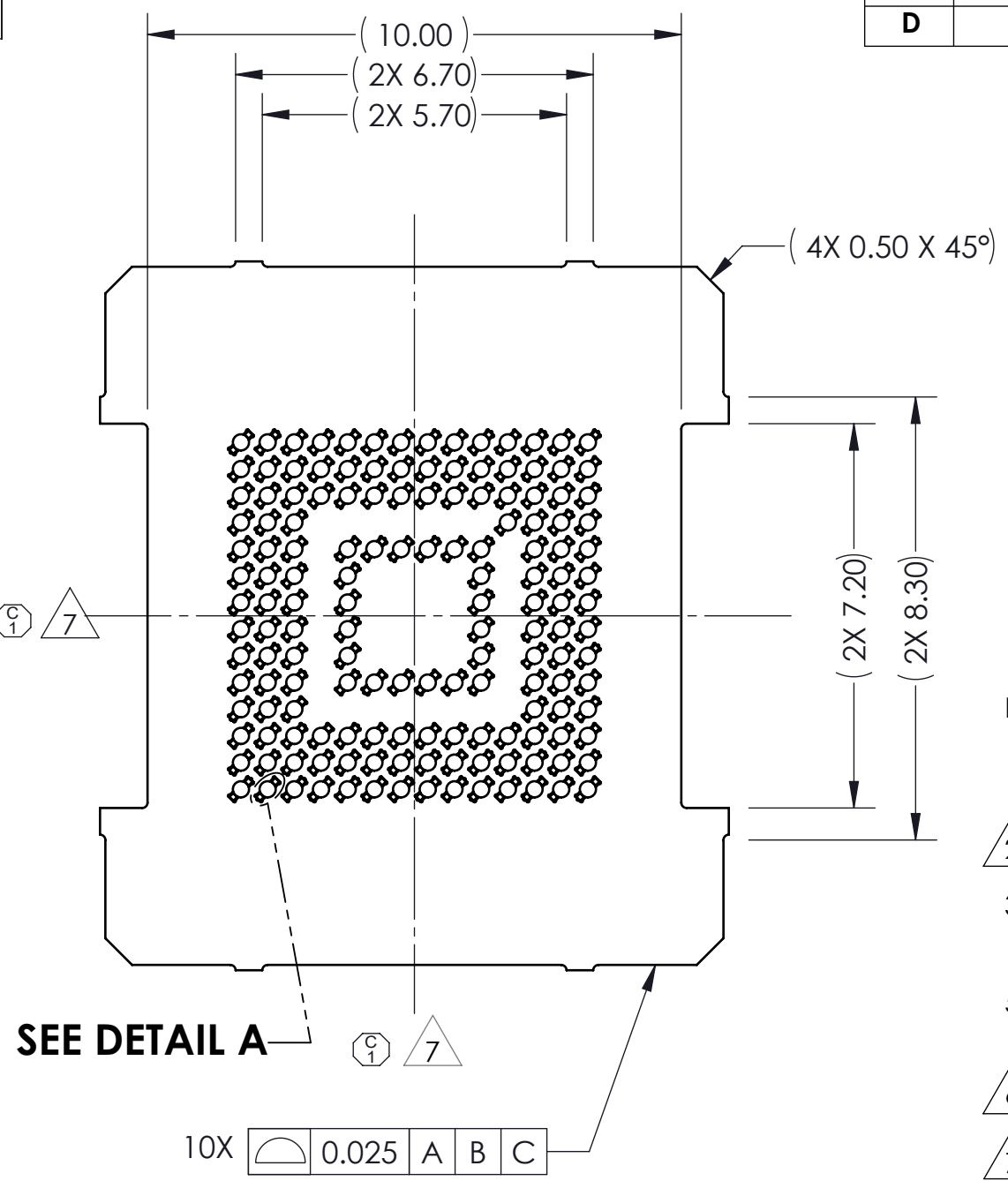
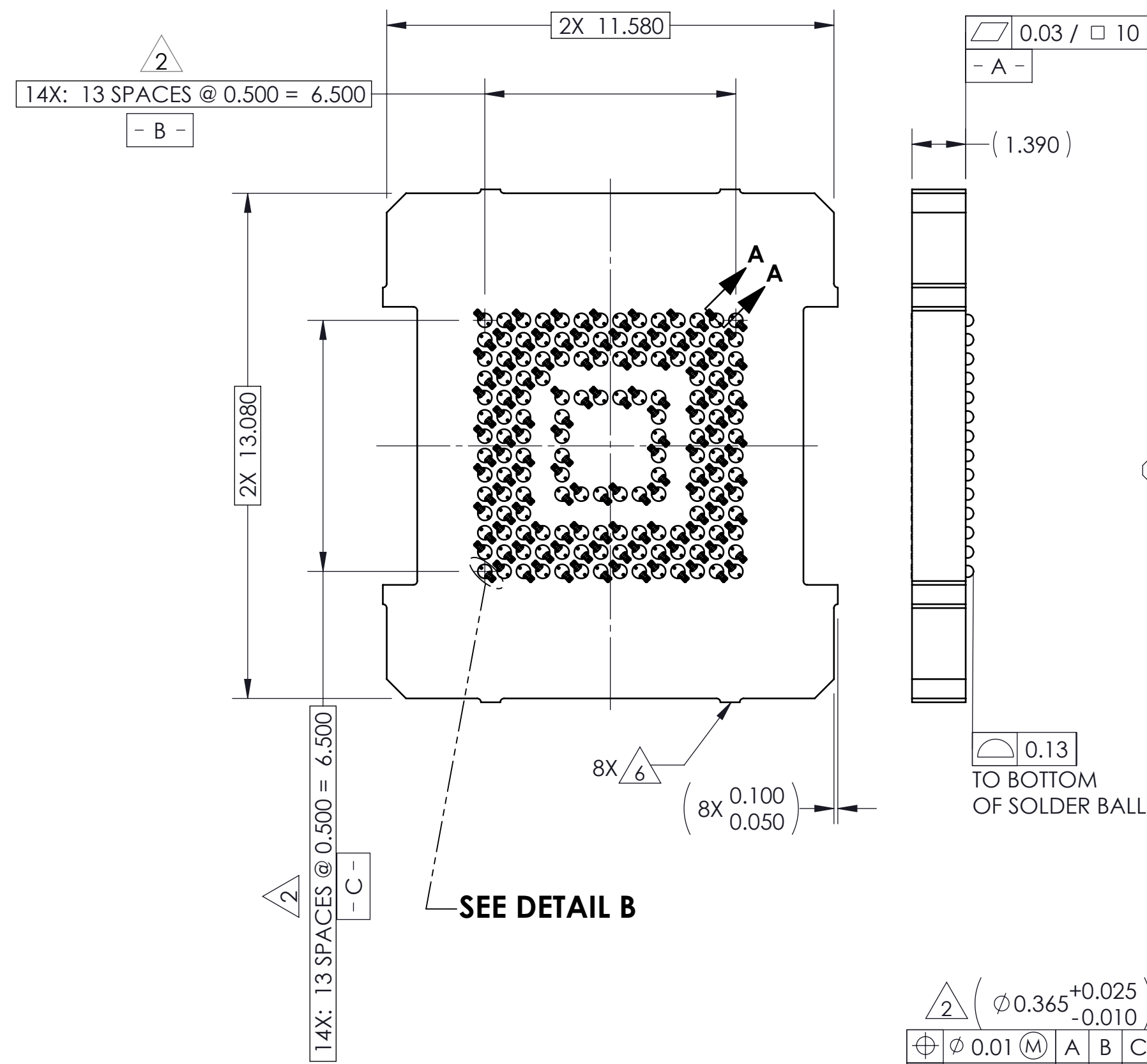
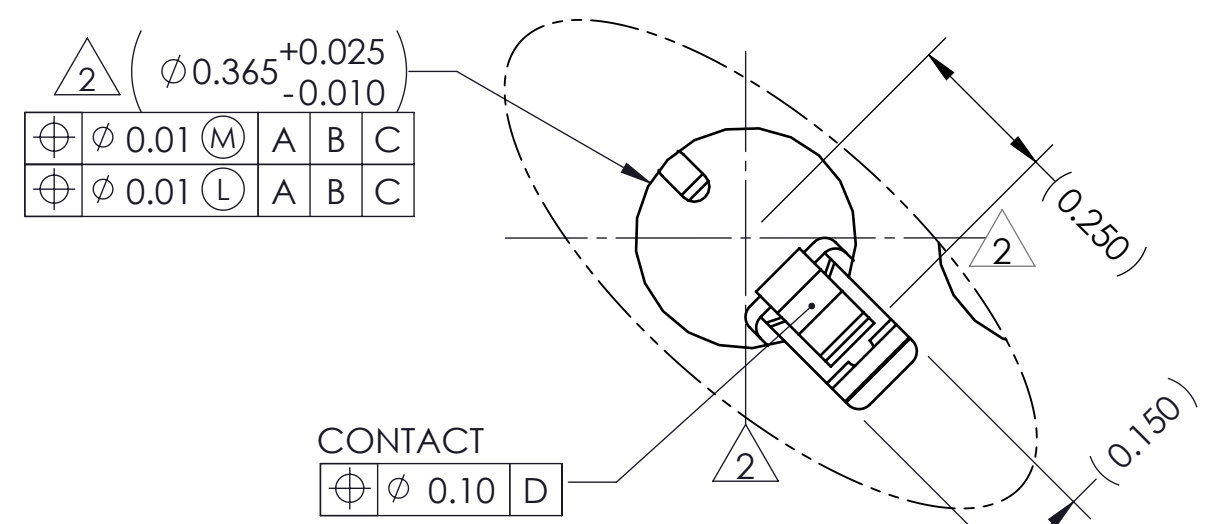
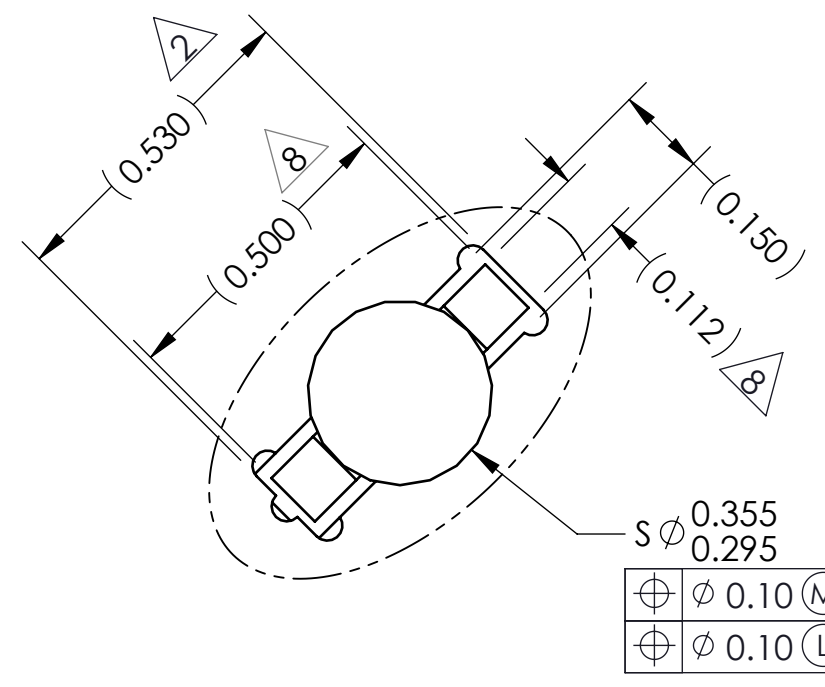
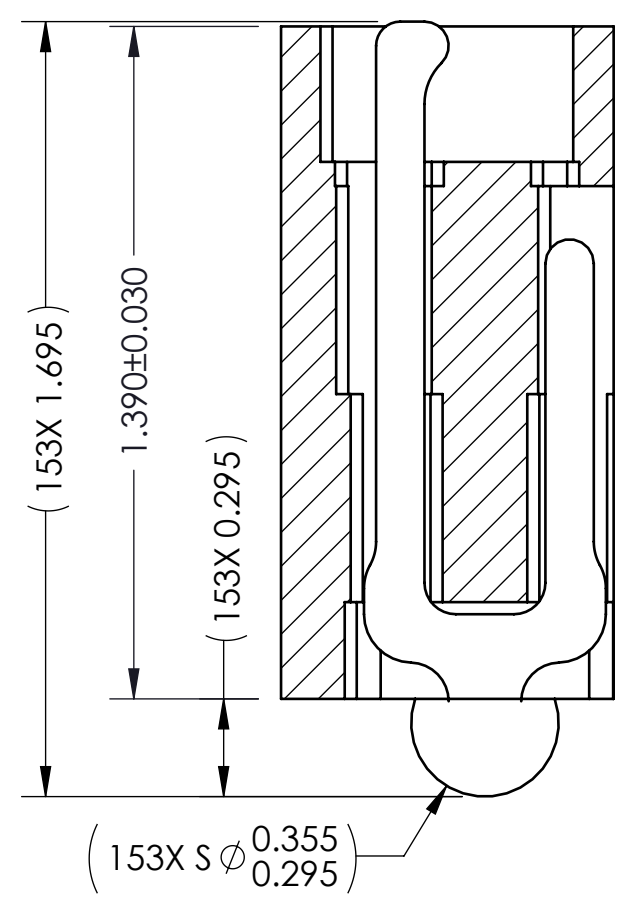


REV	ECO	BY	DESCRIPTION	APV	DATE
A	30879	JN	Initial Design	KW	08/30/11
B	31043	SK	Updated border	KW	03/07/12
C	31118	WB	Note 7. Center of ball pattern. was Center of contact pattern. 1) Changed Back view notes: 7 was 1 2) Added title to Parts List table	KW	06/25/12
D	FT	DJP	REMOVED NOTE 4.	RS	11/22/21



- Notes:
- Reference Ironwood Electronics, Inc specification 103862-0004 for solder attachment.
  - Dimension locates center of contact/ slot.
  - Reference Ironwood Electronics, Inc Solutions specification 103863-0001 for application notes.
  - Datums - B - and - C - are determined by  $\phi 0.365$  features on corner slots.
  - Tooling marks permitted. Maximum 0.10 protrusion (shown).
  - E - Center of ball pattern.
  - F - Center of contact.



Parts List	
Part Number	Description
107249-0026	CS, 153G40 11.5X13-0.50
103864-0128	PRESS, DEVICE INSERT, GRYP 11.5 X 13 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)
104553-0220	STEN FLEX, 153G4011.5X13-0.50 (SOLD SEPARATELY)
108639-0003	ALIGNMENT FRAME, G40, 11.5 X 13.0 (SOLD SEPARATELY)

**SECTION A-A**  
SCALE 8:1

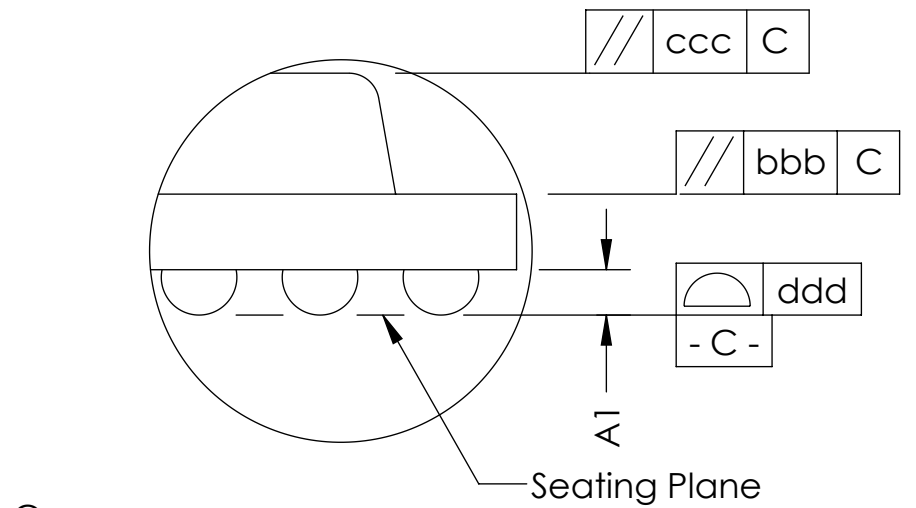
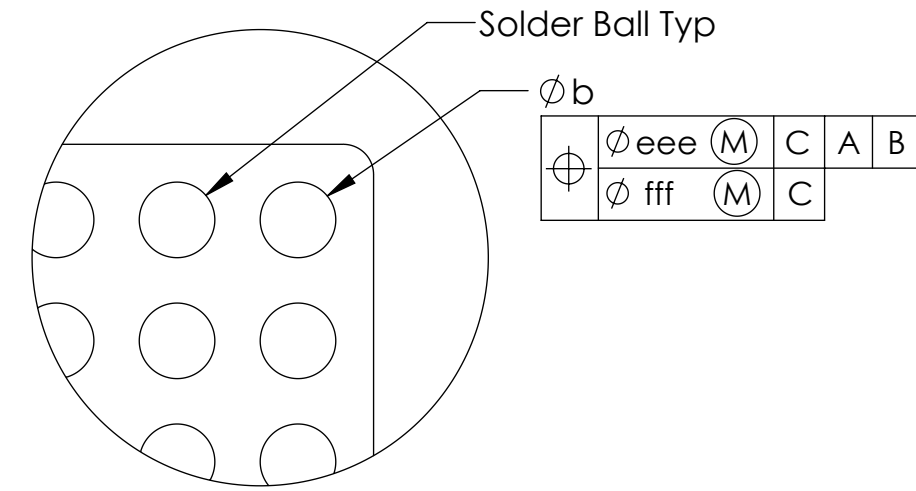
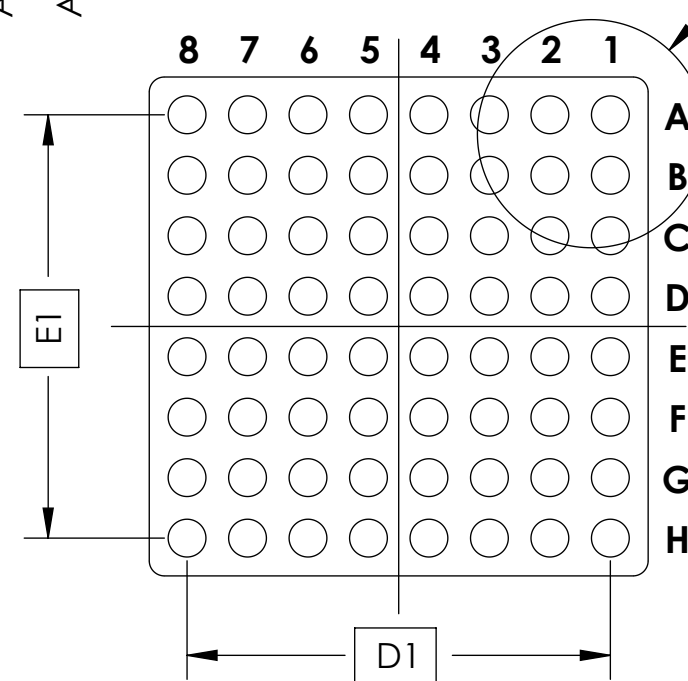
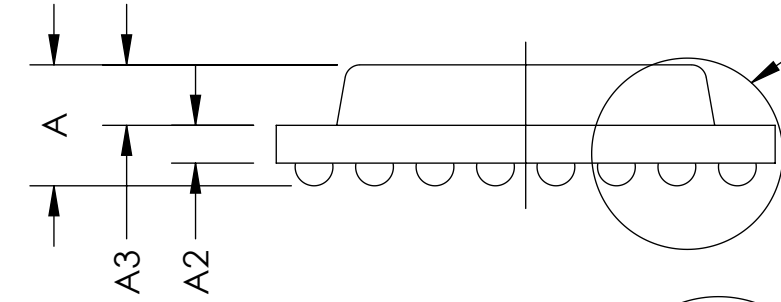
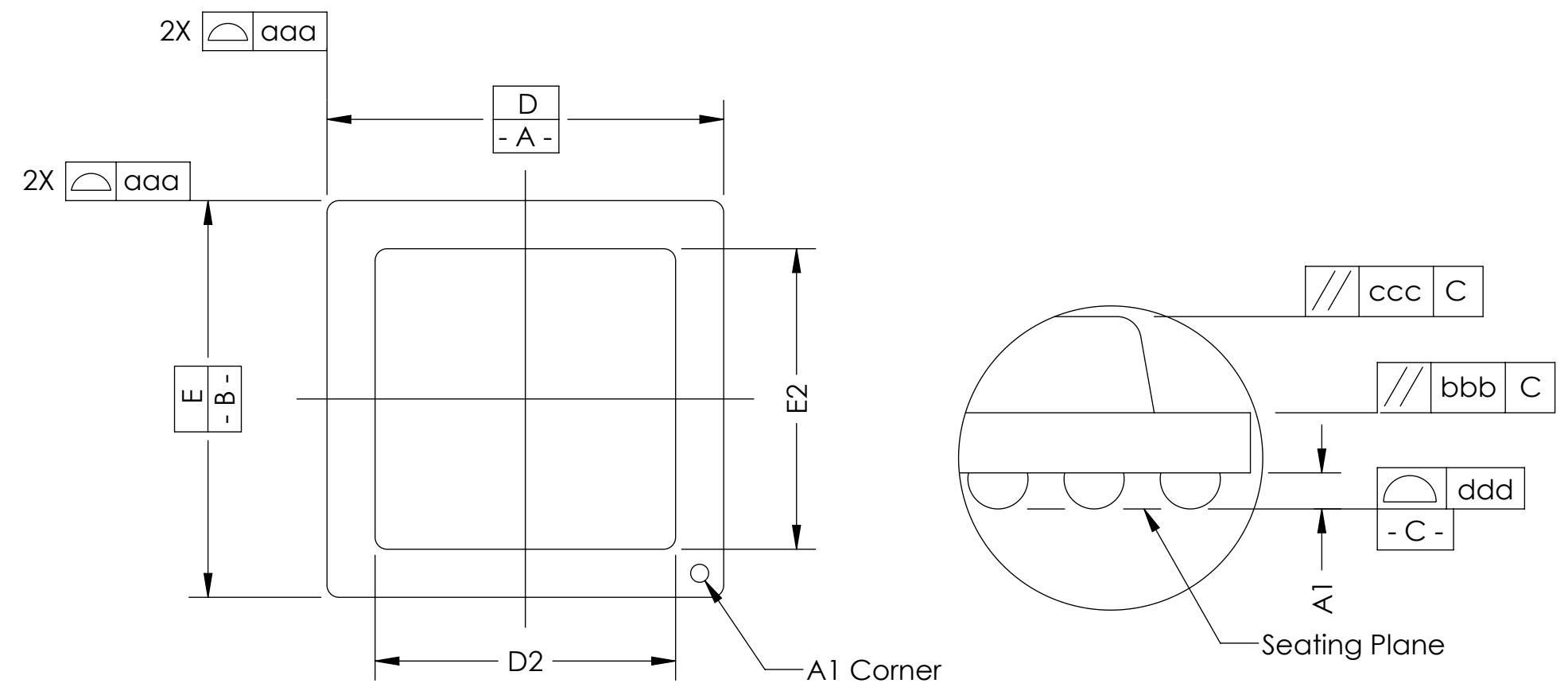
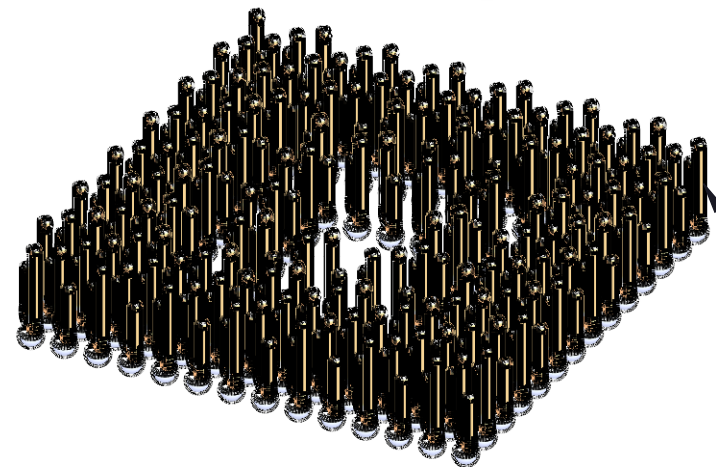
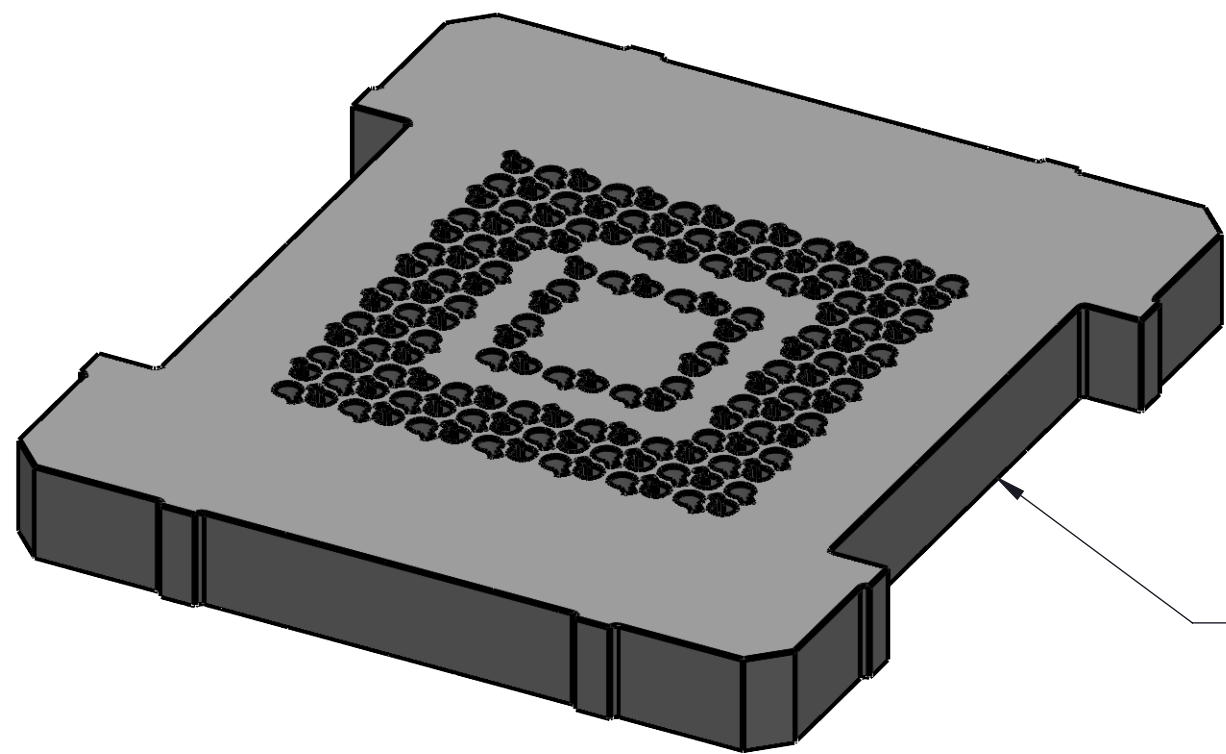
**DETAIL A (153X)**  
SCALE 10:1

**DETAIL B (153X)**  
SCALE 10:1

<p><b>PROPRIETARY AND CONFIDENTIAL</b></p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF IRONWOOD ELECTRONICS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IRONWOOD ELECTRONICS, INC IS PROHIBITED.</p>	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR: ± 1° X.X ± 0.25 X.XX ± 0.10 X.XXX ± 0.050	NAME J. Nied	DATE 11/28/2019	<p><b>IRONWOOD ELECTRONICS, INC.</b> 1335 EAGANDALE COURT EAGAN, MINNESOTA 55121 952-229-8200</p> <p>TITLE: SCKT, 153G4011.5X13-0.50 W/ SOLDER BALL-SAC305</p>	
	INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED K. Wilson	08/30/11		
	MATERIAL SEE BOM	LEGEND: △ NOTE CALLOUT □ REVISION CHANGE ○ ITEM NUMBER			
	FINISH DO NOT SCALE DRAWING	DWG. NO. <b>107250-0026</b>			
REV <b>D</b>			SCALE: 10:1	SIZE: C	SHEET 1 OF 2

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	<b>N</b>	153	Package Size	<b>D</b>	11.50
Columns	<b>ND</b>	14		<b>E</b>	13.00
Rows	<b>NE</b>	14	Ball Spacing	<b>D1</b>	6.500
Pitch	<b>e</b>	0.50		<b>E1</b>	6.500
Ball Size	<b>b</b>	0.30±0.05	Encapsulant/ Top Size	<b>D2</b>	n/a
Total Thickness	<b>A</b>	n/a		<b>E2</b>	n/a
Ball Height	<b>A1</b>	0.225 min.	Pattern Style	IRREGULAR*	
Substrate Thickness	<b>A2</b>	n/a	Perimeter Rows	3	
Top Thickness	<b>A3</b>		Center Array	n/a	
Form Tolerances					
Edge	<b>aaa</b>	0.10	Bottom	<b>ddd</b>	0.08
Substrate	<b>bbb</b>	0.10	Position	<b>eee</b>	0.15
top	<b>ccc</b>	0.10	Position	<b>fff</b>	0.05

All dimensions are in millimeters.  
\* See footprint for pattern details.



**Generic Representation with Full Grid Array**

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<b>IRONWOOD ELECTRONICS, INC.</b> 1335 EAGANDALE COURT EAGAN, MINNESOTA 55121 952-229-8200
DIMENSIONS ARE IN MILLIMETERS	J. Nied	11/28/2019	
TOLERANCES:	CHECKED	08/30/11	TITLE: SCKT, 153G4011.5X13-0.50 W/SOLDER BALLS-SAC305
ANGULAR: ± 1°	K. Wilson		
X.X ±0.25			DWG. NO. <b>107250-0026</b>
X.XX ±0.10			
X.XXX ±0.050			REV <b>D</b>
LEGEND:			SCALE: 5:1
△ NOTE CALLOUT			SIZE: C
◇ REVISION CHANGE	SHEET 2 OF 2		
○ ITEM NUMBER			