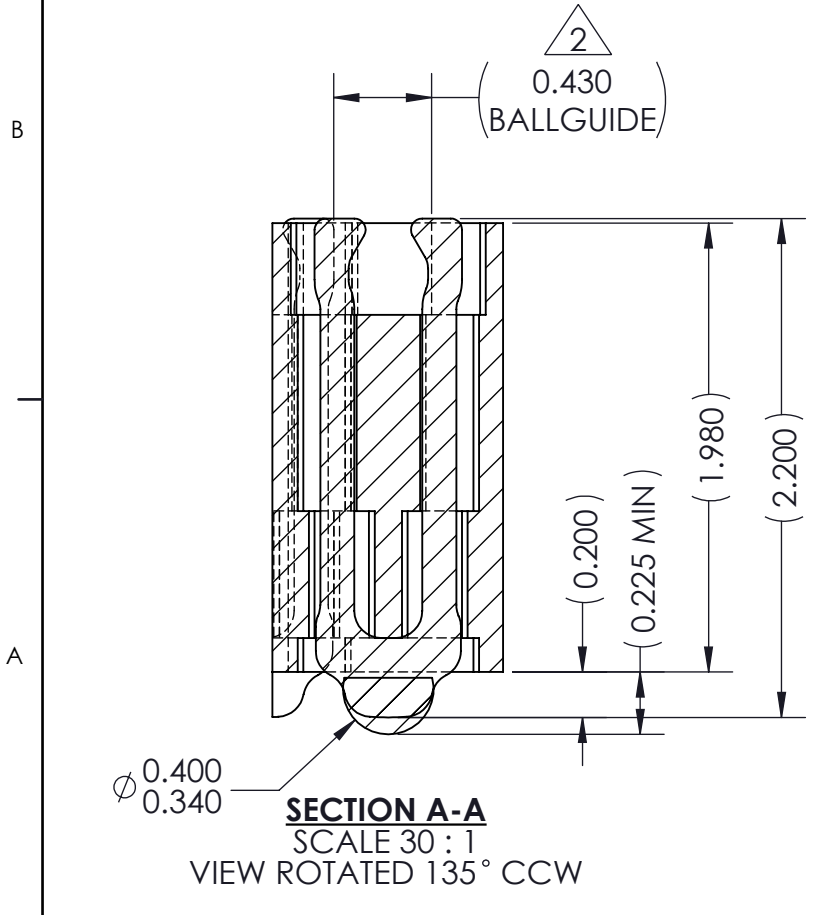
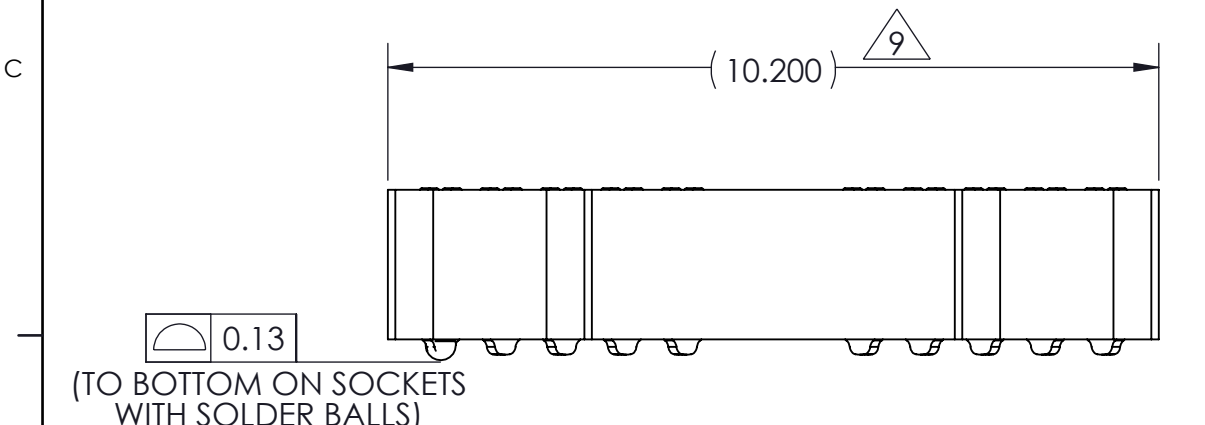
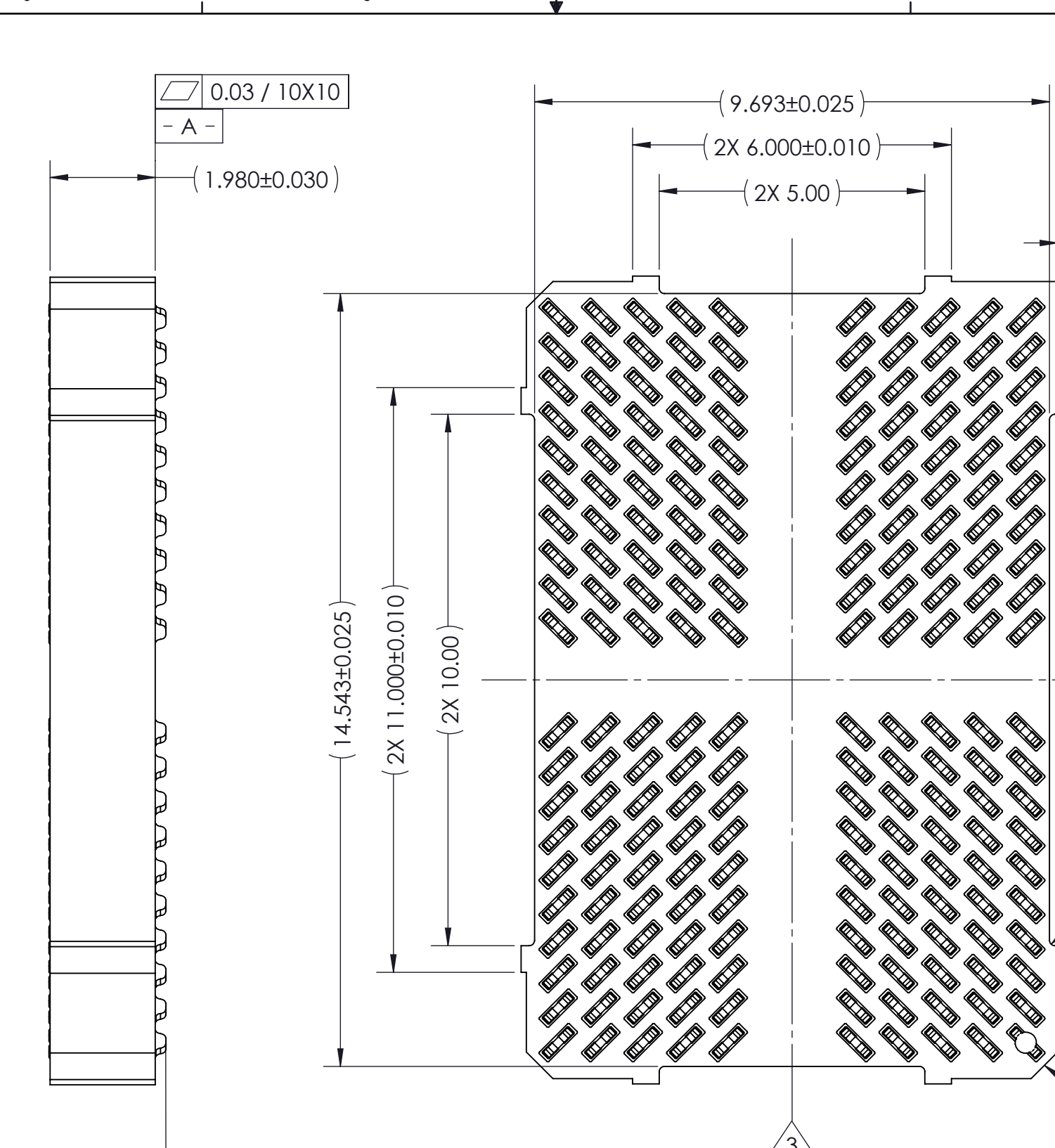
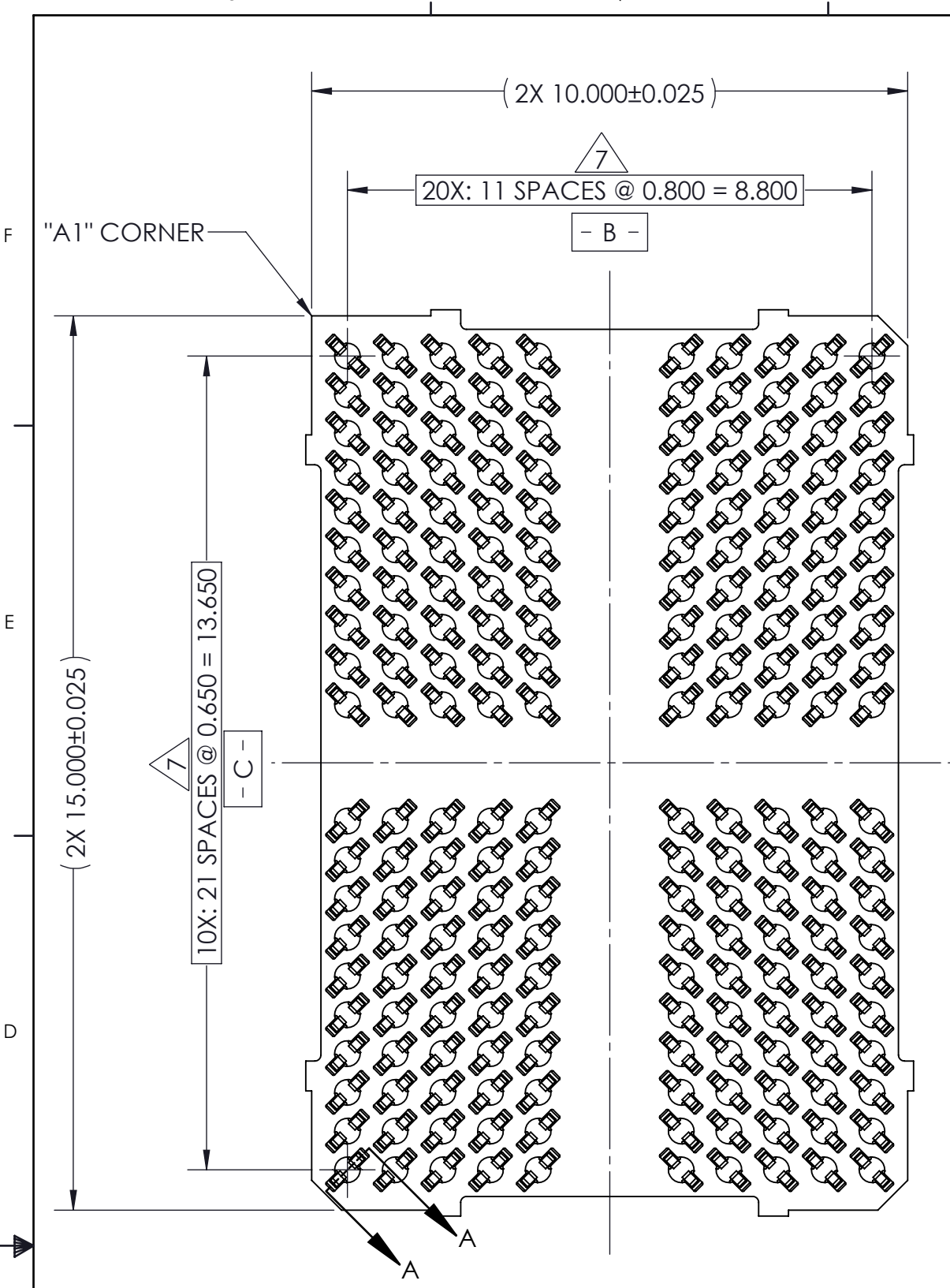


REV	ECO	BY	DESCRIPTION	APV	DATE
A	31609	RS	INITIAL DESIGN	NSJ	03/02/15
B	31712	RS	ADDED "A1" INDICATOR	NSJ	11/12/15
C	31838	RS	BALL SIZE IN TABLE ON PAGE 2 WAS 0.300 ± 0.050	NSJ	12/01/16
D	31856	RS	ADDED ALIGNMENT FRAME 108639-0089	NSJ	02/21/17



(TO BOTTOM OF CONTACT ON SOCKETS WITHOUT SOLDER BALLS)

NOTES:

- UNLESS OTHERWISE NOTED, ALL FEATURES LOCATED $\oplus 0.10$ A B C
- DATUM'S - B - AND - C - ARE DETERMINED BY $\phi 0.430$ FEATURES ON CORNER SLOTS.
- CENTER OF CONTACT/SOLDER BALL PATTERN.
- REFERENCE HSIO TECHNOLOGIES SPECIFICATION 700001-0001 FOR SOLDER ATTACHMENT.
- REFERENCE HSIO TECHNOLOGIES SPECIFICATION 700001-0002 FOR APPLICATION NOTES.
- DIMENSION LOCATES CENTER OF CONTACT/SLOT.
- TOOLING MARKS PERMITTED. MAXIMUM 0.10 PROTRUSION SHOWN.
- DIMENSION INCLUDES 0.10 PROTRUSION.
- NOT ALL SOLDER BALLS SHOWN TO MINIMIZE FILE SIZE.

PART NUMBER	DESCRIPTION
111004-0001	SCKT, 200GRY 10X15-0.80X0.65 (EUTECTIC SOLDER BALL)
111004-0002	SCKT, 200GRY 10X15-0.80X0.65 (SAC305 SOLDER BALL)
111004-0003	SCKT, 200GRY 10X15-0.80X0.65 (WITHOUT SOLDER BALL)
108639-0048	ALIGNMENT FRAME, 10.0 X 15.0 (SOLD SEPARATELY)
108639-0089	ALIGNMENT FRAME, 10.0 X 14.5 (SOLD SEPARATELY)
103864-0025	PRESS DEVICE INSERT, 10.0 X 15.0 (SOLD SEPARATELY)
104553-0380	STENCIL, FLEX, 200GRY 10X15-0.80X0.65 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)

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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 B.O.M
 FINISH:
 DO NOT SCALE DRAWING

NAME	DATE
DRAWN: RS	03/02/15
CHECKED: NSJ	03/02/15

LEGEND:
 △ NOTE CALLOUT
 □ REVISION CHANGE
 ○ ITEM NUMBER

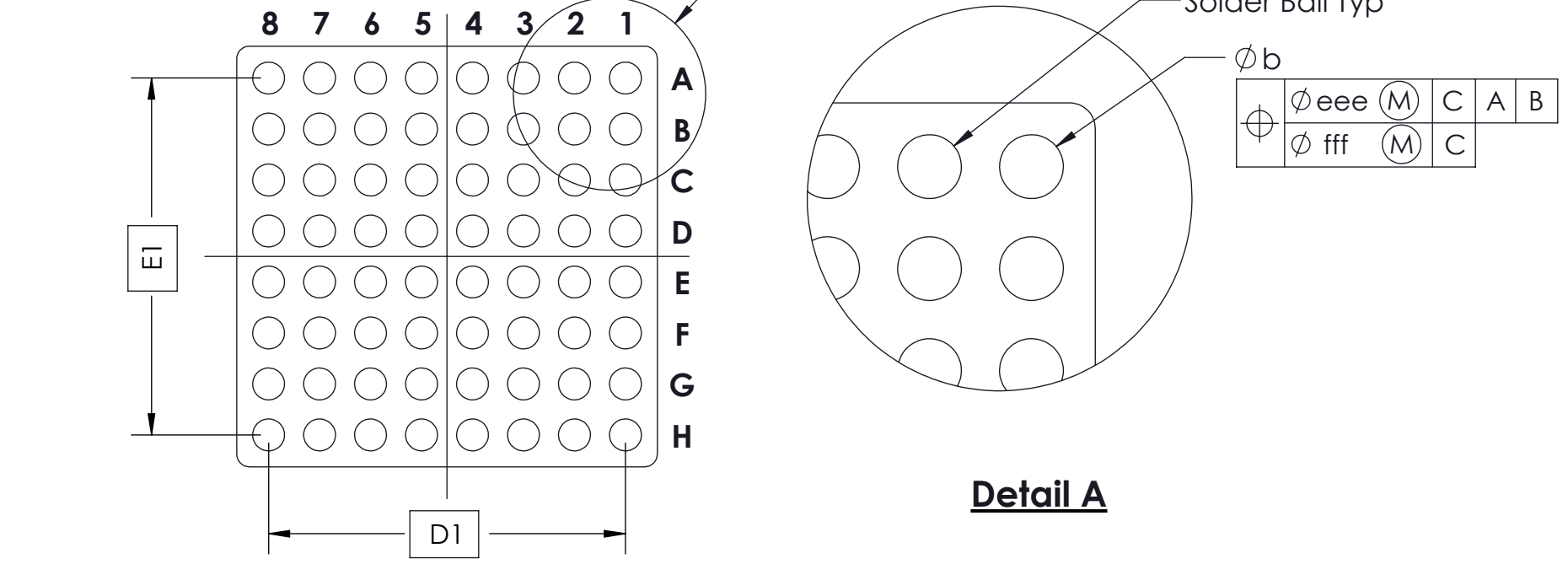
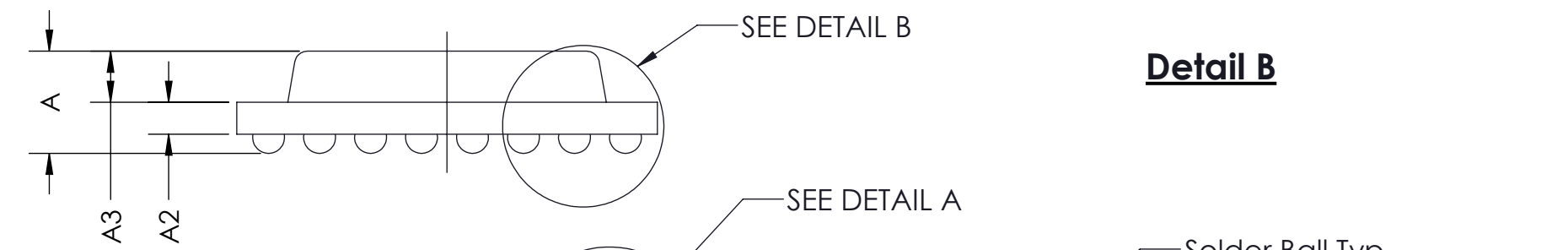
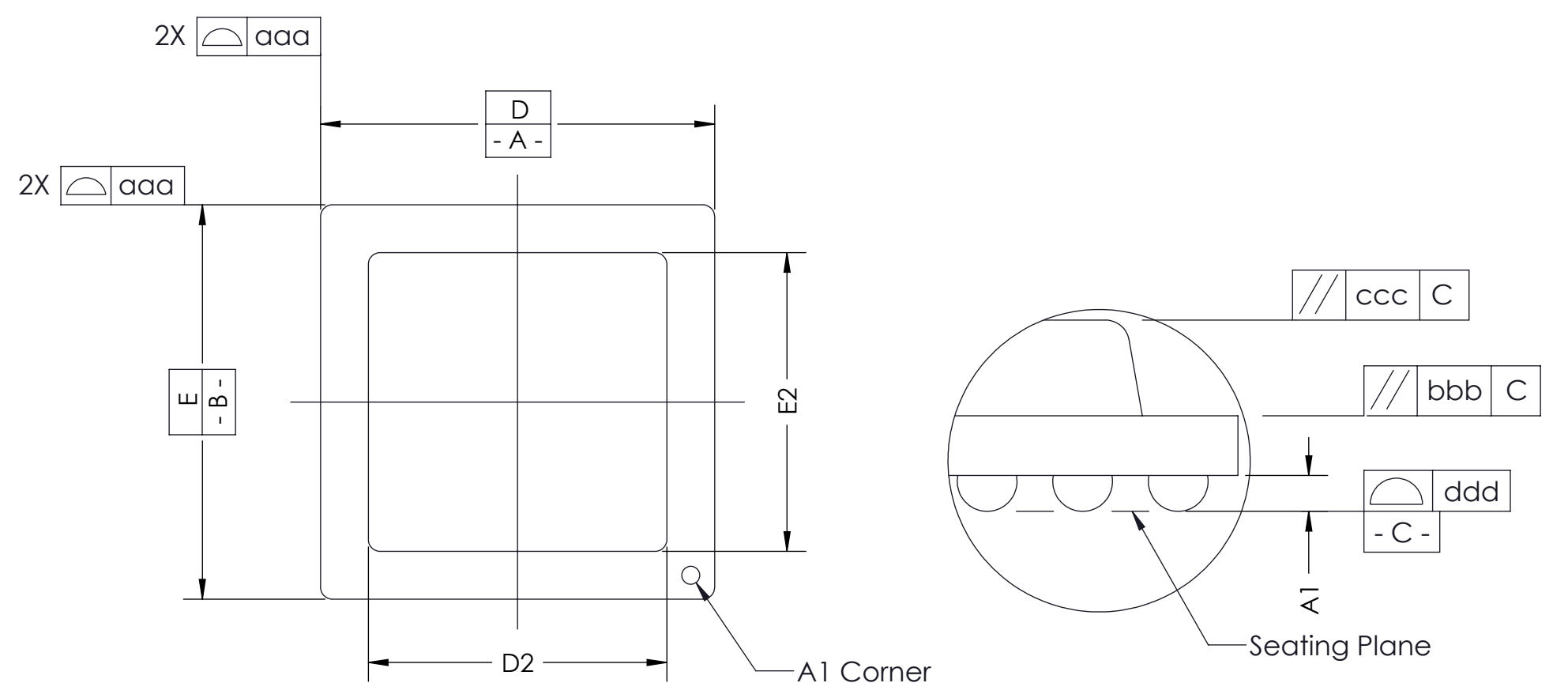
HSIO TECHNOLOGIES, LLC.
 13400 68th AVENUE NORTH
 MAPLE GROVE, MINNESOTA 55311
 763-447-6260

TITLE:
 SCKT, 200GRY 10X15-0.80X0.65

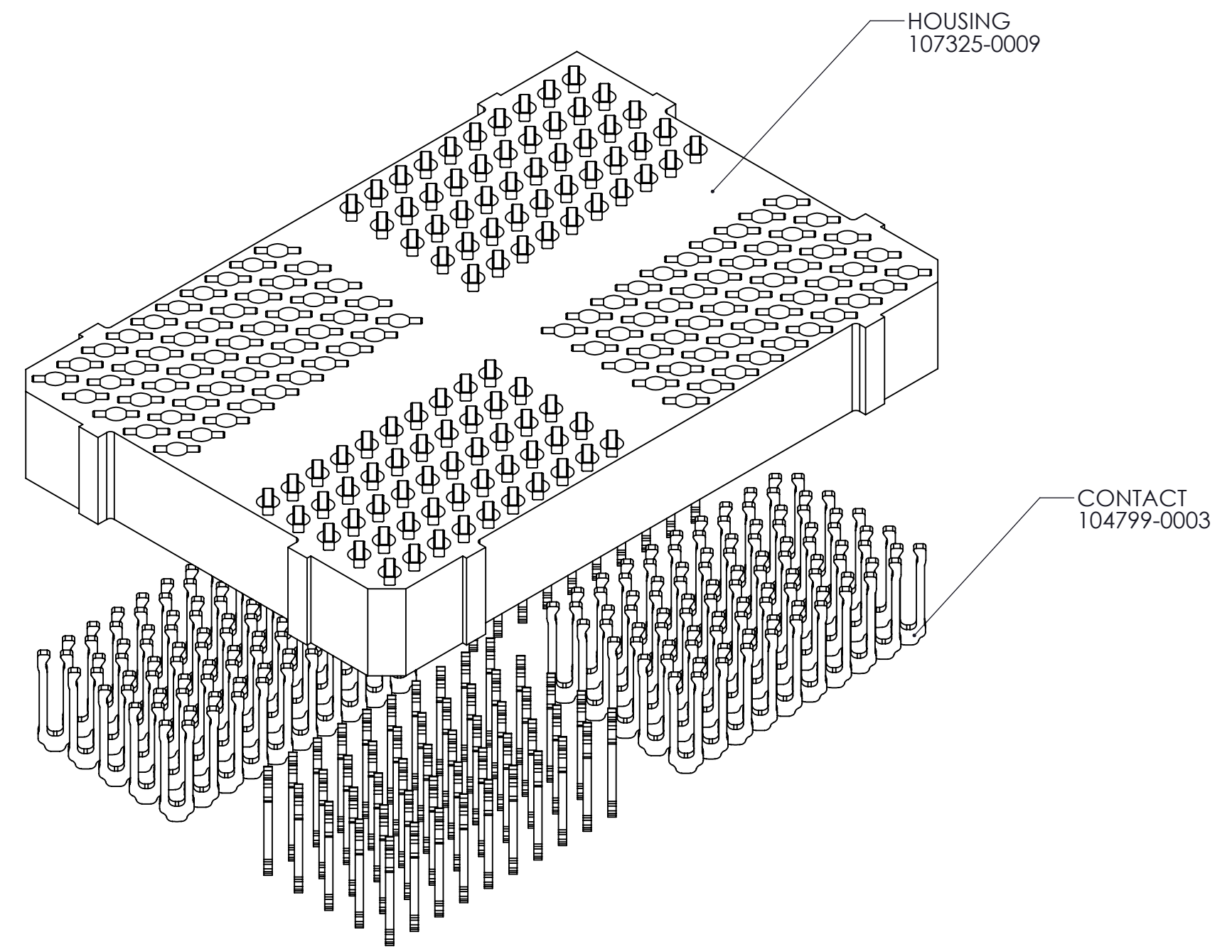
DWG. NO. **111004-XXXX** REV **D**


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

SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS					
Lead Count	N	200	Package Size	D	10.00
Columns	ND	10		E	15.00
Rows	NE	20	Ball Spacing	D1	8.800
Pitch	e	0.80X0.65		E1	13.650
Ball Size	b	0.350±0.050	Encapsulant/ Top Size	D2	N/A
Total Thickness	A	N/A		E2	N/A
Ball Height	A1	0.225 MIN	Pattern Style	IRREGULAR	
Substrate Thickness	A2	N/A	Perimeter Rows	N/A	
Top Thickness	A3		Center Array	N/A	
Form Tolerances					
Edge	aaa	0.20	Bottom	ddd	0.15
Substrate	bbb	0.20	Position	eee	0.20
Top	ccc	0.20	Position	fff	0.10
* See footprint for pattern details. All dimensions are in millimeters.					



Generic Representation with Full Grid Array



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	INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED NSJ 03/02/15	LEGEND:	REV D	
	MATERIAL SEE B.O.M		△ NOTE CALLOUT		
	FINISH		◻ REVISION CHANGE		
DO NOT SCALE DRAWING		○ ITEM NUMBER			