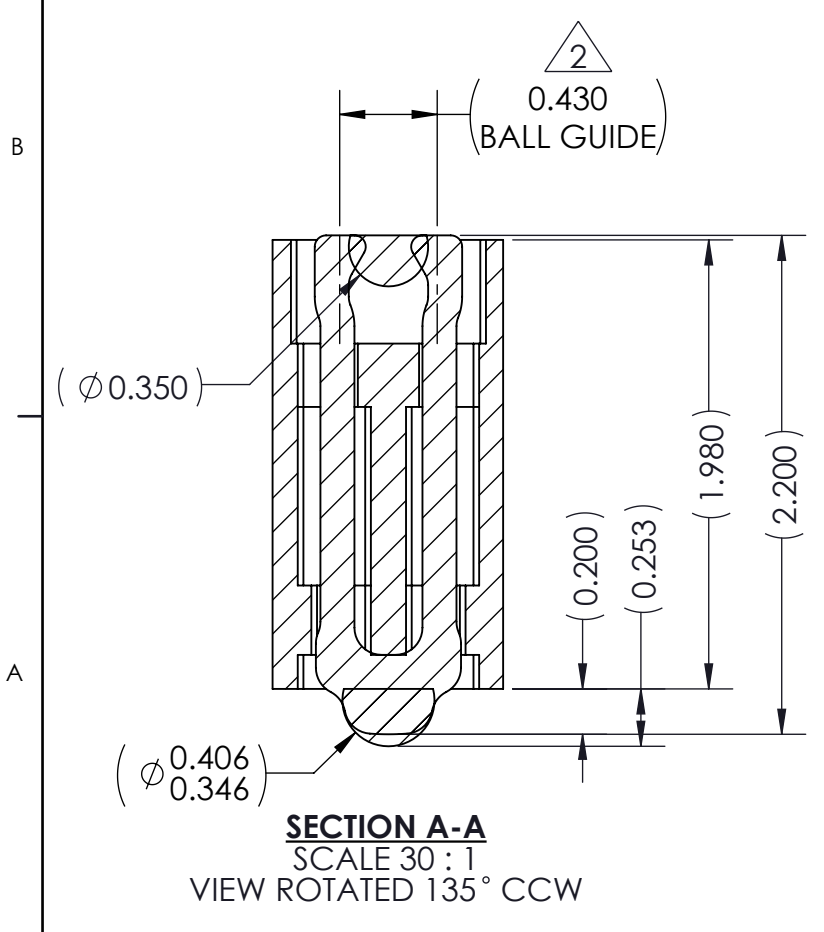
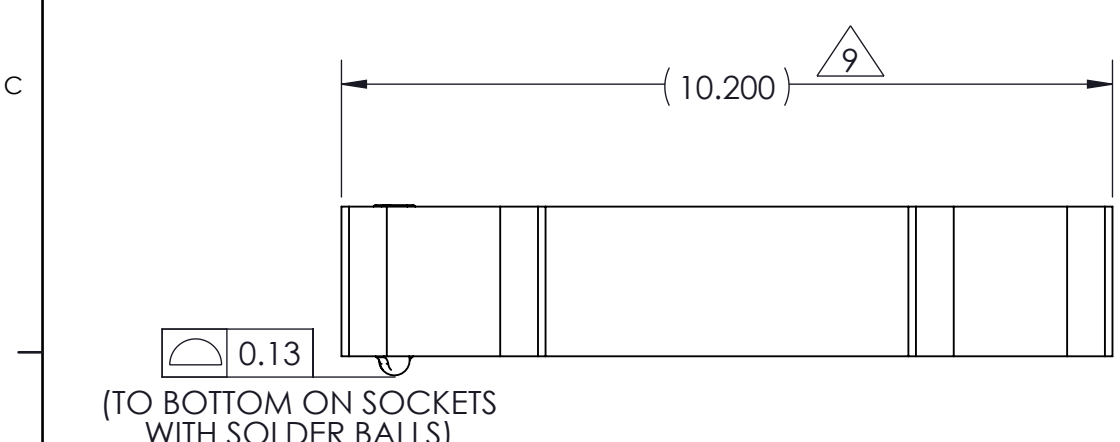
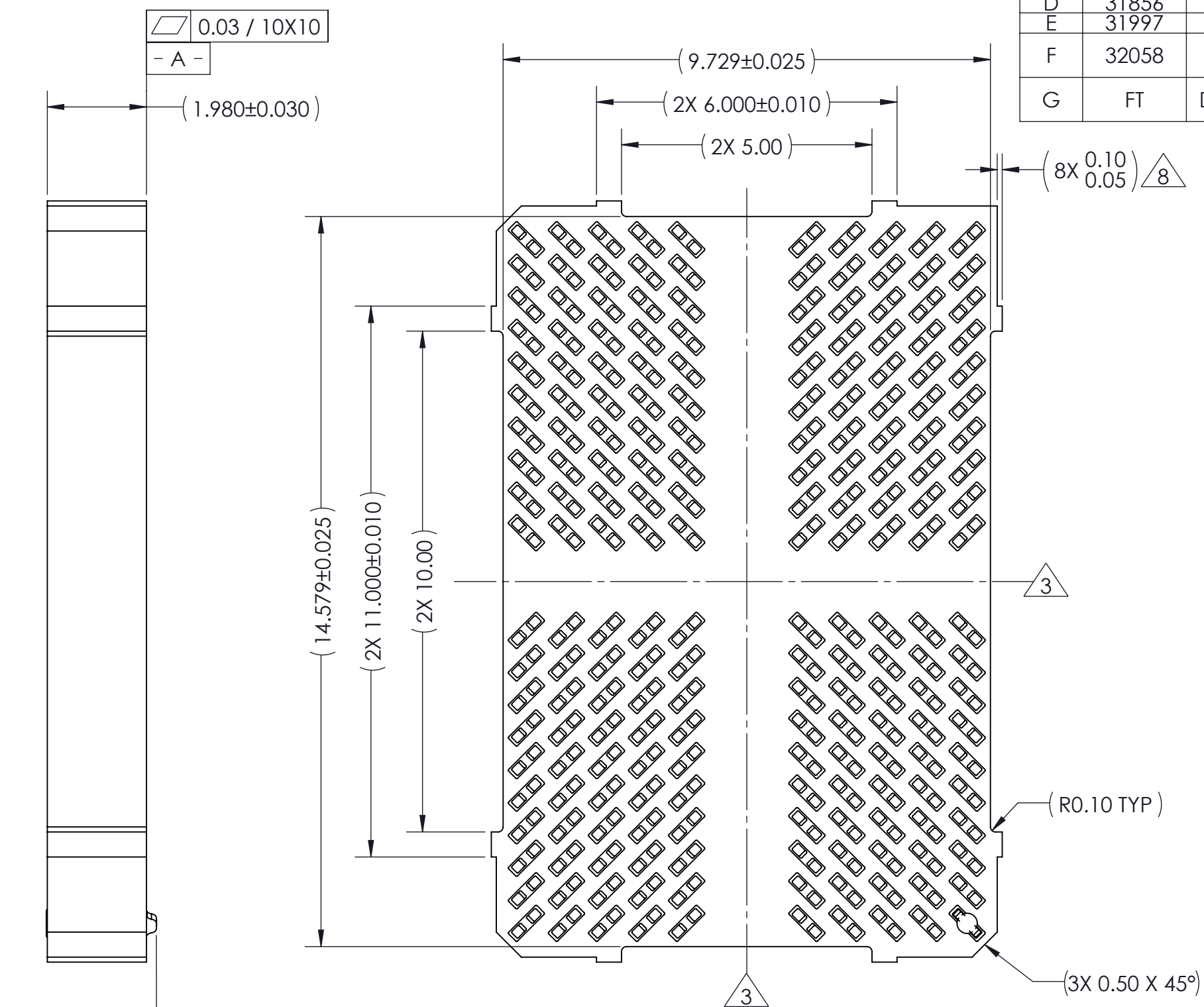
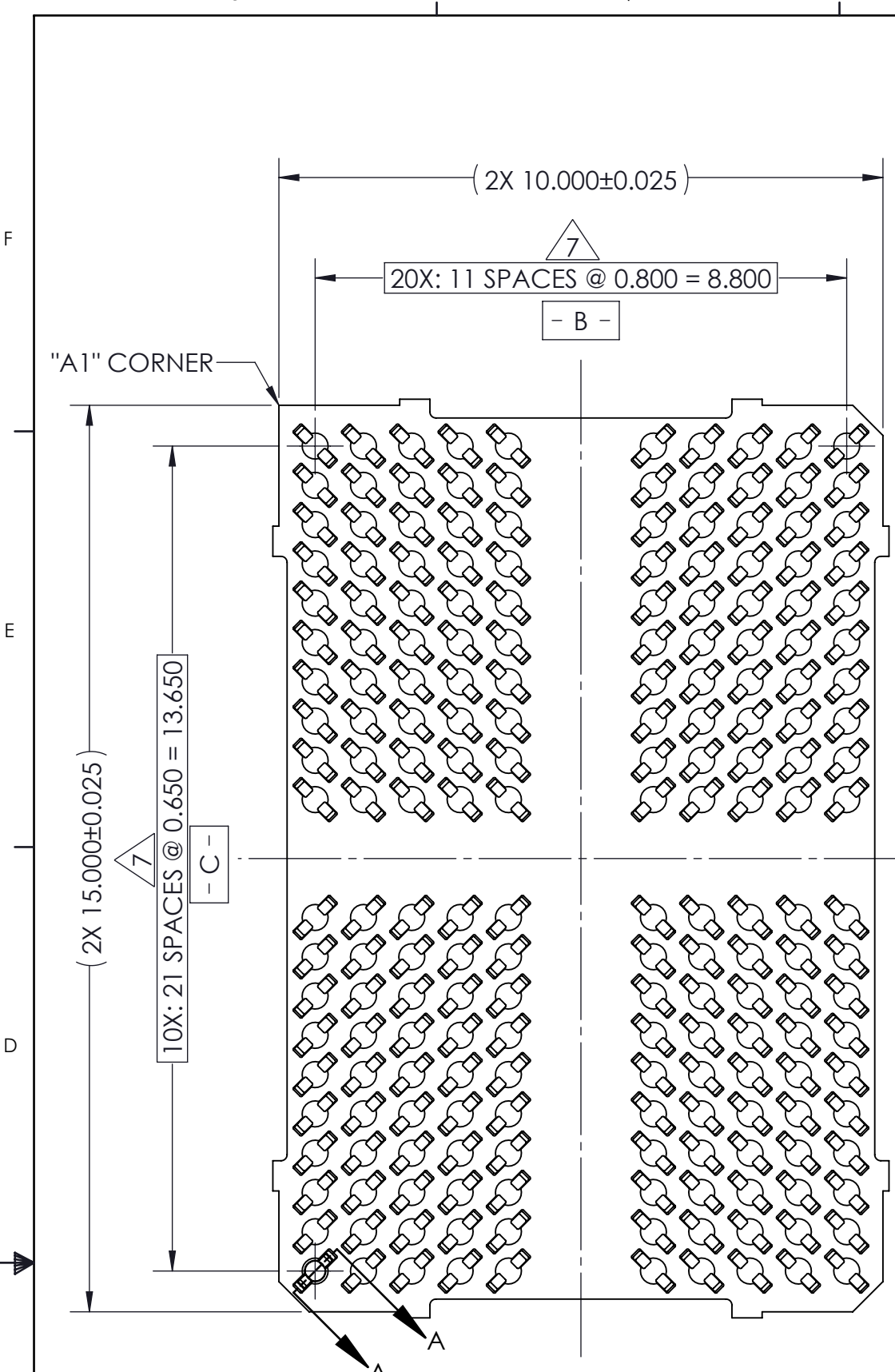


REV	ECO	BY	DESCRIPTION	APV	DATE
A	31609	RS	INITIAL DESIGN	NSJ	03/02/15
B	31712	RS	ADDED "A1" INDICATOR	NSJ	11/12/15
C	31838	RS	BALL SIZE IN TABLE ON PAGE 2 WAS 0.300±0.050	NSJ	12/01/16
D	31856	RS	ADDED ALIGNMENT FRAME 108639-0089	NSJ	02/21/17
E	31997	RS	UPDATED PRESS DEVICE	NSJ	08/23/18
F	32058	RS	1) UPDATED HOUSING TO BETTER FIT CONTACT; 2) WAS Ø0.40-Ø0.34	NSJ	04/19/19
G	FT	DJP	UPDATED SB TO BE Ø0.340 TO 0.400.	AJN	6/11/21



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)
103864-0059	PRESS DEVICE INSERT, 10.0 X 14.4 (SOLD SEPARATELY)
104553-0380	STENCIL, FLEX, 200GRY 10X15-0.80X0.65 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)

NOTES:

- UNLESS OTHERWISE NOTED, ALL FEATURES LOCATED $\oplus 0.10$ A B C
- DATUM'S - B - AND - C - ARE DETERMINED BY Ø0.430 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.

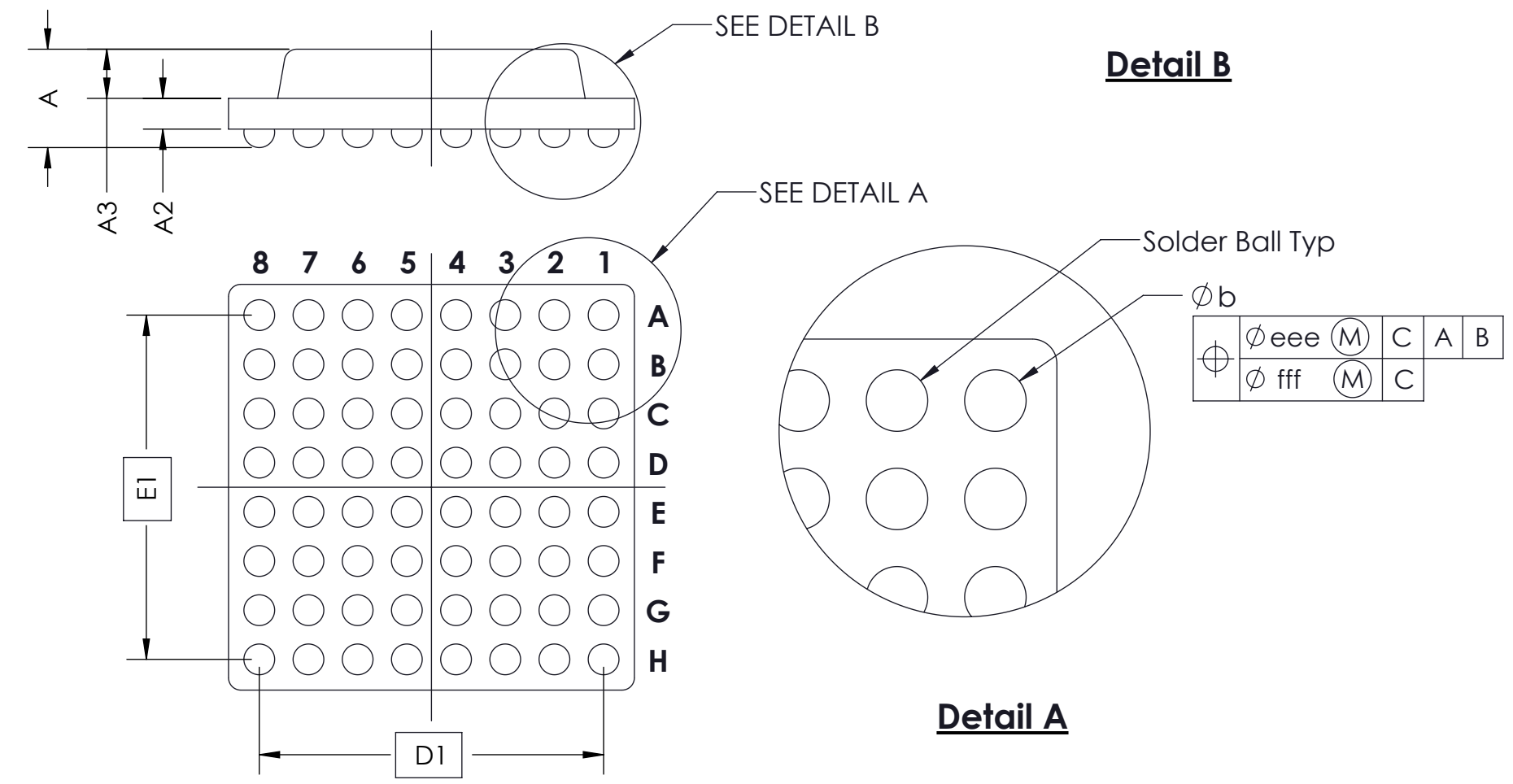
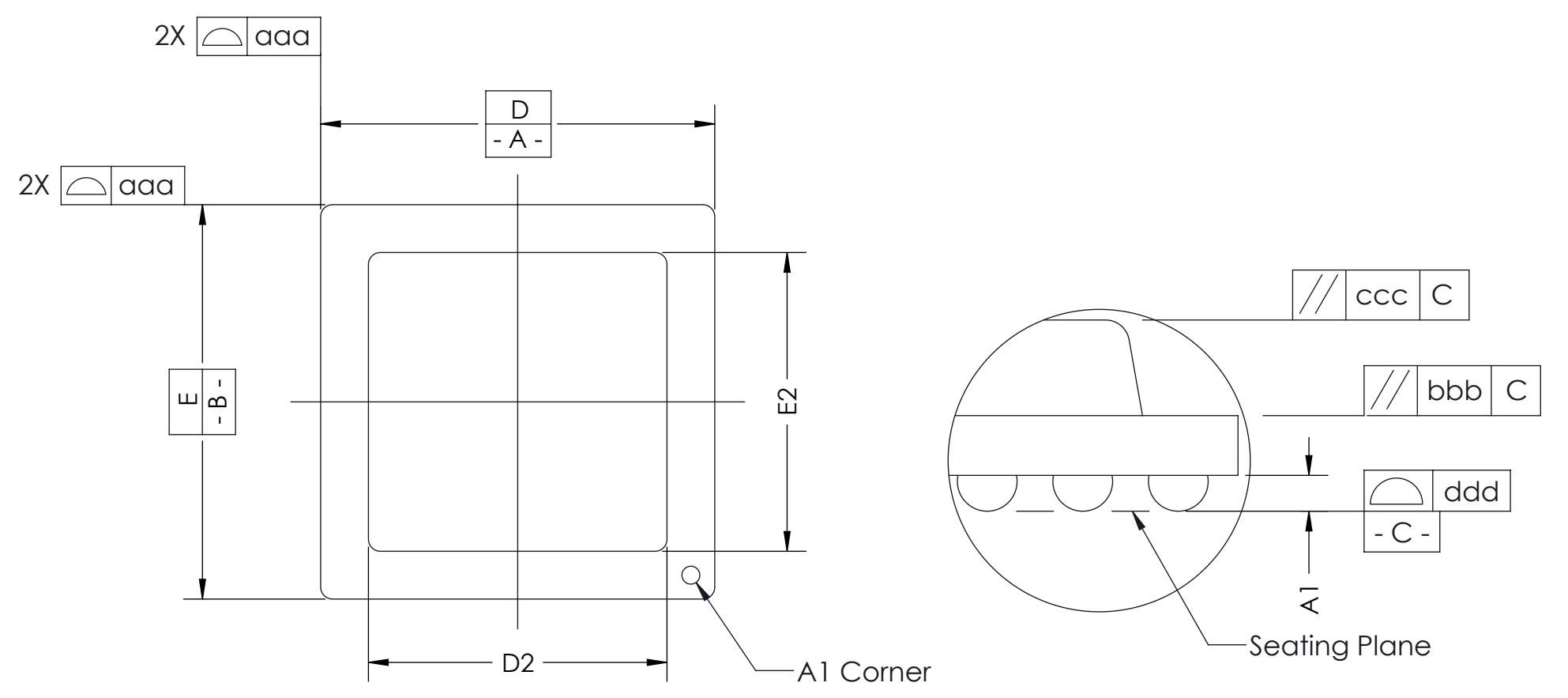
IRONWOOD ELECTRONICS, INC.
 1335 EAGANDALE COURT
 EAGAN, MINNESOTA 55121
 952-229-8200

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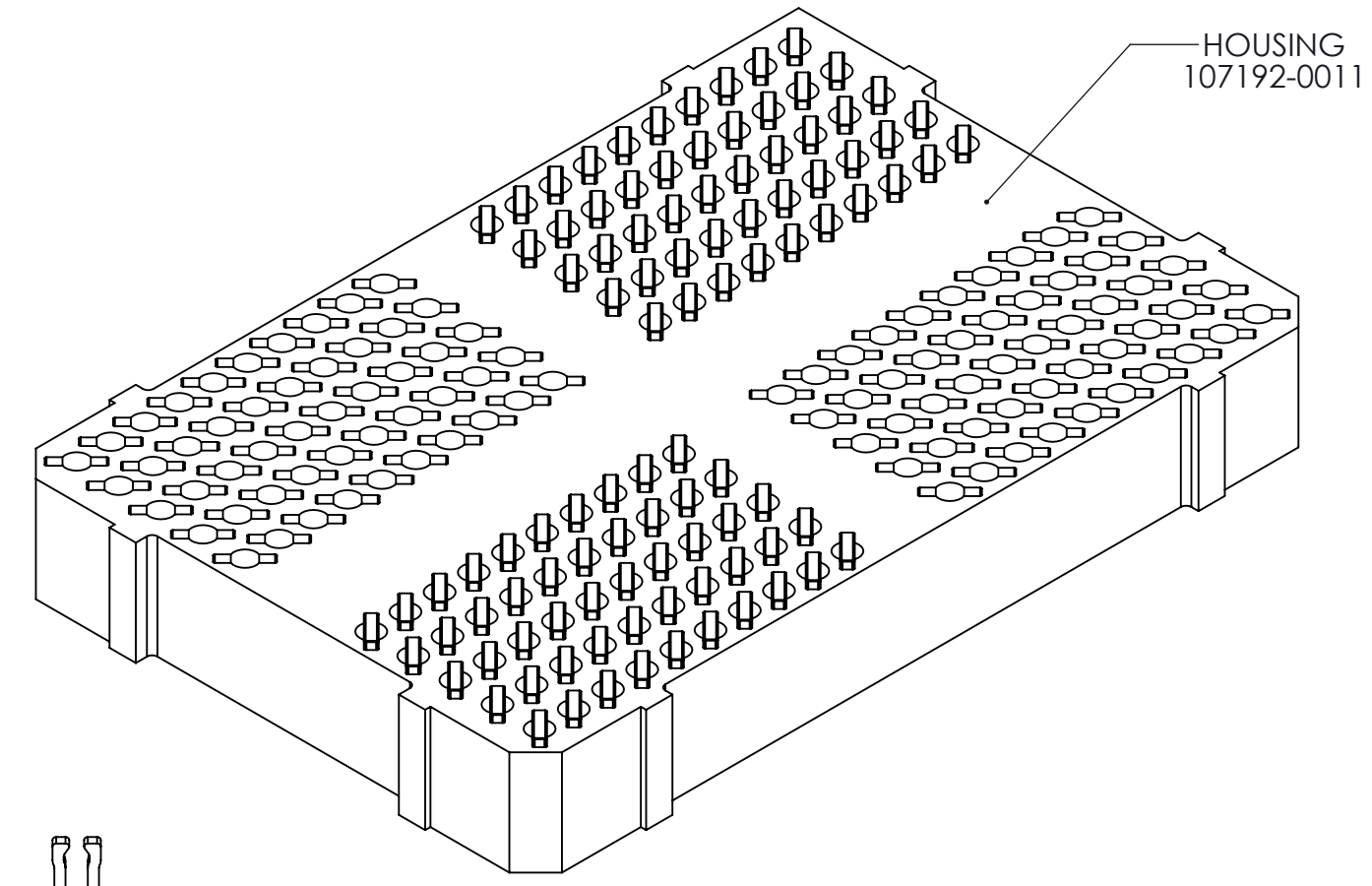
UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN MILLIMETERS		DRAWN	RS 03/02/15
TOLERANCES:		CHECKED	NSJ 03/02/15
ANGULAR: ± 1°		LEGEND:	
X.X ±0.25		△ NOTE CALLOUT	
X.XX ±0.10		◻ REVISION CHANGE	
X.XXX ±0.050		○ ITEM NUMBER	
INTERPRET GEOMETRIC TOLERANCING PER:		TITLE:	
MATERIAL		SCKT, 200GRY	
FINISH		10X15-0.80X0.65	
DO NOT SCALE DRAWING		DWG. NO.	
		111004-XXXX	
		REV	
		G	

SCALE	SIZE	SHEET	OF
10:1	C	1	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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	DIMENSIONS ARE IN MILLIMETERS	DRAWN	RS		03/02/15
	TOLERANCES:	CHECKED	NSJ		03/02/15
	ANGULAR: ± 1° X.X ±0.25 X.XX ±0.10 X.XXX ±0.050	LEGEND:			TITLE:
INTERPRET GEOMETRIC TOLERANCING PER:	NOTE CALLOUT REVISION CHANGE ITEM NUMBER		SCKT, 200GRY 10X15-0.80X0.65		
MATERIAL	SEE B.O.M		DWG. NO.	REV	
FINISH			111004-XXXX	G	
DO NOT SCALE DRAWING			SCALE: 10:1	SIZE: C SHEET 2 OF 2	