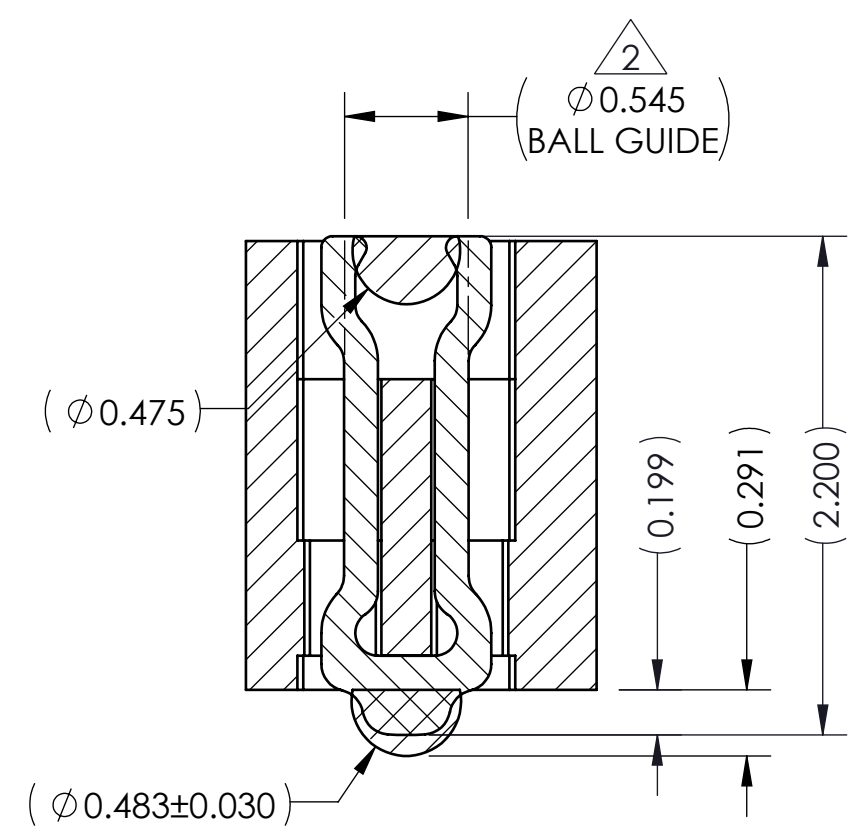
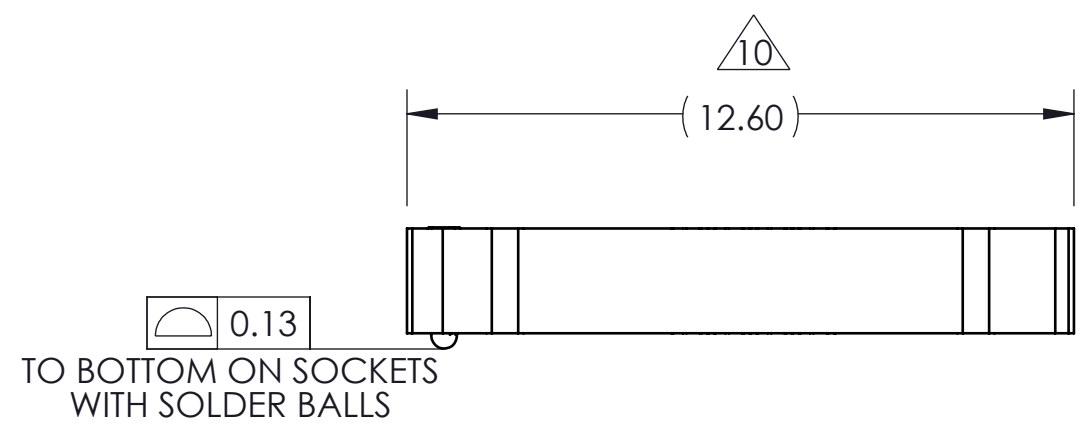
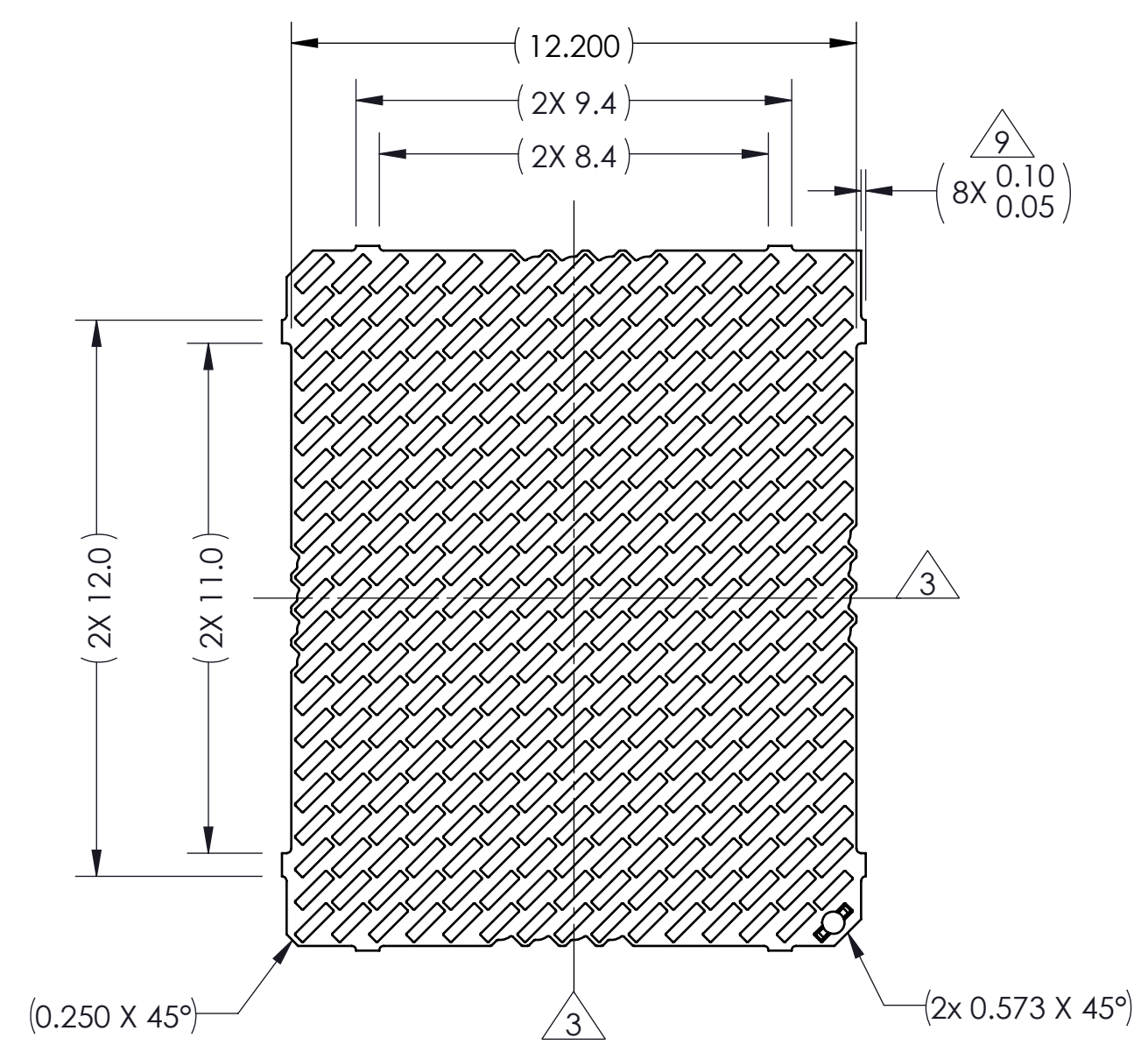
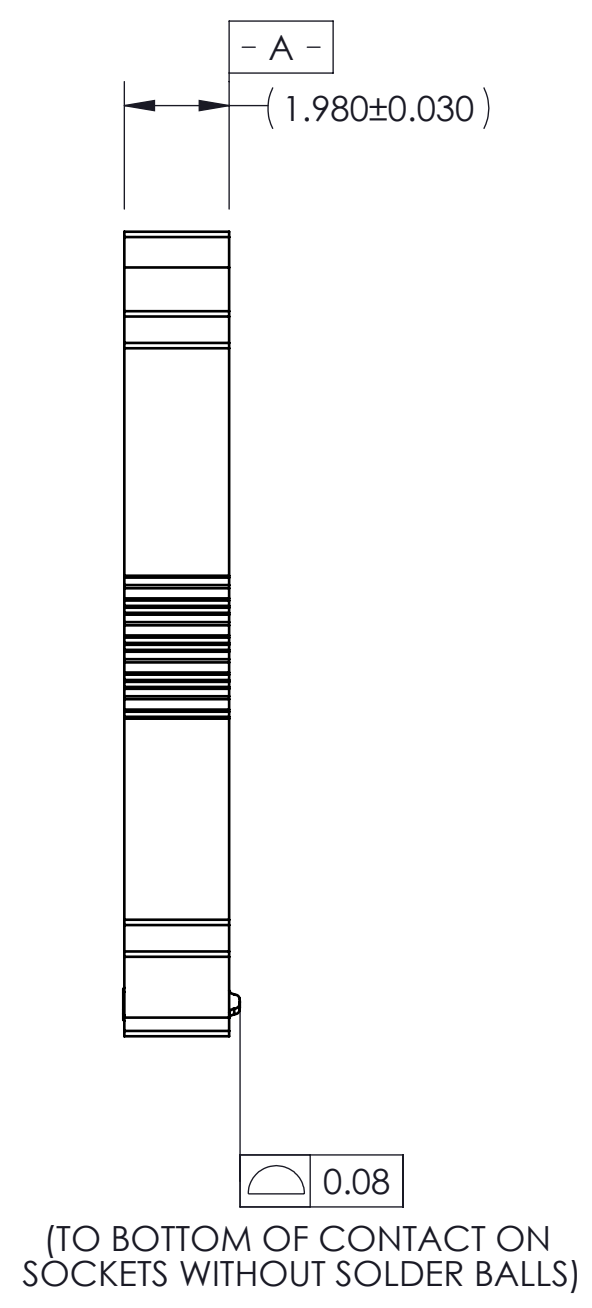
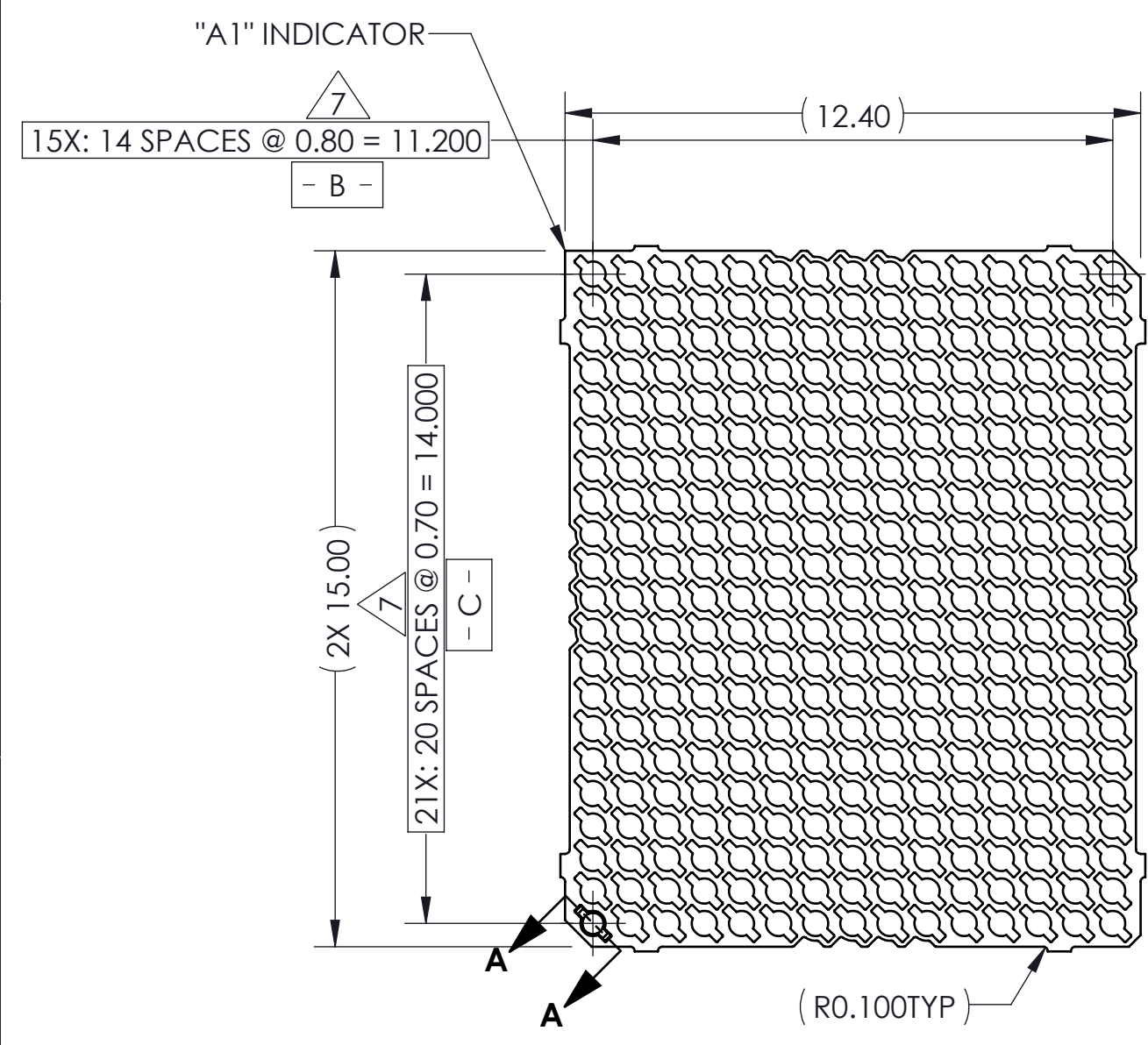


REV	ECO	BY	DESCRIPTION	APV	DATE
A	5394	DJP	INITIAL DESIGN	JJB	3/11/20
B	FT	DJP	UPDATE SB FROM Ø0.50 TO Ø0.483	SRS	10/4/21



SECTION A-A
SCALE 30:1

NOTES:

- UNLESS OTHERWISE NOTED, ALL FEATURES LOCATED $\oplus 0.10$ A B C
- DATUM'S - B - AND - C - ARE DETERMINED BY Ø0.545 FEATURES ON CORNER SLOTS.
- CENTER OF CONTACT PATTERN.
- REFERENCE IRONWOOD ELECTRONICS SPECIFICATION 700001-0001 FOR SOLDER ATTACHMENT.
- REFERENCE IRONWOOD ELECTRONICS SPECIFICATION 700001-0002 FOR APPLICATION NOTES.
- DIMENSION LOCATES CENTER OF CONTACT/SLOT.
- ALL CONTACTS/SOLDER BALLS ARE NOT SHOWN TO MINIMIZE FILE SIZE.
- TOOLING MARKS PERMITTED. MAXIMUM 0.100 PROTRUSION SHOWN.
- DIMENSION INCLUDES 0.100 PROTRUSION.

PART NUMBER	DESCRIPTION
GR1032-0001	SCKT, 315BG 12.4X15.0-0.80X0.70, GRY (EUTECTIC SOLDER BALL)
GR1032-0002	SCKT, 315BGA 12.4X15.0-0.80X0.70, GRY (SAC305 SOLDER BALL)
GR1032-0003	SCKT, 315BGA 12.4X15.0-0.80X0.70, GRY (WITHOUT SOLDER BALL)
103864-0025	PRESS DEVICE INSERT, 10.0 X 15.0 (SOLD SEPARATELY)
104553-0554	STENCIL FLEX, 315BGA, 12.4X15.0-0.80X0.70 (SOLD SEPARATELY)
105900-0004	EXTRACTION TOOL, 4 X 53 (SOLD SEPARATELY)
108639-0154	ALIGNMENT FRAME, GRY 12.4 X 15.0 (SOLD SEPARATELY)

PROPRIETARY AND CONFIDENTIAL

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.

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	

DRAWN	DJP	3/11/20
CHECKED	JJB	3/11/20
LEGEND:		
△	NOTE CALLOUT	
□	REVISION CHANGE	
○	ITEM NUMBER	

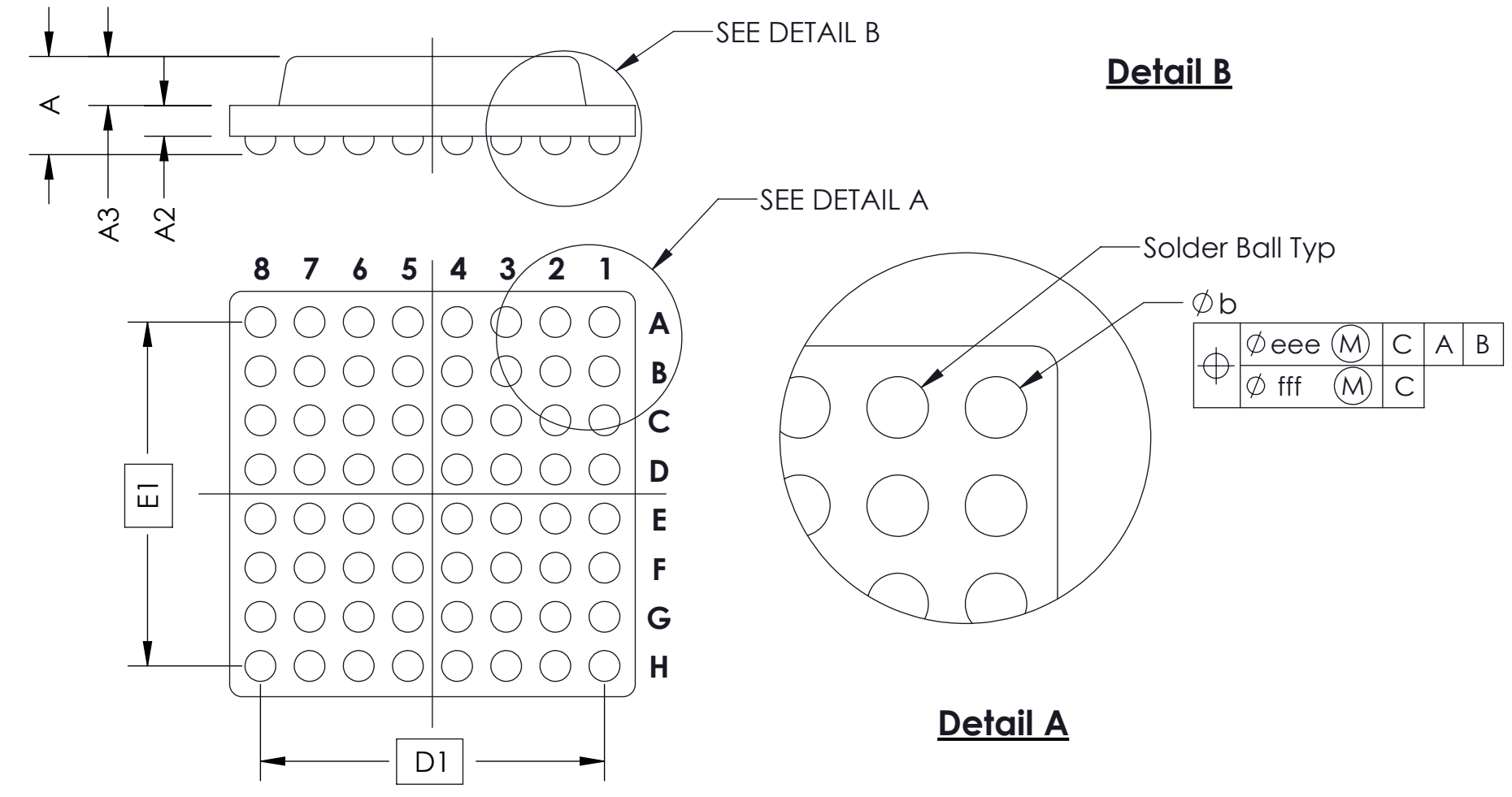
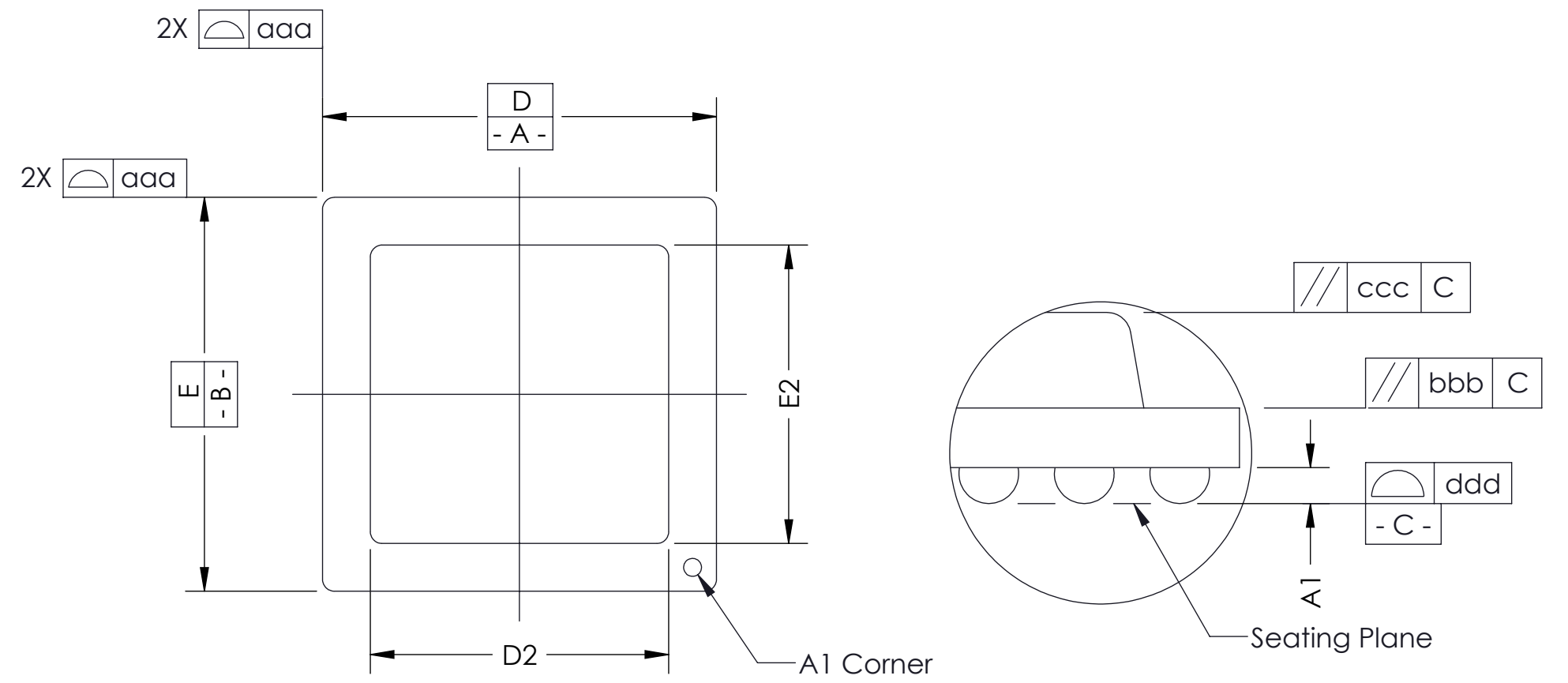
IRONWOOD ELECTRONICS, INC.
1335 EAGANDALE COURT
EAGAN, MINNESOTA 55121
952-229-8200

TITLE:
SCKT, 315BGA 12.4X15.0-0.80X0.70, GRY

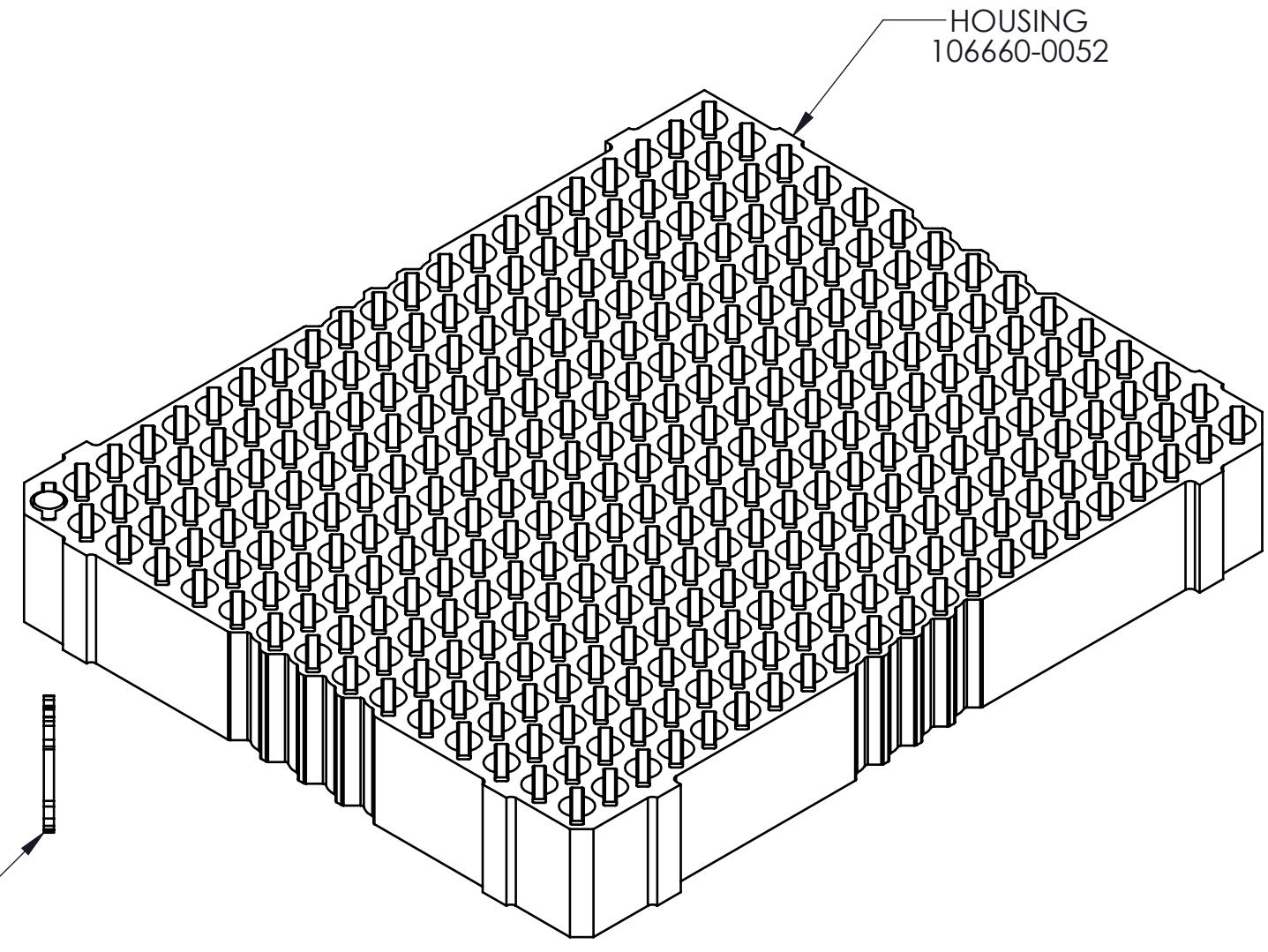
DWG. NO. **GR1032-XXXX** REV **B**

SCALE: 7:1 SIZE: C SHEET 1 OF 2


SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS				
Lead Count	N	315	Package Size	D 12.40
Columns	ND	15		E 15.00
Rows	NE	21	Ball Spacing	D1 11.200
Pitch	e	0.80X0.70		E1 14.000
Ball Size	b	0.475+0.05/-0.045	Encapsulant/Top Size	D2 N/A
Total Thickness	A	N/A		E2 N/A
Ball Height	A1	0.275 MIN	Pattern Style	FULL
Substrate Thickness	A2	N/A	Perimeter Rows	N/A
Top Thickness	A3	N/A	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
* ALL DIMENSIONS ARE IN MILLIMETERS.				



Generic Representation with Full Grid Array



SCALE 10 : 1

 <p>PROPRIETARY AND CONFIDENTIAL</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:	NAME	DATE	IRONWOOD ELECTRONICS, INC. 1335 EAGANDALE COURT EAGAN, MINNESOTA 55121 952-229-8200	
	DIMENSIONS ARE IN MILLIMETERS	DRAWN	DJP		3/9/20
	TOLERANCES:	CHECKED	JJB		3/10/20
	ANGULAR: ± 1° X.X ±0.25 X.XX ±0.10 X.XXX ±0.050	LEGEND:	△ NOTE CALLOUT ◻ REVISION CHANGE ○ ITEM NUMBER		
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL	SEE B.O.M		TITLE:	
FINISH	DO NOT SCALE DRAWING			SKCT, 315BGA 12.4X15.0-0.80X0.70, GRY	
		DWG. NO.	REV		
		GR1032-XXXX	B		
		N/A	SIZE: C	SHEET 2 OF 2	