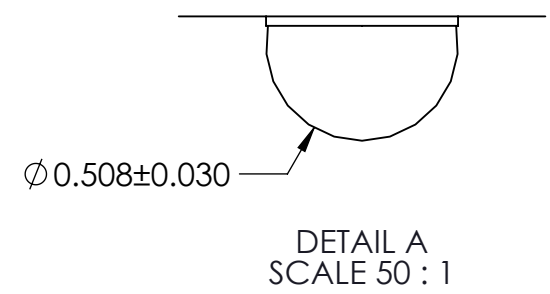
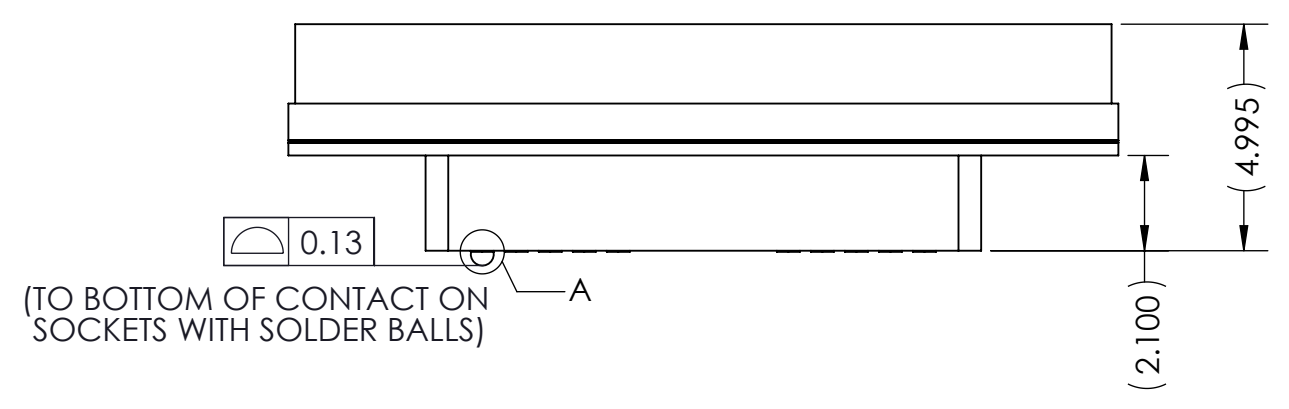
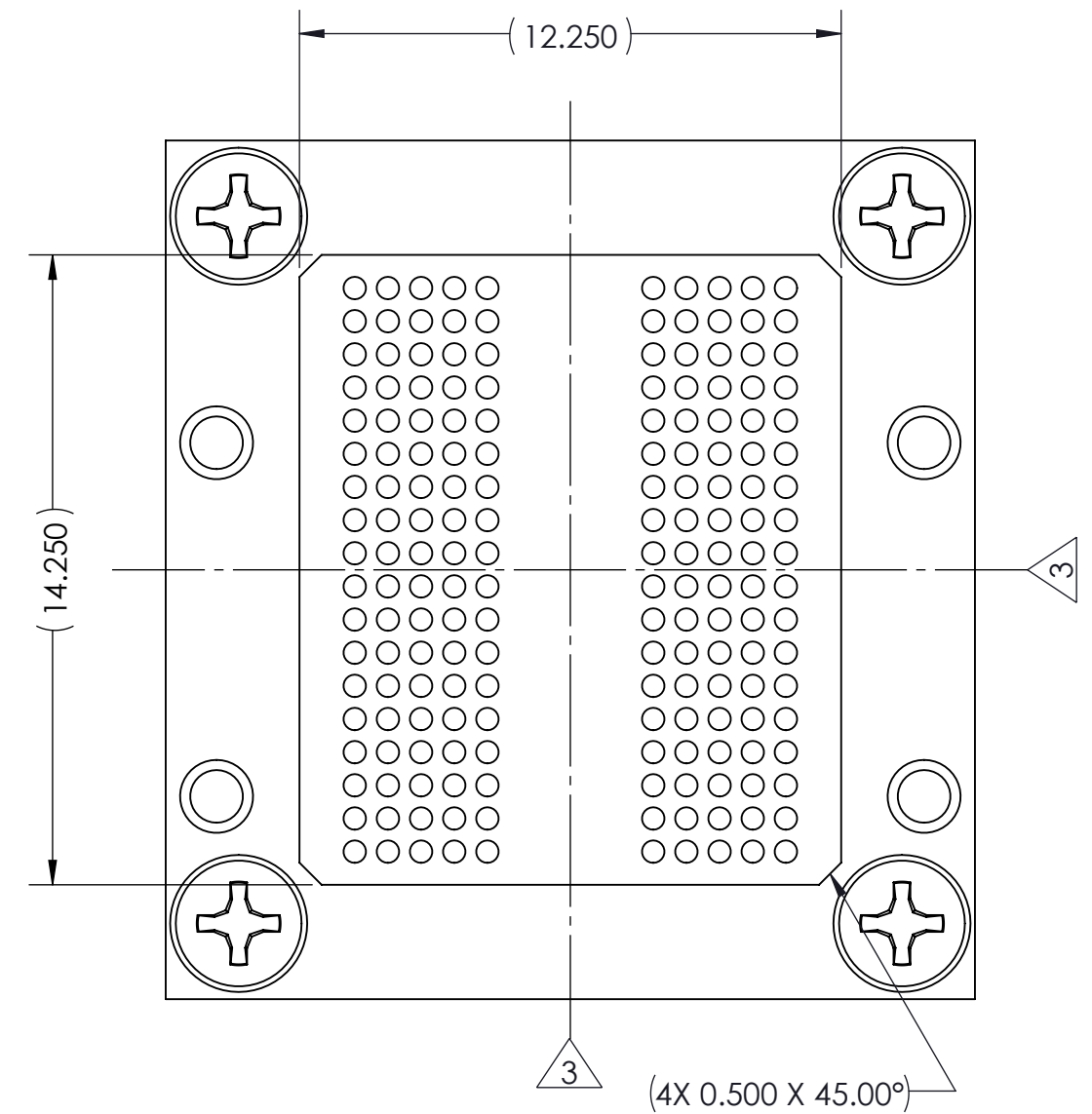
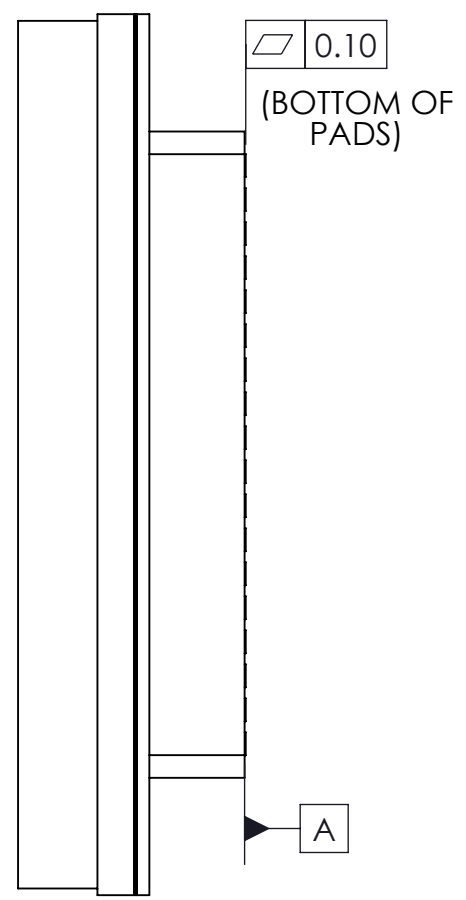
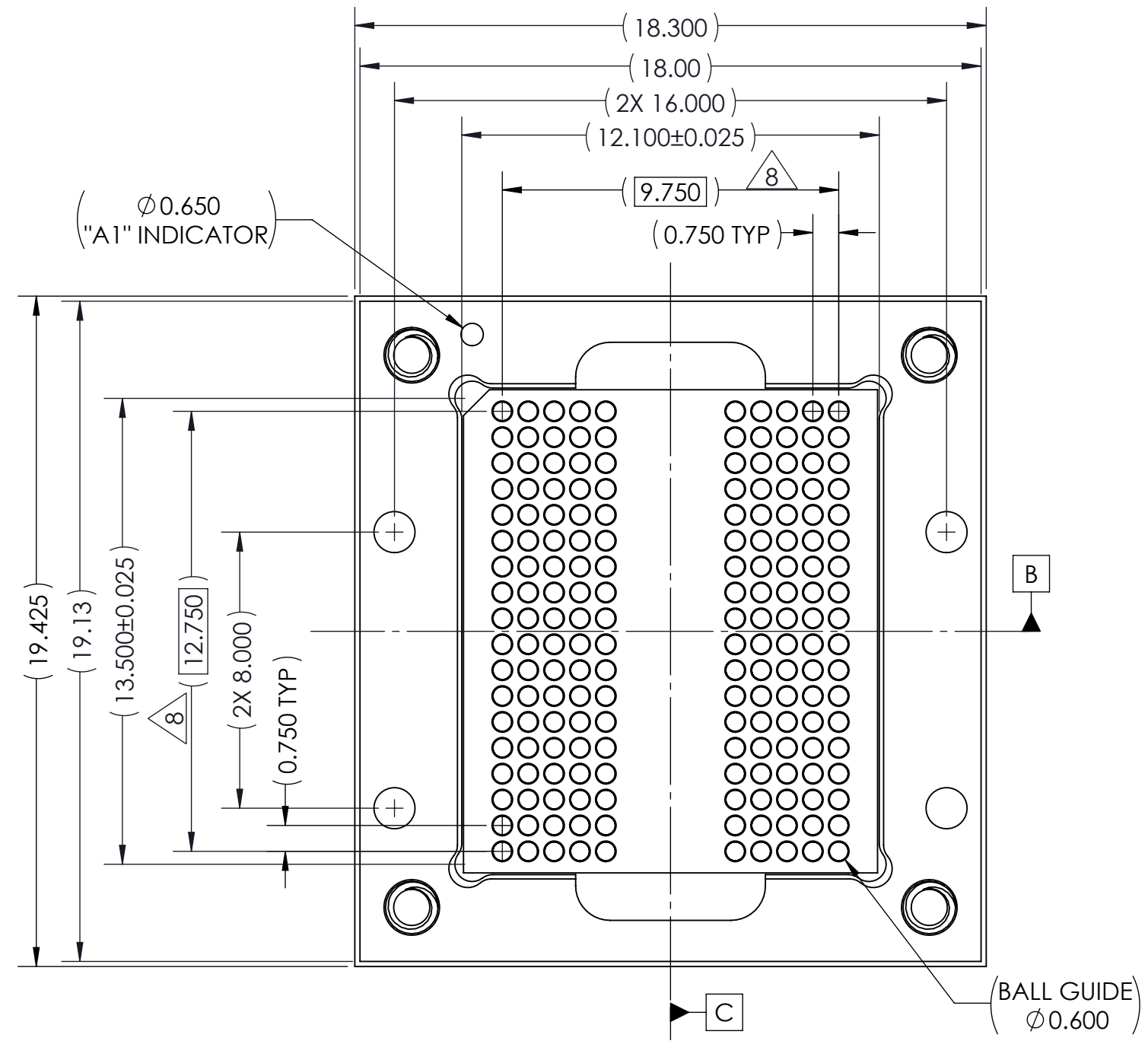


| REV | ECO | BY | DESCRIPTION | APV | DATE |
|-----|------|-----|----------------|-----|---------|
| A | 7922 | DJP | INITIAL DESIGN | RS | 9/11/23 |



| PART NUMBER | DESCRIPTION |
|-------------|--|
| GR1278-0001 | SCKT, 180GTNZ 12.0X14.0-0.75, EUT (EUTECTIC SOLDER BALL) |
| GR1278-0002 | SCKT, 180GTNZ 12.0X14.0-0.75, SAC305 (SAC305 SOLDER BALL) |
| GR1278-0003 | SCKT, 180GTNZ 12.0X14.0-0.75, W/O (WITHOUT SOLDER BALL) |
| G1675 | GT ELASTOMER, 12.0X14.0mm, 14X18 ARRAY, 0.75 PITCH, BGA180 |
| 108810-0051 | ASSY LID, 12.0X14.0, KL (SOLD SEPARATELY) |
| 108810-1000 | ASSY LID, 12.0X14.0, 1.63, BD (SOLD SEPARATELY) |
| P28933 | BALL GUIDE, 180GTNZ 12.0X14.0-0.75 |
| 104553-0455 | STEN, FLEX, 180BGA 12.0X14.0-0.75 (SOLD SEPARATELY) |

NOTES:

- UNLESS OTHERWISE NOTED, ALL FEATURES LOCATED $\oplus 0.10$ A B C
- DATUM'S B AND C ARE DETERMINED BY $\phi 0.600$ 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.
- ALL CONTACTS/SOLDER BALLS ARE NOT SHOWN TO MINIMIZE FILE SIZE.
- DIMENSION LOCATES CENTER OF CONTACT/SLOT.
- FOOTPRINT PART NUMBER IS 104311-0483.

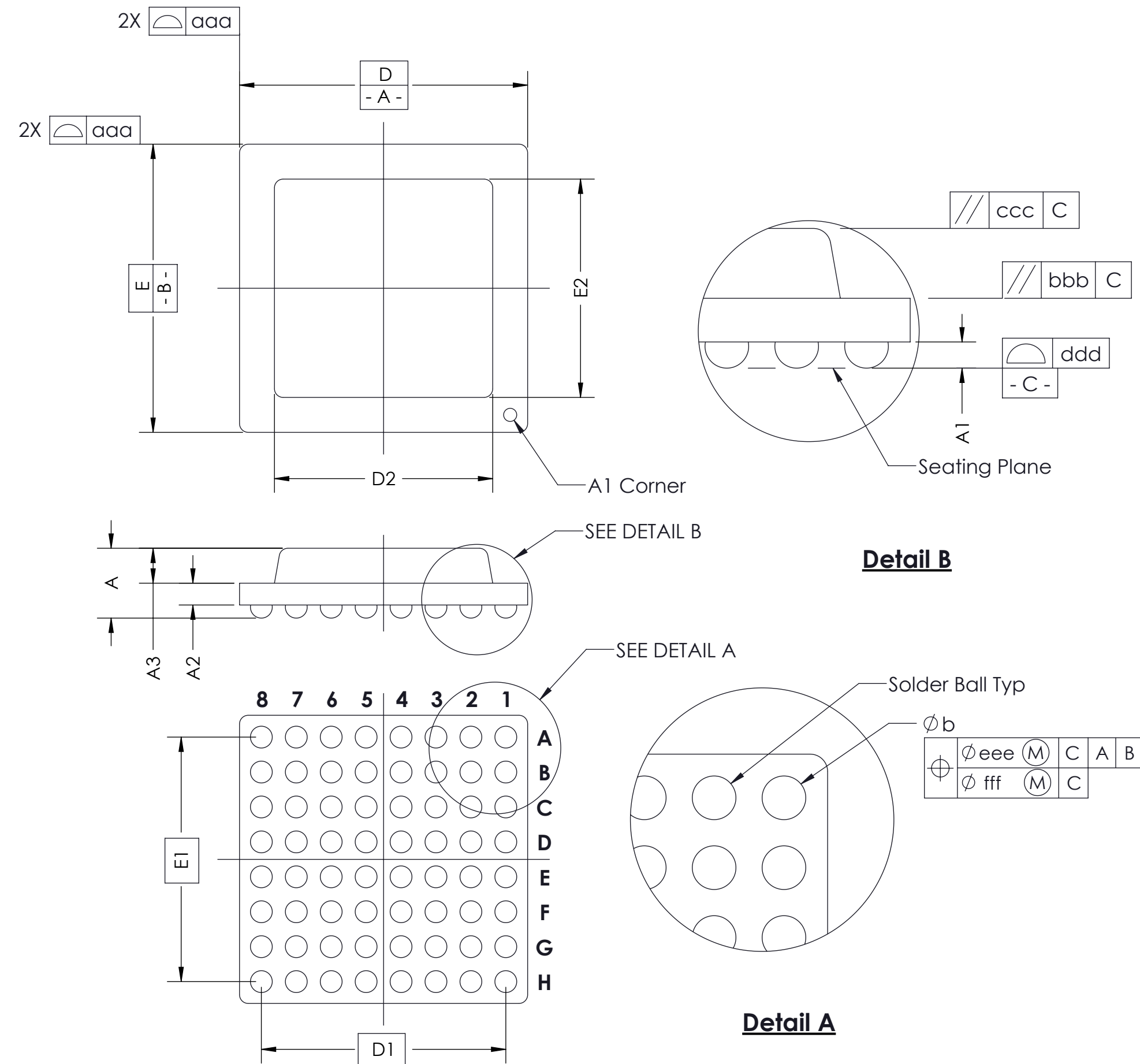
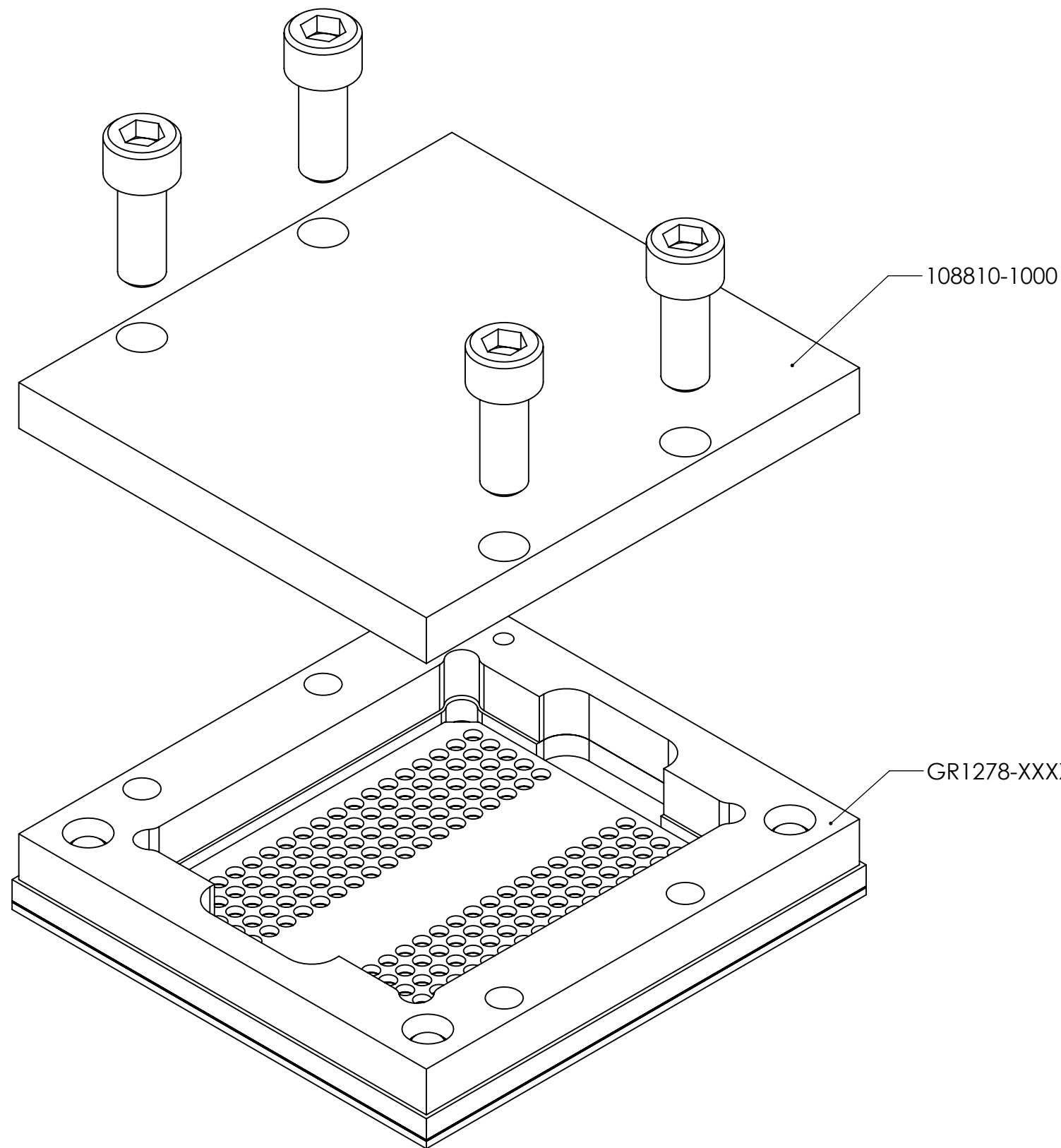
| | | | | | |
|--|--|---------|-----------------|---|--|
| <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF IRONWOOD ELECTRONICS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IRONWOOD ELECTRONICS, INC IS PROHIBITED.</p> | UNLESS OTHERWISE SPECIFIED: | NAME | DATE | IRONWOOD ELECTRONICS, INC. 1335 EAGANDALE COURT EAGAN, MINNESOTA 55121 952-229-8200 | |
| | DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR: $\pm 1^\circ$ X.X ± 0.25 X.XX ± 0.10 X.XXX ± 0.050 | DRAWN | DJP | | 9/11/23 |
| | INTERPRET GEOMETRIC TOLERANCING PER: | CHECKED | RS | 9/11/23 | TITLE: SCKT, 180GTNZ 12.0X14.0-0.75, BD |
| | MATERIAL SEE B.O.M FINISH | LEGEND: | | DWG. NO. | |
| DO NOT SCALE DRAWING | \triangle NOTE CALLOUT \square REVISION CHANGE \circ ITEM NUMBER | | REV A | | |

| | | |
|------------|---------|--------------|
| SCALE: 6:1 | SIZE: C | SHEET 1 OF 2 |
|------------|---------|--------------|


SOCKET FOR DEVICES THAT ARE WITHIN THESE SPECIFICATIONS

| | | | | | |
|---------------------|-----------|-----------|--------------------------|-----------------|--------|
| Ball Count | N | 180 | Package Size | D | 12.00 |
| Columns | ND | 14 | | E | 14.00 |
| Rows | NE | 18 | Ball Spacing | D1 | 9.750 |
| Pitch | e | 0.750 | | E1 | 12.750 |
| Ball Size | b | 0.50±0.05 | Encapsulant/ Top Size | D2 | N/A |
| Total Thickness | A | 1.20 MAX | | E2 | N/A |
| Ball Height | A1 | 0.30 MIN | Pattern Style | FULLY POPULATED | |
| Substrate Thickness | A2 | 0.89 MAX | Perimeter Rows | N/A | |
| Top Thickness | A3 | | Center Array | N/A | |

* ALL DIMENSIONS ARE IN MILLIMETERS.



Generic Representation with Full Grid Array

| | | | |
|--|---|---|---|
|  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 | NAME: DJP DATE: 9/11/23 CHECKED: RS DATE: 9/11/23 | IRONWOOD ELECTRONICS, INC. 1335 EAGANDALE COURT EAGAN, MINNESOTA 55121 952-229-8200 |
| | INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: SEE B.O.M FINISH: | LEGEND: △ NOTE CALLOUT ◻ REVISION CHANGE ○ ITEM NUMBER | TITLE: SCKT, 180GTNZ 12.0X14.0-0.75, BD |
| | DO NOT SCALE DRAWING | DWG. NO.: GR1278-XXXX | REV: A |
| | SCALE: 6:1 | SIZE: C | SHEET 2 OF 2 |