ORBEL

MEET EVERY MISSION-CRITICAL CHALLENGE WITH CONFIDENCE

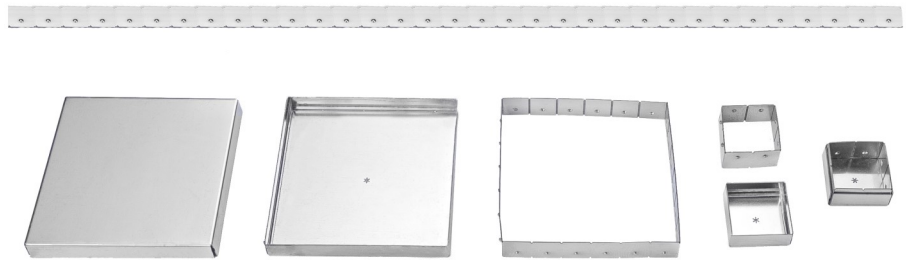## Groove-Loc™ Board Level Shielding
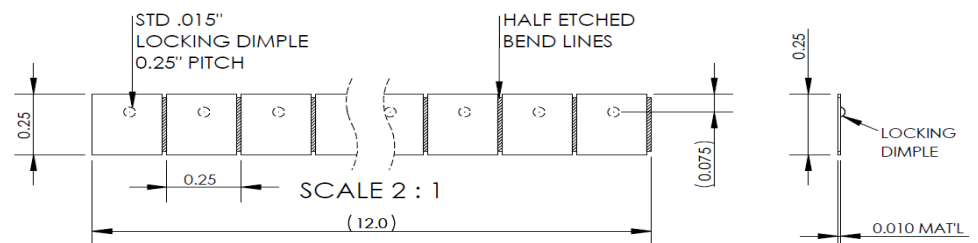### *Shielding Tomorrow's Technology*

Orbel, the recognized leader in standard and custom Board Level Shielding, now offers the Groove-Loc™

The Groove-Loc™ is an ideal way to prototype and test your next PCB shielding requirement. The fence strips can be hand bent into any rectangular size without specialized tooling, and any remaining excess can be removed by hand. The fence comes with a mating cover made to your exact specifications ensuring a reliable fit. The Groove-Loc™ incorporates dimple features on the fence and the mating cover exhibits a matching groove for ease of installation while securely locking the cover in place.

Orbel uses a highly solderable and corrosion resistant Nickel Silver Alloy to produce the Groove-Loc™. This material choice makes the Groove-Loc™ ideal for prototyping various shield sizes and configurations, while also lending itself as a solution for shielding applications in low to medium production volumes.

FENCE STRIP

FENCE STRIP

SCALE 2 : 1

STD .015"
LOCKING DIMPLE
0.25" PITCH

0.25

0.25

(12.0)

HALF ETCHED
BEND LINES

(0.075)

0.25

0.010 MATL'L

LOCKING
DIMPLE

FOOTPRINT

0 — 0

OPEN
CORNER

(1.505)

(1.505)

CENTERLINE FENCE FOOTPRINT
1.5" x 1.5" NOMINAL

COVER

1.54

1.54

MATING COVER
1.5" X 1.5" NOMINAL

HALF-ETCHED
GROOVE (x4)
INSIDE

ASSEMBLY

A

DETAIL A
SCALE 8 : 1

0.26

ETCHED GROOVE
INSIDE COVER
ENGAGES FENCE
DIMPLE ARRAY

BOM
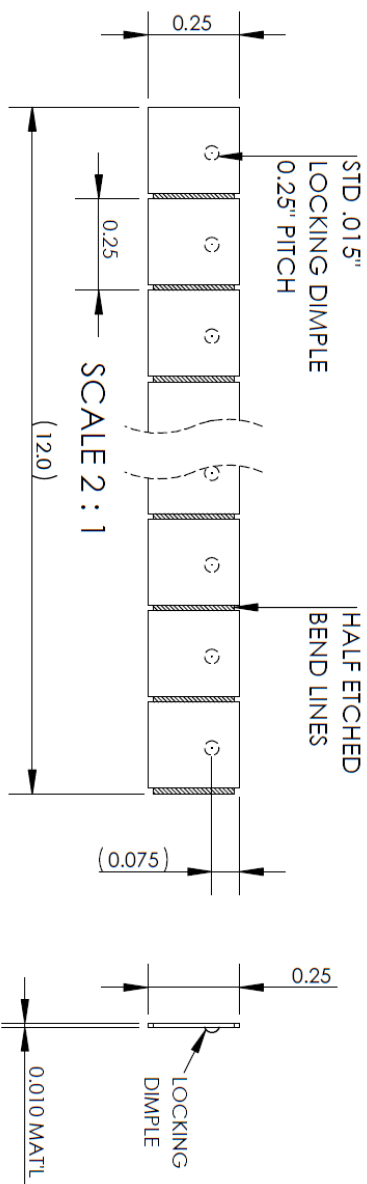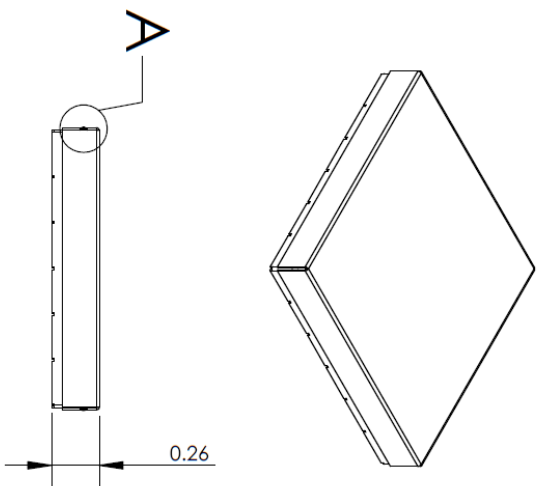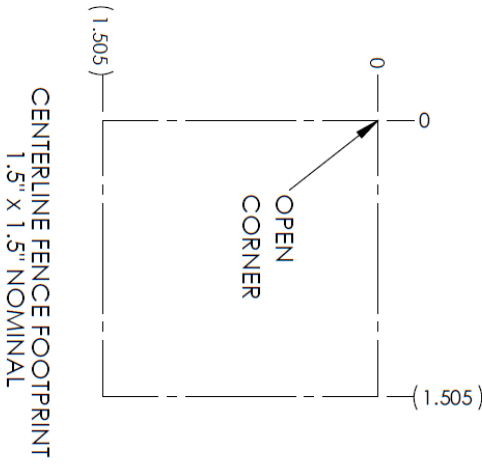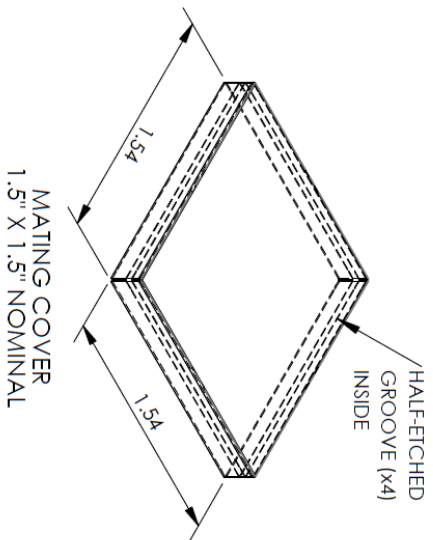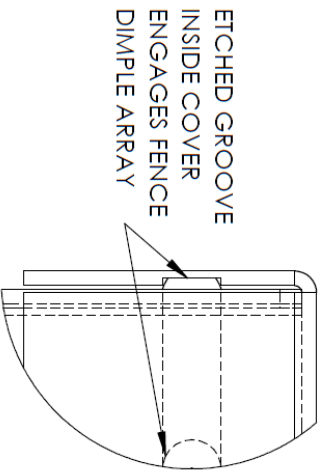
BOM	PART NO.
ASSY	GRVA-1500S1500-0250X
COVER	GRVC-1500S1500-0200X
FENCE	GRVF-0250SC-012000

FOR ANY QUESTIONS ON NON-STANDARD
GEOMETRY OPTIONS, PLEASE CONSULT THE
FACTORY AT **INFO@ORBEL.COM**

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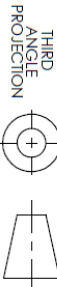
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DO NOT SCALE DRAWING

RoHS Compliant

THIRD
ANGLE
PROJECTION

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± 3 Degrees
TWO PLACE DECIMAL ± .010
THREE PLACE DECIMAL ± .005

MATERIAL:
.010" C770 NiAg, 1/2 HARD

HEAT TREAT:

FINISH:

	NAME	DATE
DRAWN	TNC	9/1/2023
CREATED		
CHECKED		
APPRVD.		

LATEST REVISION:

CUSTOMER:

ORBEL

GROOVE-LOC
STANDARD ASSEMBLY

SIZE
A

PART NUMBER:
GRVA-1500S1500-0250X

CAGE CODE: 57DU2

SCALE: 1:1

REV.
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SHEET 1 OF 1