

8

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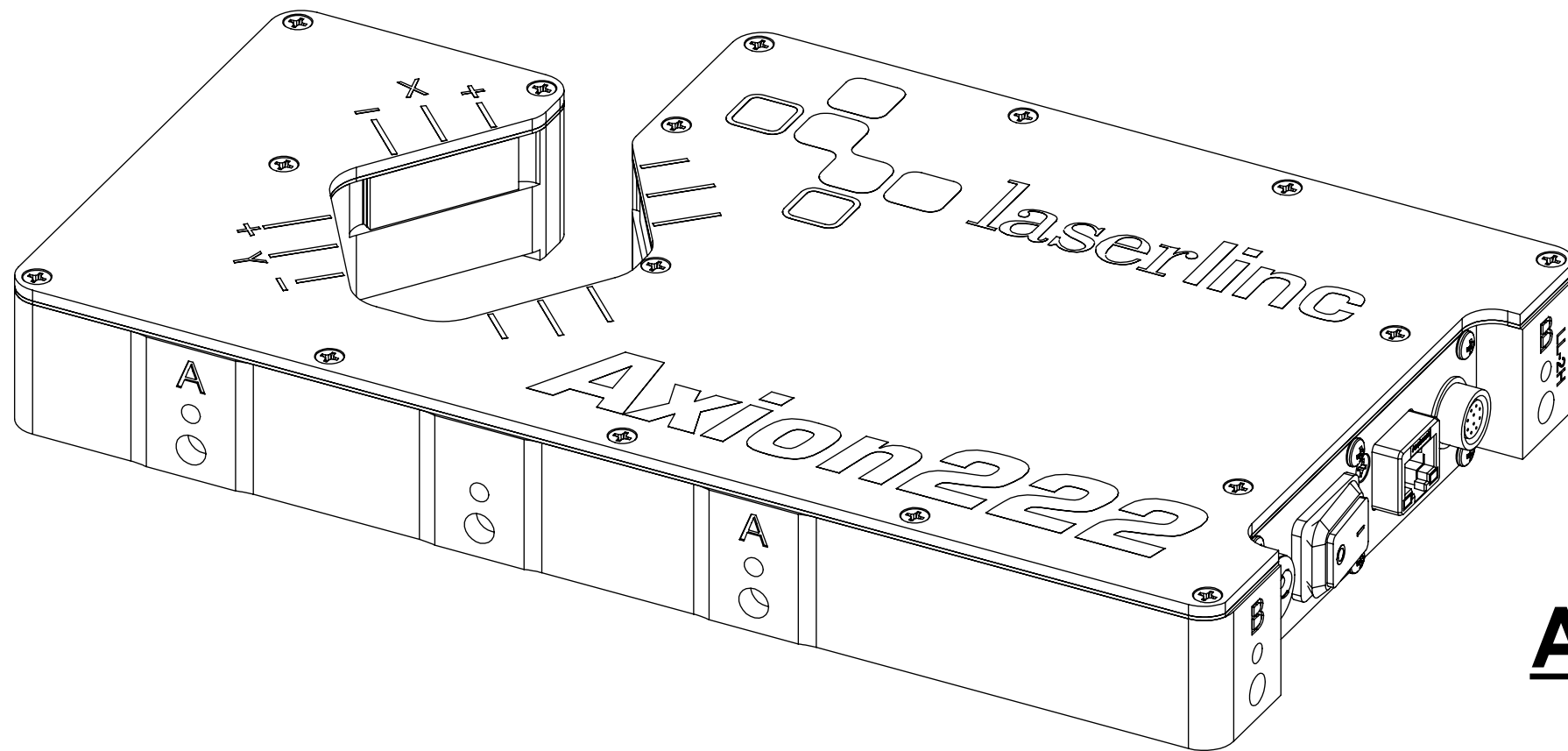
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2

1

REVISIONS


| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
|------|------|-------------|-----------|----------|
| | A | CHECK-IN | 12/6/2023 | EMM |



AXION222, DUAL-AXIS LE NETLINC MICROMETER

INDEX

- (1) COVER PAGE
- (2) BOM TABLE
- (3) WIRING INFORMATION & NOTES
- (4) LENS & MIRRORS
- (5) BOARDS & LASERS
- (6) MOUNT MOTOR
- (7) MOUNT GASKET & COVER
- (8) OVERVIEW
- (9) OVERALLS 1
- (10) OVERALLS 2

| | | | | |
|--|---|---|--------------------|---|
| GENERAL FINISH NOTE DE-BURR AND BREAK ALL SHARP EDGES BEFORE FINISH AND/OR SHIPPING | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: ANGLES ±.25° TWO PLACE DECIMAL ±0.010 THREE PLACE DECIMAL ±0.005 FOUR PLACE DECIMAL ±0.0005 UNMARKED FILLETS/CHAMFER .06 DE-BURR ALL PARTS | NAME EMM | DATE 12/06/2023 |  LASERLINC, INC. PHONE: 937-318-2440 INFO@LASERLINC.COM WWW.LASERLINC.COM |
| | PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LASERLINC, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LASERLINC, INC. IS PROHIBITED. | INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5 MATERIAL N/A FINISH N/A DO NOT SCALE DRAWING | DRAWN BY: EMM | |
| | | 63 RA SURFACE FINISH ALL FEATURES MUST MEET SPECIFICATION AFTER PLATING BEFORE POWDER-COAT IF PLATED OR POWDER-COATED SEE FINISH | | SIZE B |
| | | DWG. NO. 0222-0003-00 | | REV A |
| | | SCALE: 4:5 | | SHEET 1 OF 10 |

8

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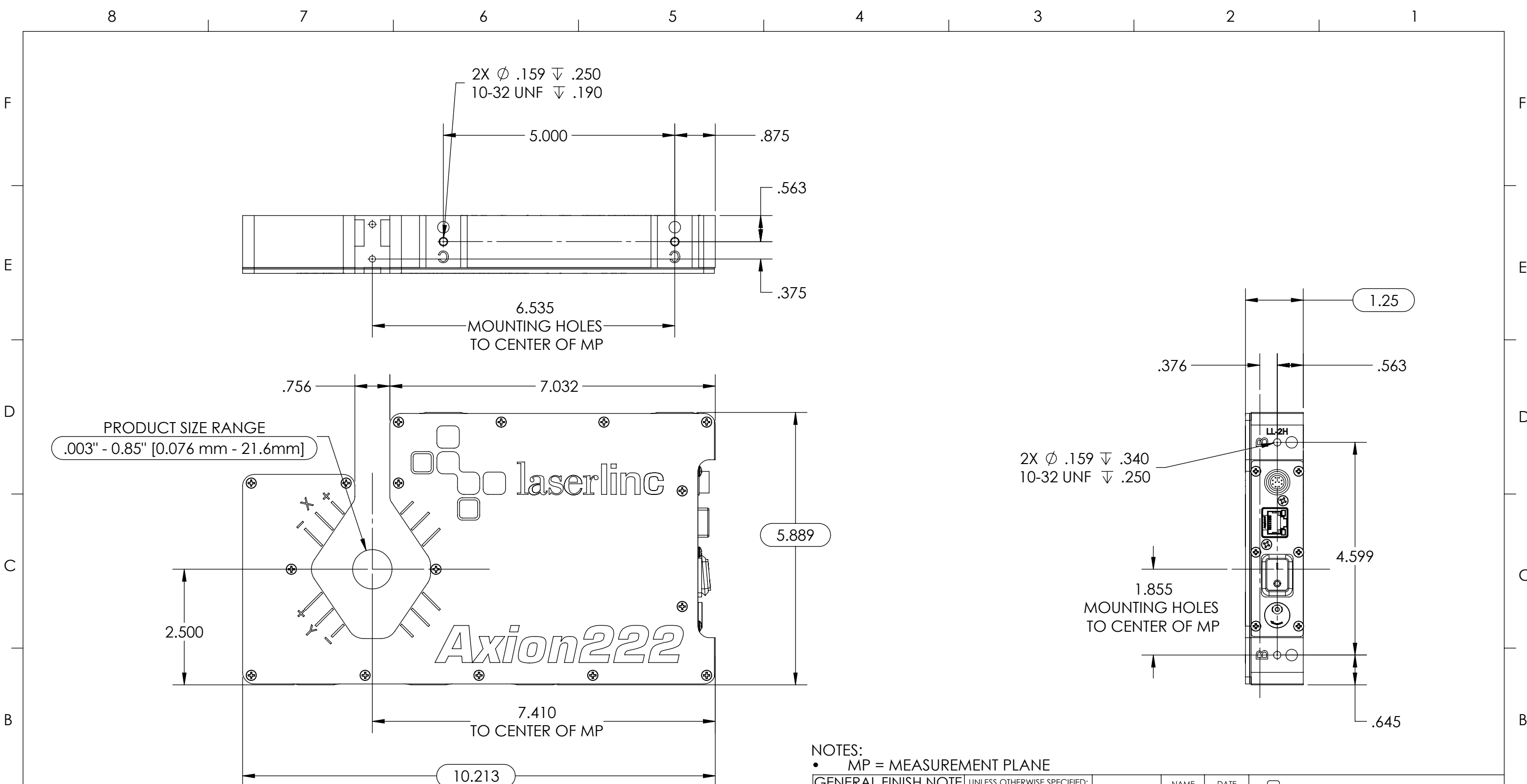
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1



PRODUCT SIZE RANGE
 .003" - 0.85" [0.076 mm - 21.6mm]

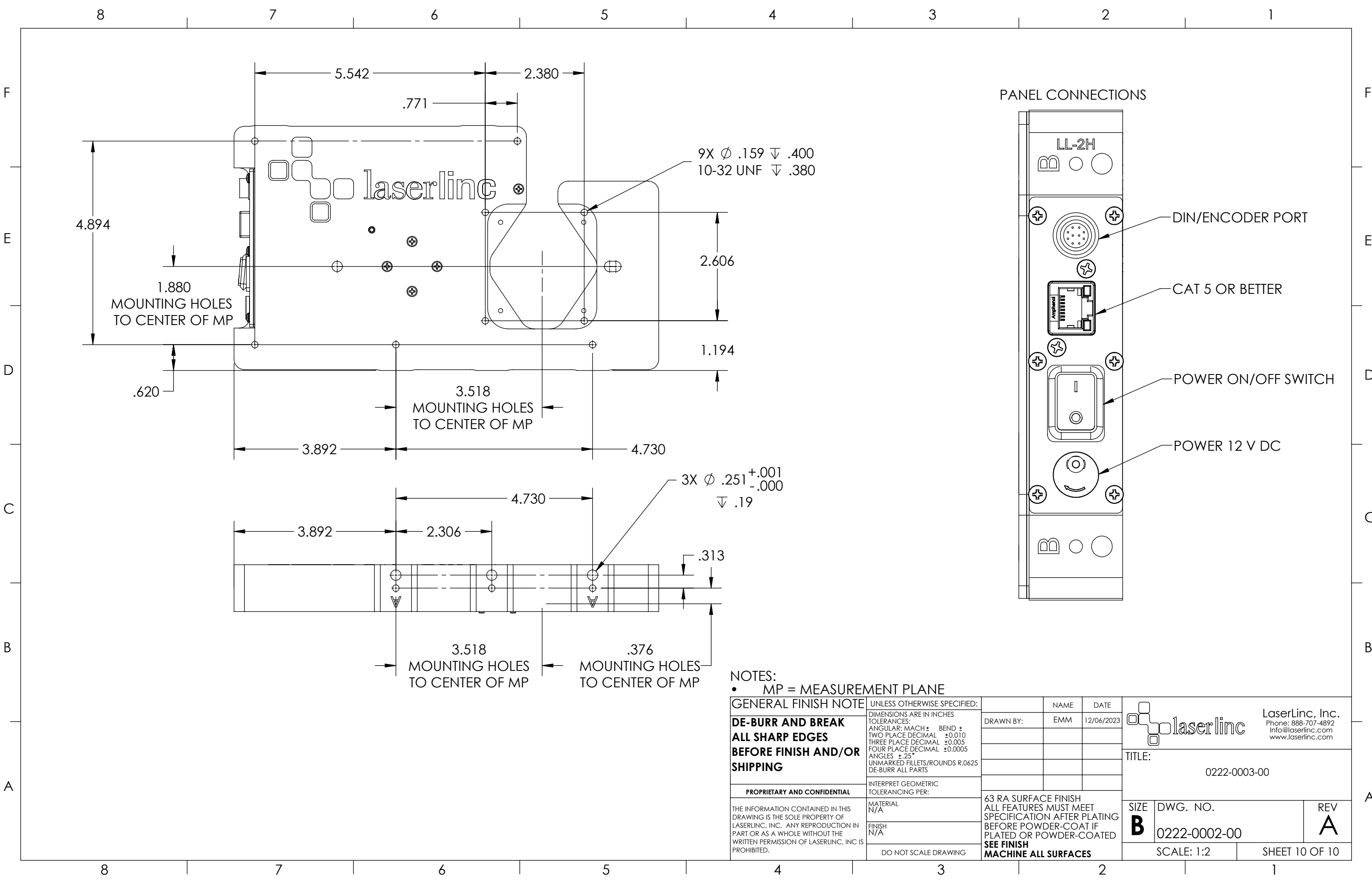
- NOTES:**
- APPROX. WEIGHT: 5 LBS [2.27 KG]
 - POWER REQUIREMENTS: 12VDC 125MA, +5VDC 75MA, -5VDC 50MA PROVIDED BY HOST PC OR EXTERNAL NETLINC
 - MEASUREMENTS PER SECOND (Hz): 800 [400 PER AXIS]
 - RESOLUTION: .000001" [.025µm]
 - REPEATABILITY² UNAVERAGED: ±.0001" [±2.5µm]
 - REPEATABILITY² TWO SECOND: ±.000005" [±.125µm]

NOTES:

- MP = MEASUREMENT PLANE

| | | | | | |
|--|--------------|---|--|---------------------------------|----------------|
| GENERAL FINISH NOTE | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE |
| DE-BURR AND BREAK ALL SHARP EDGES BEFORE FINISH AND/OR SHIPPING | | DIMENSIONS ARE IN INCHES TOLERANCES: | | DRAWN BY: | EMM 12/06/2023 |
| PROPRIETARY AND CONFIDENTIAL | | ANGULAR: MACH ± BEND ± | | | |
| THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LASERLINC, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LASERLINC, INC IS PROHIBITED. | | TWO PLACE DECIMAL ±0.010 | | | |
| | | THREE PLACE DECIMAL ±0.005 | | | |
| | | FOUR PLACE DECIMAL ±0.0005 | | | |
| | | ANGLES ±.25° | | | |
| | | UNMARKED FILLETS/ROUNDS R.0625 | | | |
| | | DE-BURR ALL PARTS | | | |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | | | |
| | | MATERIAL N/A | | | |
| | | FINISH N/A | | | |
| | | DO NOT SCALE DRAWING | | | |
| | | 63 RA SURFACE FINISH ALL FEATURES MUST MEET SPECIFICATION AFTER PLATING BEFORE POWDER-COAT IF PLATED OR POWDER-COATED | | SEE FINISH MACHINE ALL SURFACES | |
| | | TITLE: | | 0222-0003-00 | |
| SIZE | DWG. NO. | REV | | | |
| B | 0222-0002-00 | A | | | |
| SCALE: 1:2 | | SHEET 9 OF 10 | | | |

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 Phone: 888-707-4892
 info@laserlinc.com
 www.laserlinc.com



NOTES:
 • MP = MEASUREMENT PLANE

| | | | | | |
|---|--|--------------------------------------|--|--|-----------------------|
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| | | TWO PLACE DECIMAL ±0.010 | | | |
| | | THREE PLACE DECIMAL ±0.005 | | | |
| | | FOUR PLACE DECIMAL ±0.0005 | | | |
| | | ANGLES ±.25° | | | |
| | | UNMARKED FILLETS/ROUNDS R.0625 | | | |
| | | DE-BURR ALL PARTS | | | |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | | | |
| | | MATERIAL | | 63 RA SURFACE FINISH | |
| | | FINISH | | ALL FEATURES MUST MEET SPECIFICATION AFTER PLATING | |
| | | DO NOT SCALE DRAWING | | BEFORE POWDER-COAT IF PLATED OR POWDER-COATED | |
| | | | | SEE FINISH MACHINE ALL SURFACES | |
| | | | | TITLE: 0222-0003-00 | |
| | | | | SIZE B | DWG. NO. 0222-0002-00 |
| | | | | REV A | |
| | | | | SCALE: 1:2 | SHEET 10 OF 10 |

