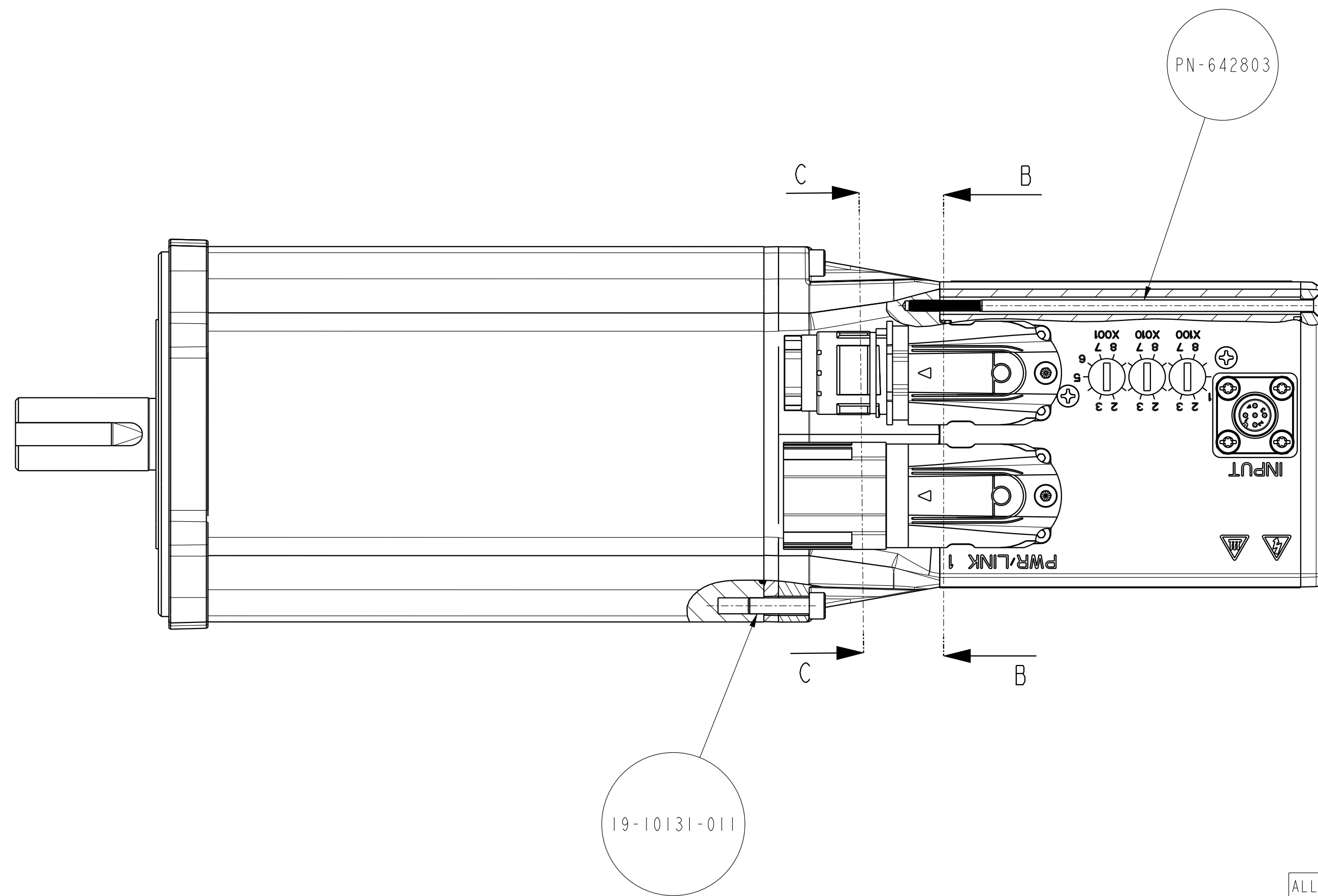
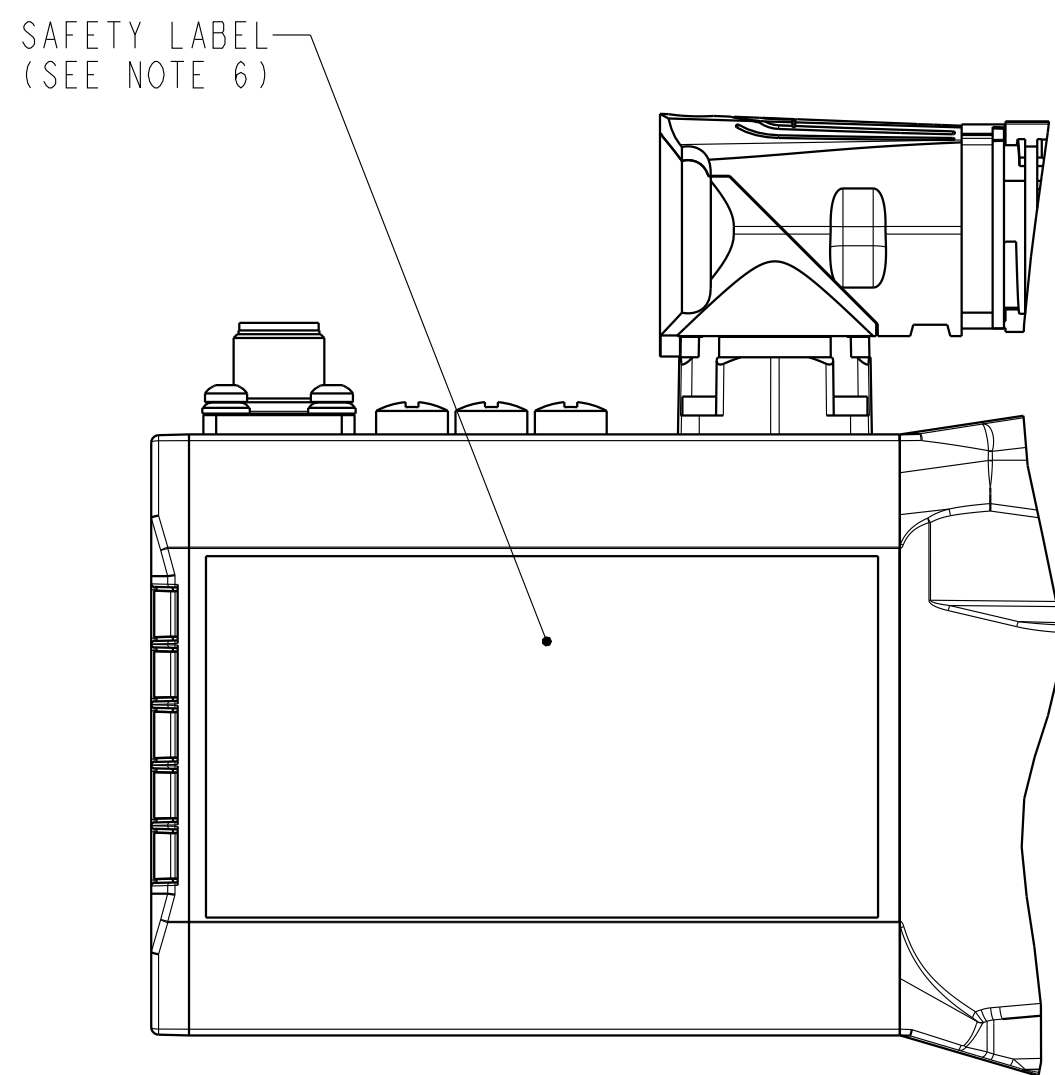
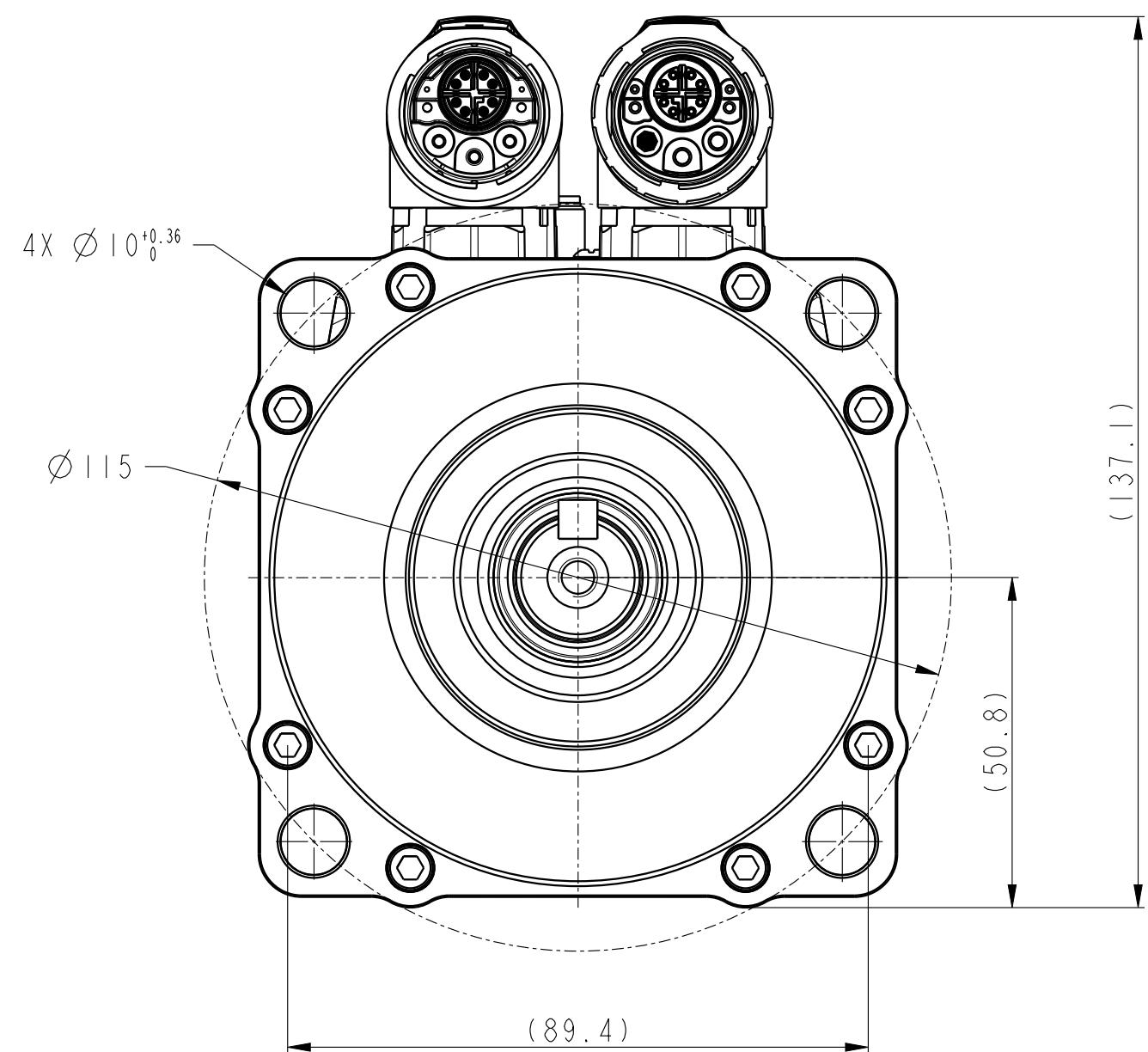
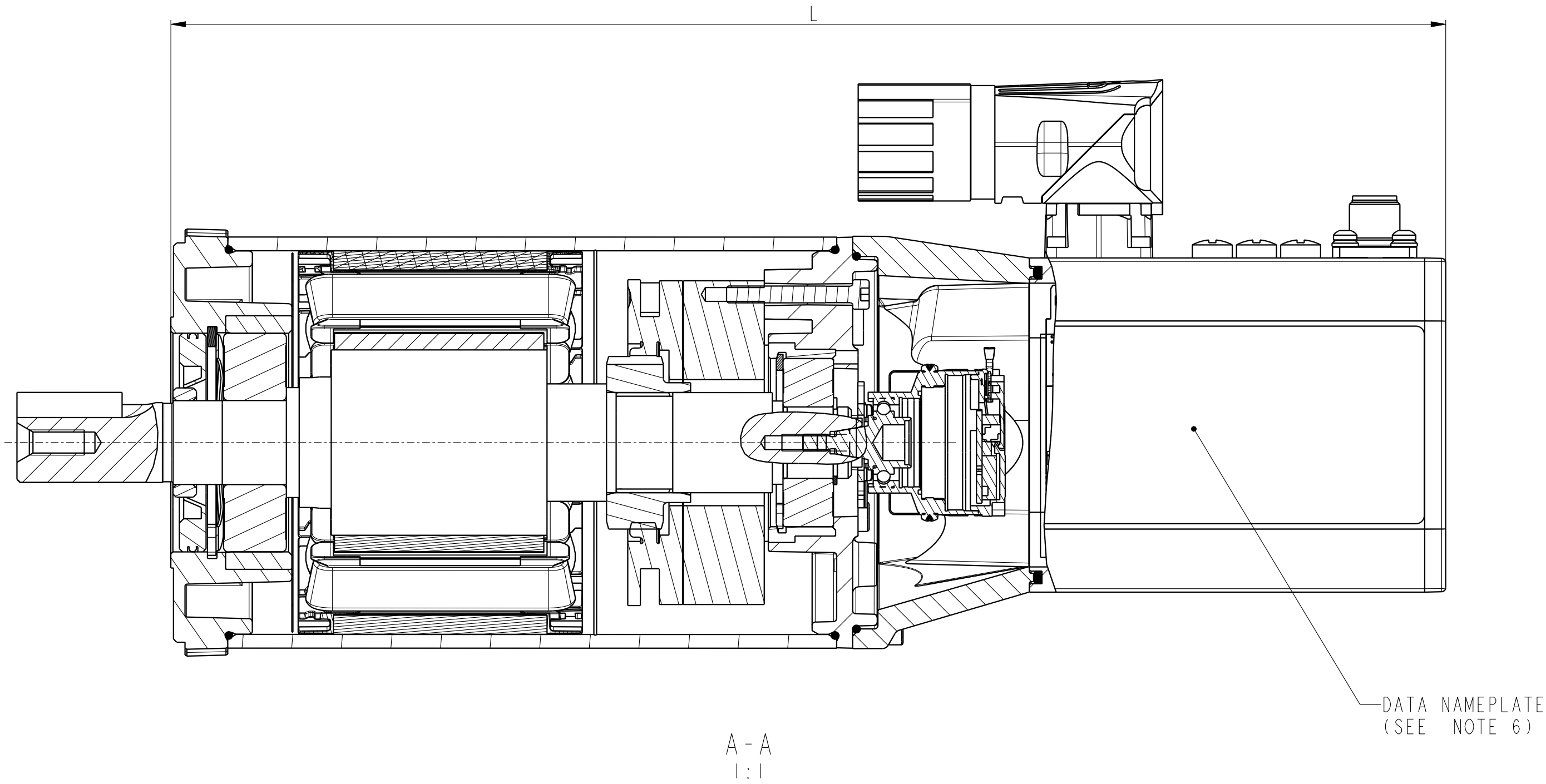
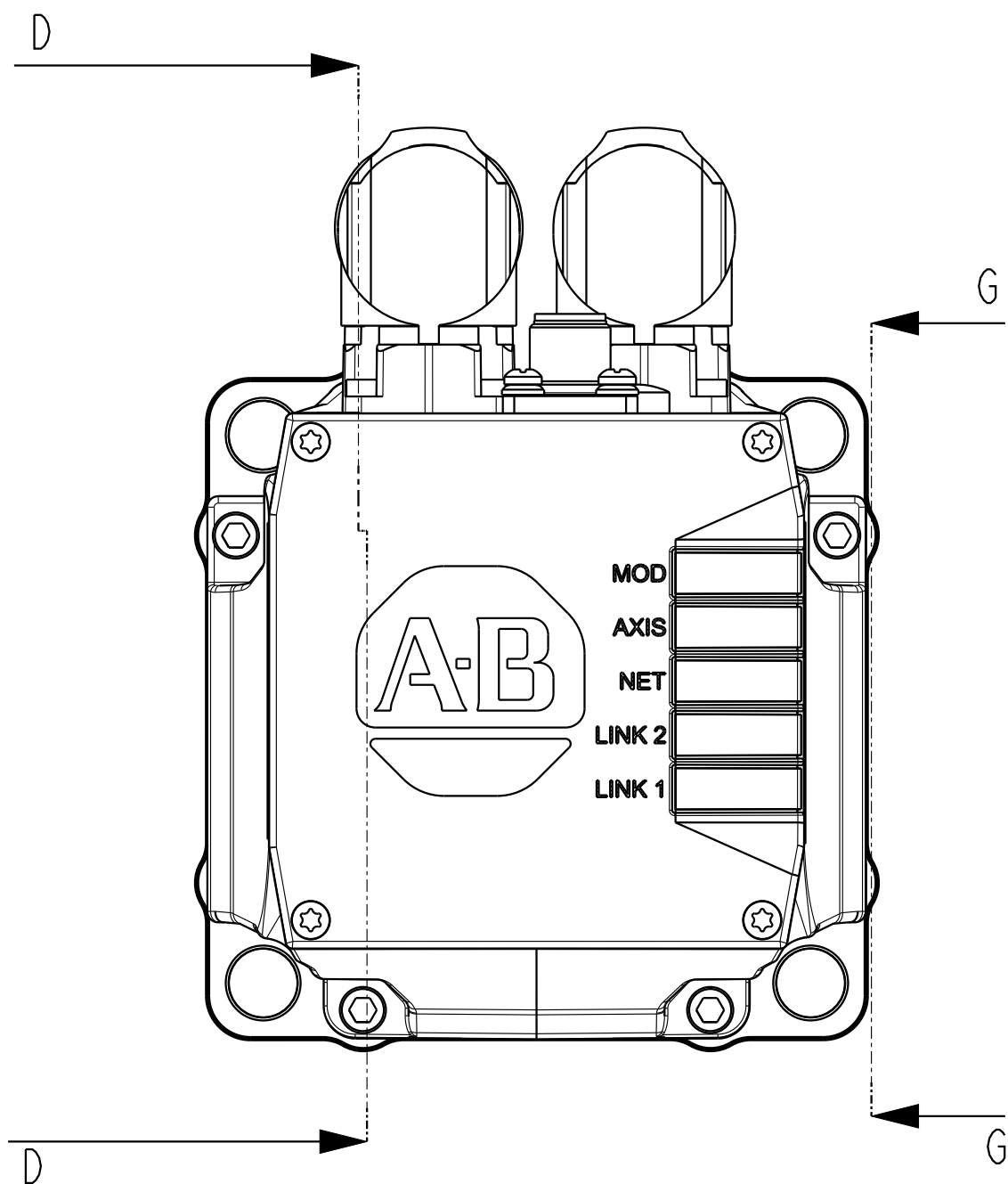


| TORQUE TABLE |                                         |              |                 |       |     |
|--------------|-----------------------------------------|--------------|-----------------|-------|-----|
| PART NO      | DESCRIPTION                             | TORQUE (N·M) | TORQUE (IN·LBS) | TOL ± | QTY |
| 19-10131-011 | SCREW,CAP,SOC,HEX,ST,8-32x0.75,CHMK     | 3.39         | 30              | 10%   | 4   |
| PN-642803    | SCREW,FLAT,6LOBE,ST,M3x0.5x107,ZN PLATE | 1.3          | 11.5            | 10%   | 4   |

| MOTOR MAGNET STACK LENGTH |  | L            | CRITICAL TO QUALITY CLASSIFICATION TABLE                                                                                                                                             |   |   |   |
|---------------------------|--|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|
| 2                         |  | 299.7        | P=PERFORMANCE, F=FIT, A=ASSEMBLY<br>X=IDENTIFIES APPLICABLE CLASSIFICATION(S)<br>⊕=ENGINEERING AND/OR MANUFACTURING REQUIREMENT<br>Ⓢ=REGULATORY REQUIREMENT-CONFORMANCE IS MANDATORY |   |   |   |
| 3                         |  | 325.0        |                                                                                                                                                                                      |   |   |   |
| COMMENTS                  |  | DRAWING ZONE | Ⓟ                                                                                                                                                                                    | Ⓛ | Ⓢ | Ⓢ |
| ROHS                      |  | H1           |                                                                                                                                                                                      |   |   | X |



- NOTES:
- 1) ASSEMBLE USING FIXTURE DIR 10006509034
  - 2) PACKAGE: PN-638985
  - 3) SHORTEST MOTOR STACK LENGTH SHOWN, SEE TABLE (ZONE A7) FOR ALL LENGTH VARIANTS
  - 4) VPL DRAWING: 10000182176
  - 5) DSx DRAWING: 10006487275
  - 6) LABELS AND MARKINGS PRINTED WITH DIGITAL INK JET

MUST COMPLY WITH ROCKWELL AUTOMATION ENVIRONMENTAL SPECIFICATION 970-20-01

G-G  
1:1

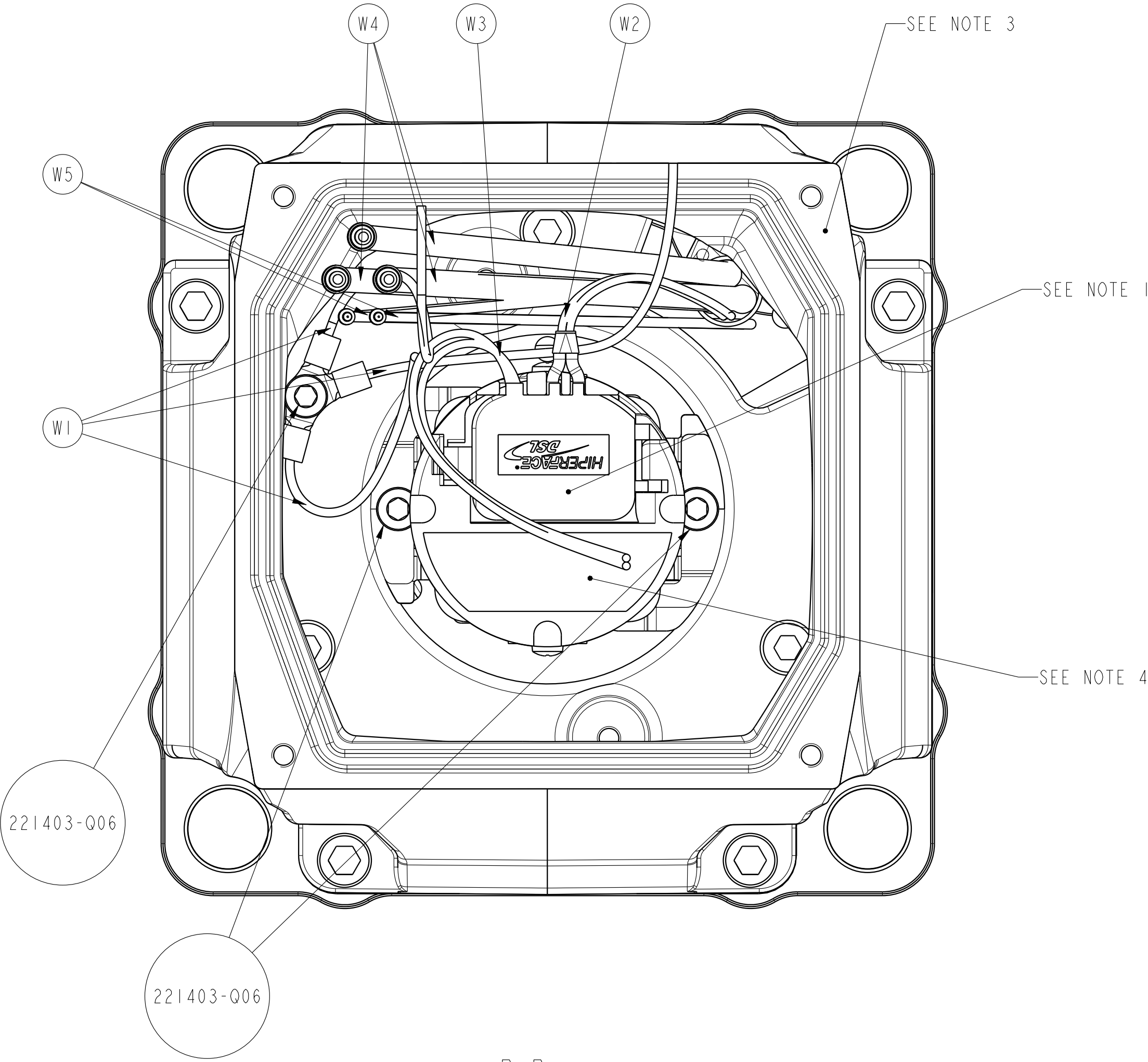
|                                                                                                                      |  |                            |  |                                                                                                                                                                                                                                                                       |              |
|----------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| ALL UNDIMENSIONED GEOMETRIES ARE CONTROLLED BY THE CAD MODEL. IN CASE OF DIMENSION DISCREPANCY, CAD MODEL OVERRIDES. |  | <b>Rockwell Automation</b> |  | CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS, EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC. |              |
| FIRST ANGLE PROJECTION                                                                                               |  | INSTR.DSM-115,BRAKE        |  | DATE:2023-02-17                                                                                                                                                                                                                                                       | SHEET 1 OF 2 |
|                                                                                                                      |  | *****                      |  | SIZE DIR                                                                                                                                                                                                                                                              | VER          |
| CREATED BY: JZBONEK                                                                                                  |  | CHANGED BY: FMACIEJOWSKI   |  | A1                                                                                                                                                                                                                                                                    | 10006790031  |
|                                                                                                                      |  |                            |  |                                                                                                                                                                                                                                                                       | 02           |

| TORQUE TABLE        |                                              |              |                 |       |     |
|---------------------|----------------------------------------------|--------------|-----------------|-------|-----|
| PART NO             | DESCRIPTION                                  | TORQUE (N·M) | TORQUE (IN·LBS) | TOL ± | QTY |
| 221403-Q06          | SCREW,CAP,SOC,6LOBE,CS,M3x0.5x6,THLK         | 0.8          | 7.1             | 10%   | 3   |
| PN-434221,PN-434220 | ENCODER 'P' / 'C' SHAFT MOUNTING THREAD      | 4.0          | 35.4            | 5%    | 1   |
| PN-W03597           | ENCODER 'T' SCREW,MACH,Cap,HEXALOB (TORX),SS | 3.1          | 27.4            | 10%   | 1   |
| PN-W03560           | ENCODER 'T' CAP SCREW T08                    | 0.5          | 4.4             | 10%   | 1   |

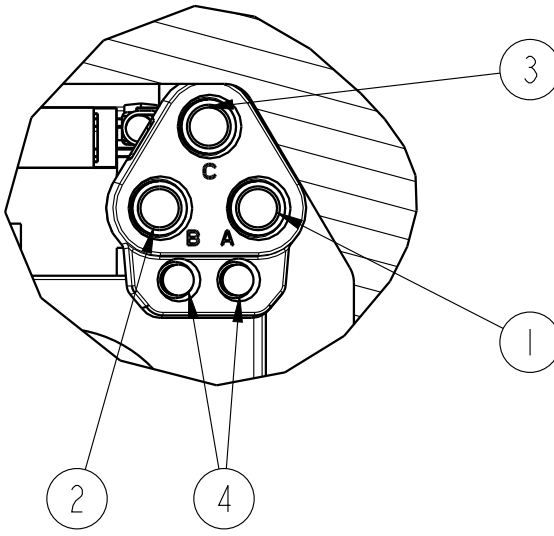
| DSM WIRES CONNECTIONS |       |           |         |
|-----------------------|-------|-----------|---------|
| DESCRIPTION           | FROM  | TO        | MARKING |
| GROUND WIRES          | DSX   | MOTOR     | W1      |
| THERMISTOR WIRES      | MOTOR | ENCODER   | W2      |
| FEEDBACK WIRES        | DSX   | ENCODER   | W3      |
| UVW WIRES             | MOTOR | PN-W01465 | W4      |
| BRAKE WIRES           | MOTOR | PN-W01465 | W5      |

| ENCODER SYMBOL | STANDART/SAFETY | ENCODER PN |
|----------------|-----------------|------------|
| C              | STANDARD        | PN-434221  |
| P              | STANDARD        | PN-434220  |
| T              | SAFETY          | PN-W03560  |

| CRITICAL TO QUALITY CLASSIFICATION TABLE                                                                                                                                             |              |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|---|---|
| P=PERFORMANCE, F=FIT, A=ASSEMBLY<br>X=IDENTIFIES APPLICABLE CLASSIFICATION(S)<br>⊕=ENGINEERING AND/OR MANUFACTURING REQUIREMENT<br>Ⓢ=REGULATORY REQUIREMENT-CONFORMANCE IS MANDATORY |              |   |   |   |
| COMMENTS                                                                                                                                                                             | DRAWING ZONE | Ⓢ | Ⓢ | Ⓢ |
| ROHS                                                                                                                                                                                 | H1           |   |   | X |
| NOTE 3                                                                                                                                                                               | G6           | X |   |   |

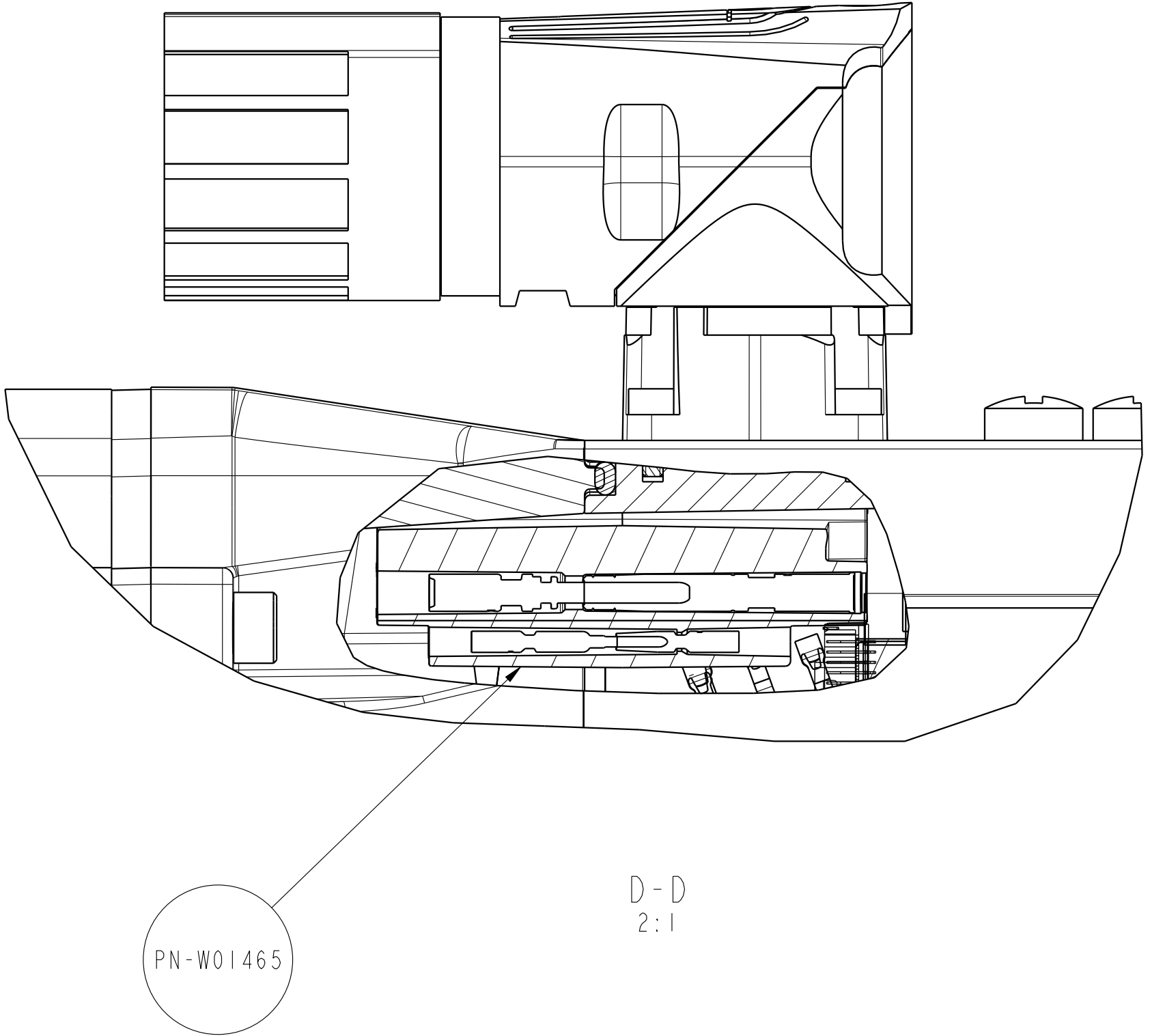


B-B  
2:1

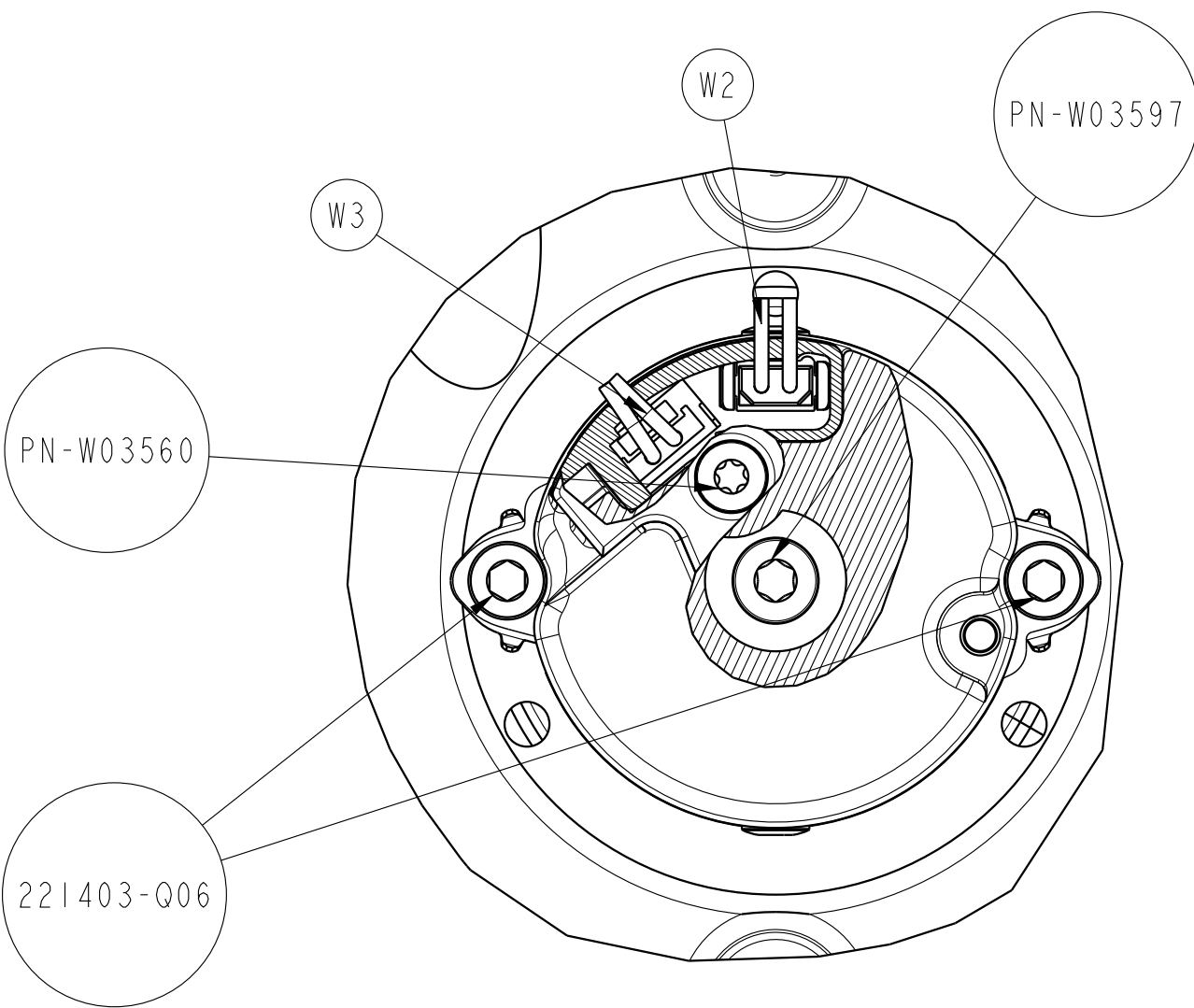


C-C  
2:1

| PN-W01465 CONNECTIONS |          |       |              |
|-----------------------|----------|-------|--------------|
| NO                    | FUNCTION | COLOR | SLOT MARKING |
| 1                     | U        | RED   | A            |
| 2                     | V        | BLACK | B            |
| 3                     | W        | BLUE  | C            |
| 4                     | BRAKE    | WHITE | NONE         |



D-D  
2:1



ENCODER 'T'  
2:1

- NOTES:
- 1) OPEN ENCODER COVER AND CONNECT THERMISTOR WIRES (W2) AND FEEDBACK WIRES (W3)
  - 2) INSERT WIRES TO ENCODER SLOT CAREFULLY, DO NOT BEND
  - Ⓢ3) PAINT SHALL NOT BE ON THIS SURFACE
  - 4) ENCODER 'C'/'P' SHOWN, SEE TABLE (ZONE A7) FOR ALL ENCODER MODELS

|             |                                                                                                                  |  |                                                                                                                                                                                                                                                                                      |  |              |
|-------------|------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|
| DESCRIPTION |  <b>Rockwell Automation</b> |  | CONFIDENTIAL AND PROPRIETARY INFORMATION.<br>THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY<br>INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY<br>NOT BE USED, COPIED OR DISCLOSED TO OTHERS, EXCEPT<br>WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL<br>AUTOMATION, INC. |  |              |
|             | INSTR.DSM-115,BRAKE                                                                                              |  | DATE:2023-02-17                                                                                                                                                                                                                                                                      |  | SHEET 2 OF 2 |
|             | *****<br>*****                                                                                                   |  | SIZE DIR                                                                                                                                                                                                                                                                             |  | VER          |
|             | CREATED BY:JZDONEK                                                                                               |  | CHANGED BY:FMACIEJOWSKI                                                                                                                                                                                                                                                              |  |              |
|             | A1                                                                                                               |  | 10006790031                                                                                                                                                                                                                                                                          |  | 02           |