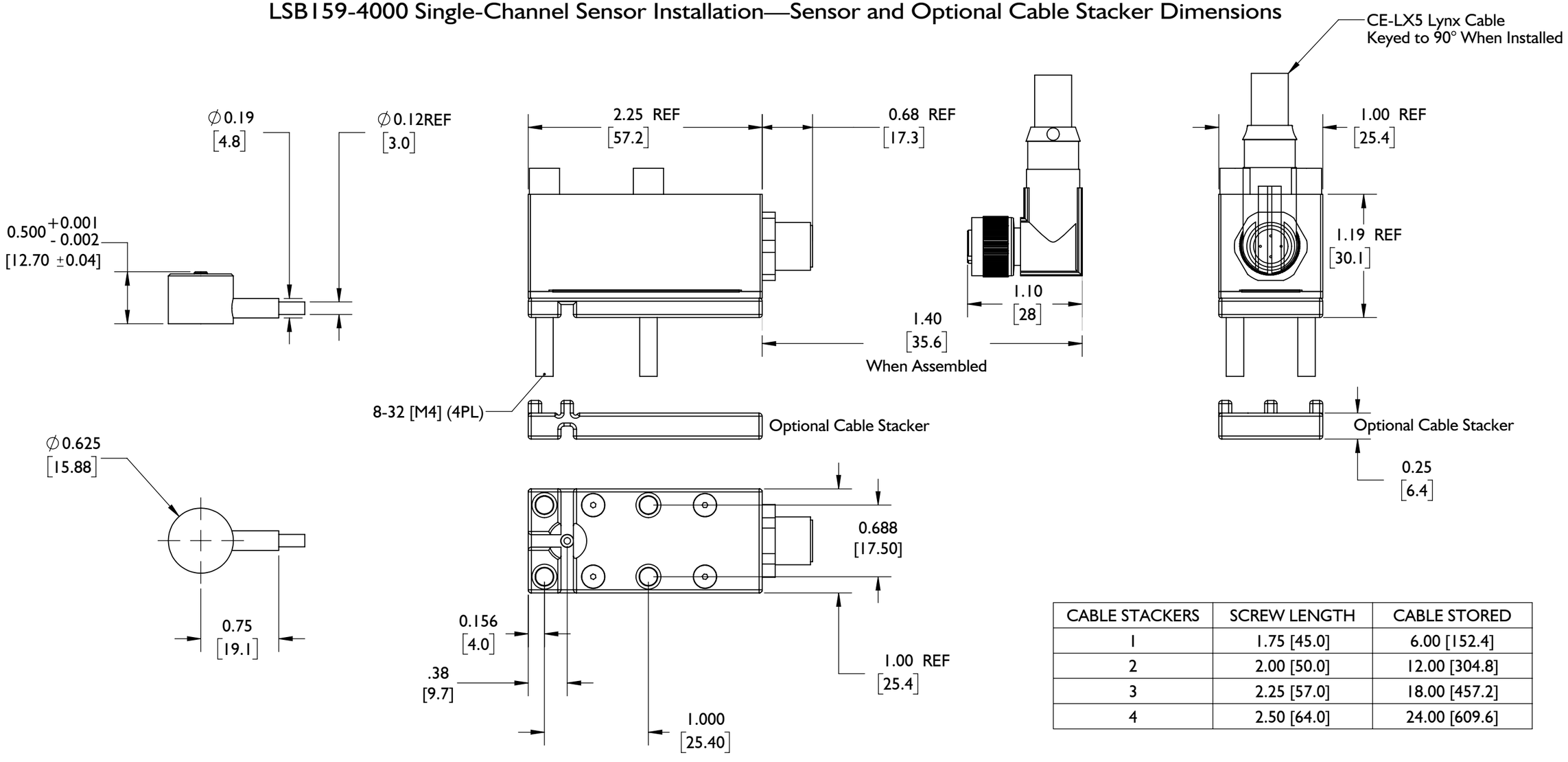
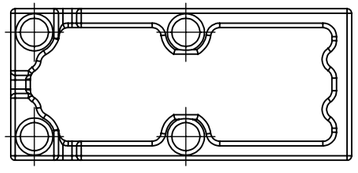
Drawing Title: LSB159-4000-01

LSB159-4000 Single-Channel Sensor Installation—Sensor and Optional Cable Stacker Dimensions



CABLE STACKERS	SCREW LENGTH	CABLE STORED
1	1.75 [45.0]	6.00 [152.4]
2	2.00 [50.0]	12.00 [304.8]
3	2.25 [57.0]	18.00 [457.2]
4	2.50 [64.0]	24.00 [609.6]



Optional Cable Stacker accomodates up to 4.0" [101.6] of extra cable.

NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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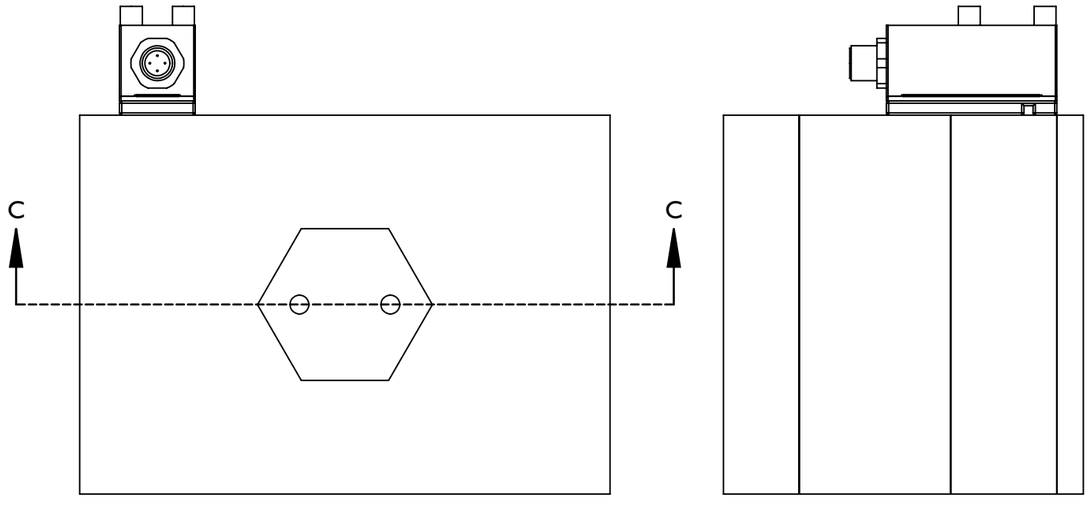
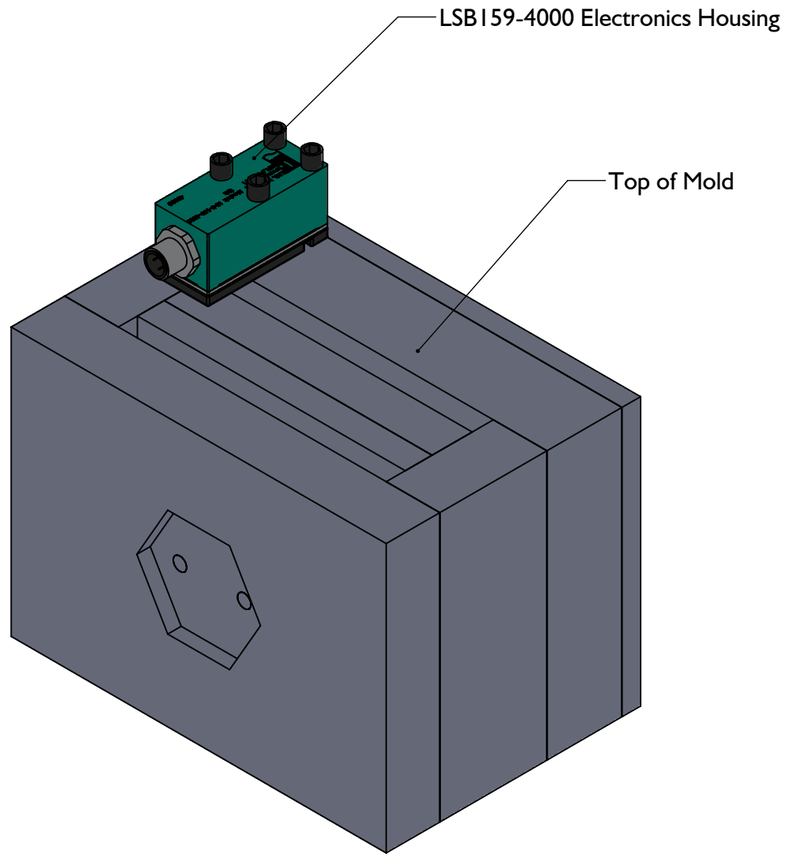
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

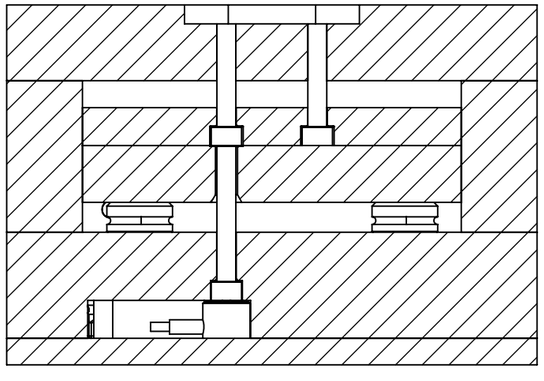
Drawing Title: LSB159-4000-02

LSB159-4000 Single-Channel Sensor Installation—Clamp Plate Installation

CLAMP PLATE INSTALLATION FOR PINS ≤ Ø0.25 [7.0]; PINS > Ø0.25 [7.0] USE HEAD-TO-HEAD INSTALLATION ON SHEET LSB159-40000-04 & -05.







SECTION C-C
SCALE 1 : 2

NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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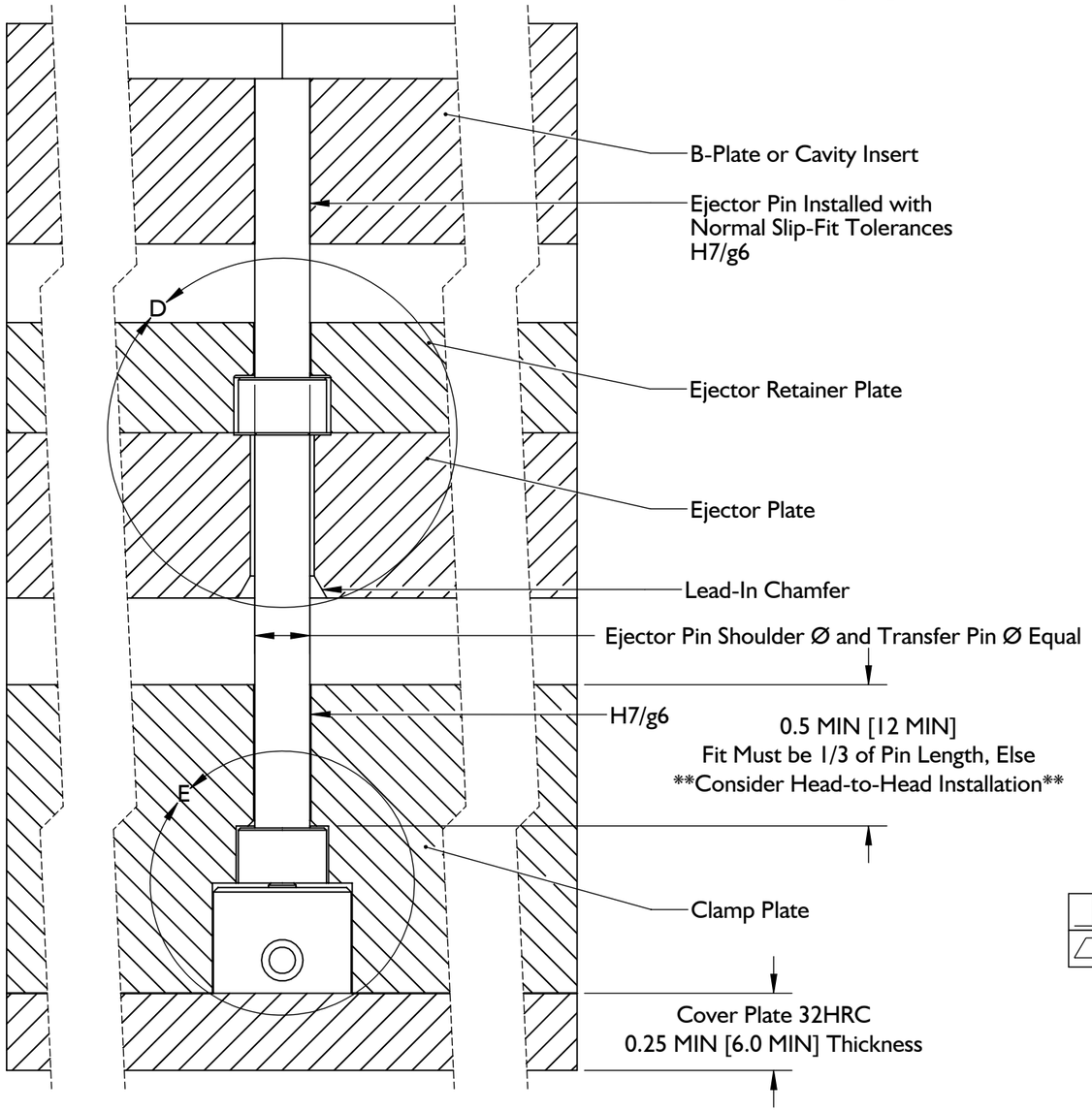
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

Drawing Title: LSB159-4000-03

LSB159-4000 Single-Channel Sensor Installation—Clamp Plate Installation

CLAMP PLATE INSTALLATION FOR PINS ≤ Ø0.25 [7.0]; PINS > Ø0.25 [7.0] USE HEAD-TO-HEAD INSTALLATION ON SHEET LSB159-40000-04 & -05.



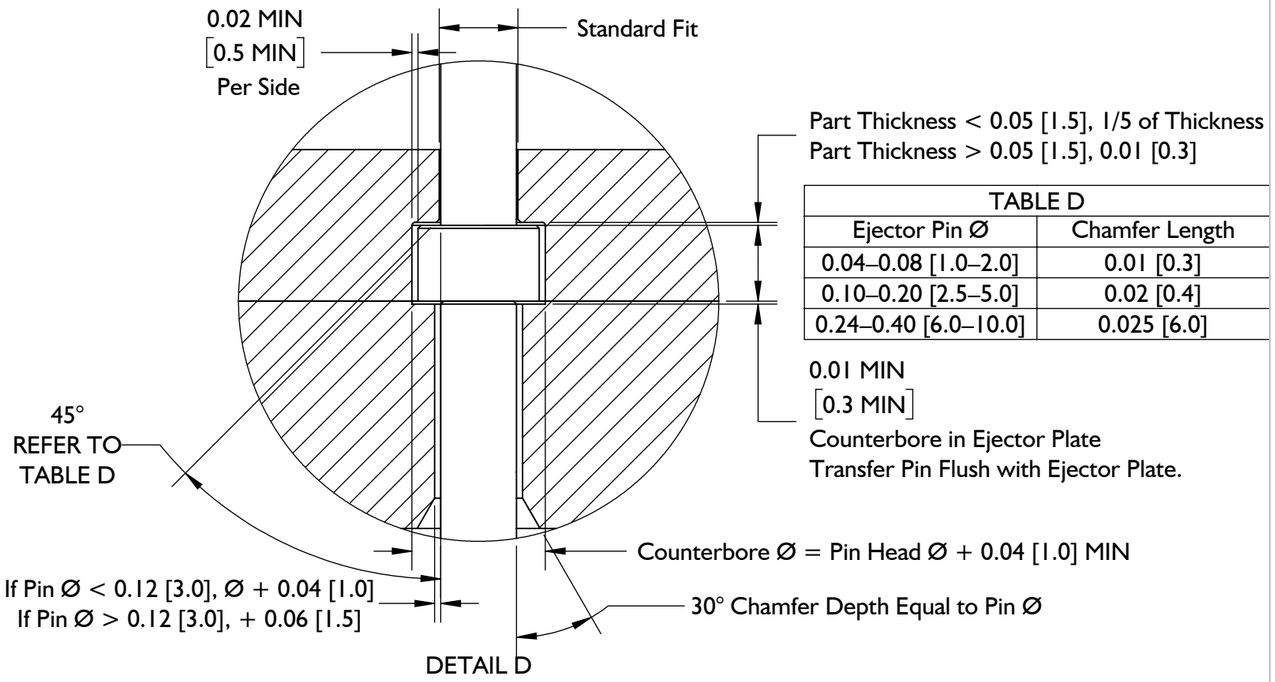
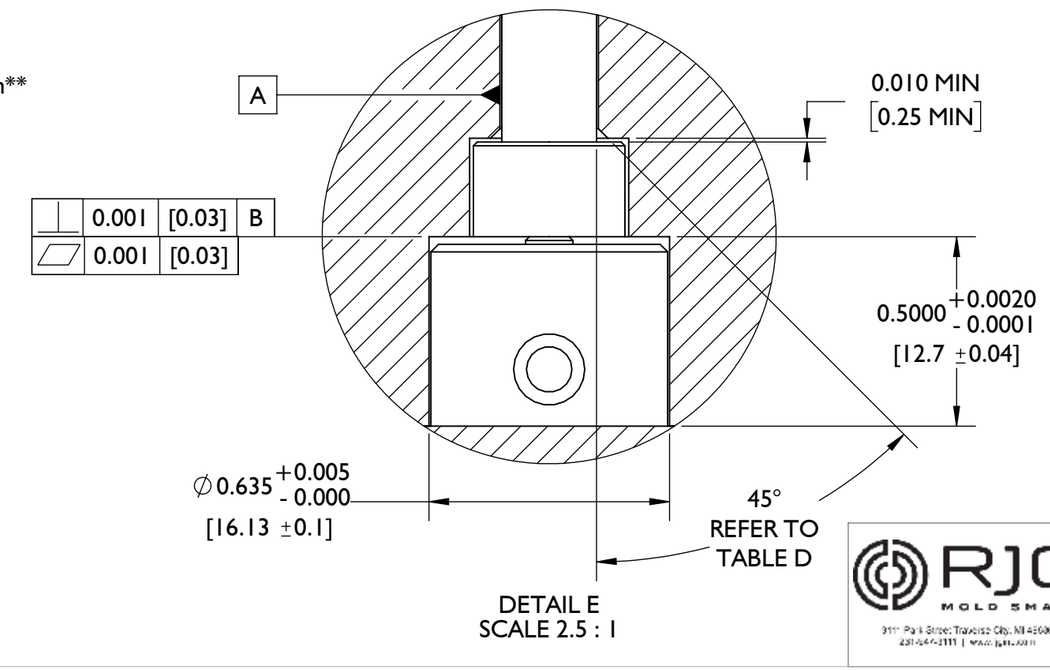


TABLE D	
Ejector Pin Ø	Chamfer Length
0.04–0.08 [1.0–2.0]	0.01 [0.3]
0.10–0.20 [2.5–5.0]	0.02 [0.4]
0.24–0.40 [6.0–10.0]	0.025 [6.0]



NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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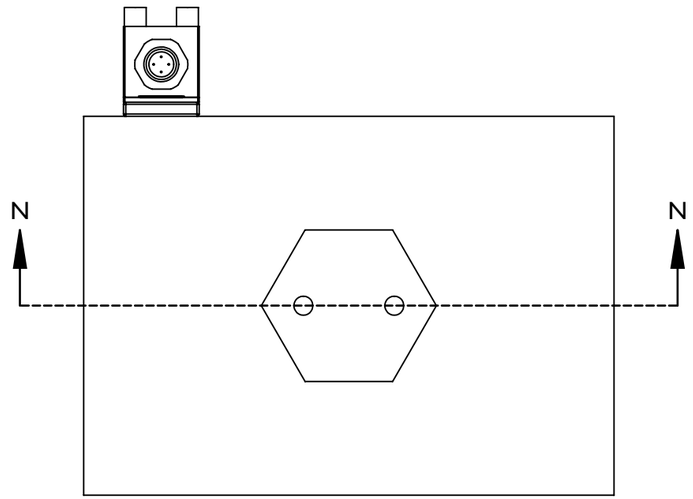
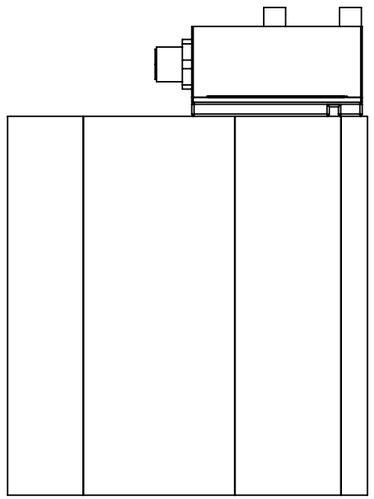
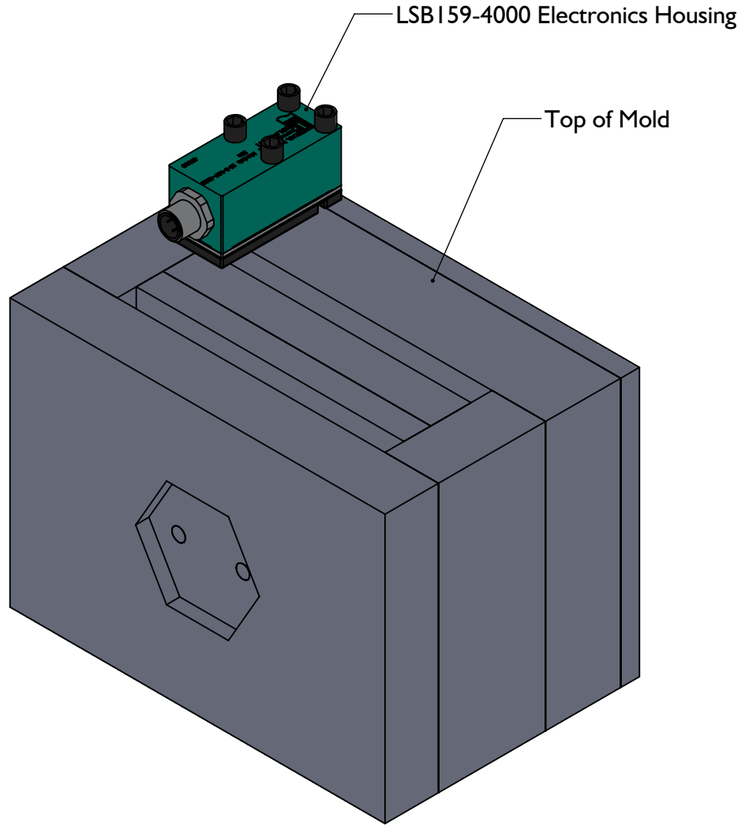
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

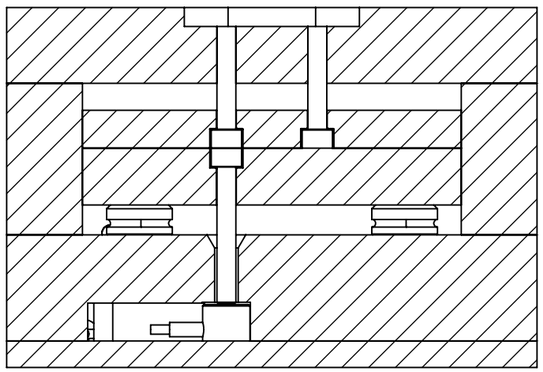
Drawing Title: LSB159-4000-04

LSB159-4000 Single-Channel Sensor Installation—Head-to-Head Installation
CLAMP PLATE INSTALLATION FOR PINS ≤ Ø0.25 [7.0]; PINS > Ø0.25 [7.0] USE HEAD-TO-HEAD INSTALLATION.









SECTION N-N
SCALE 1 : 2

NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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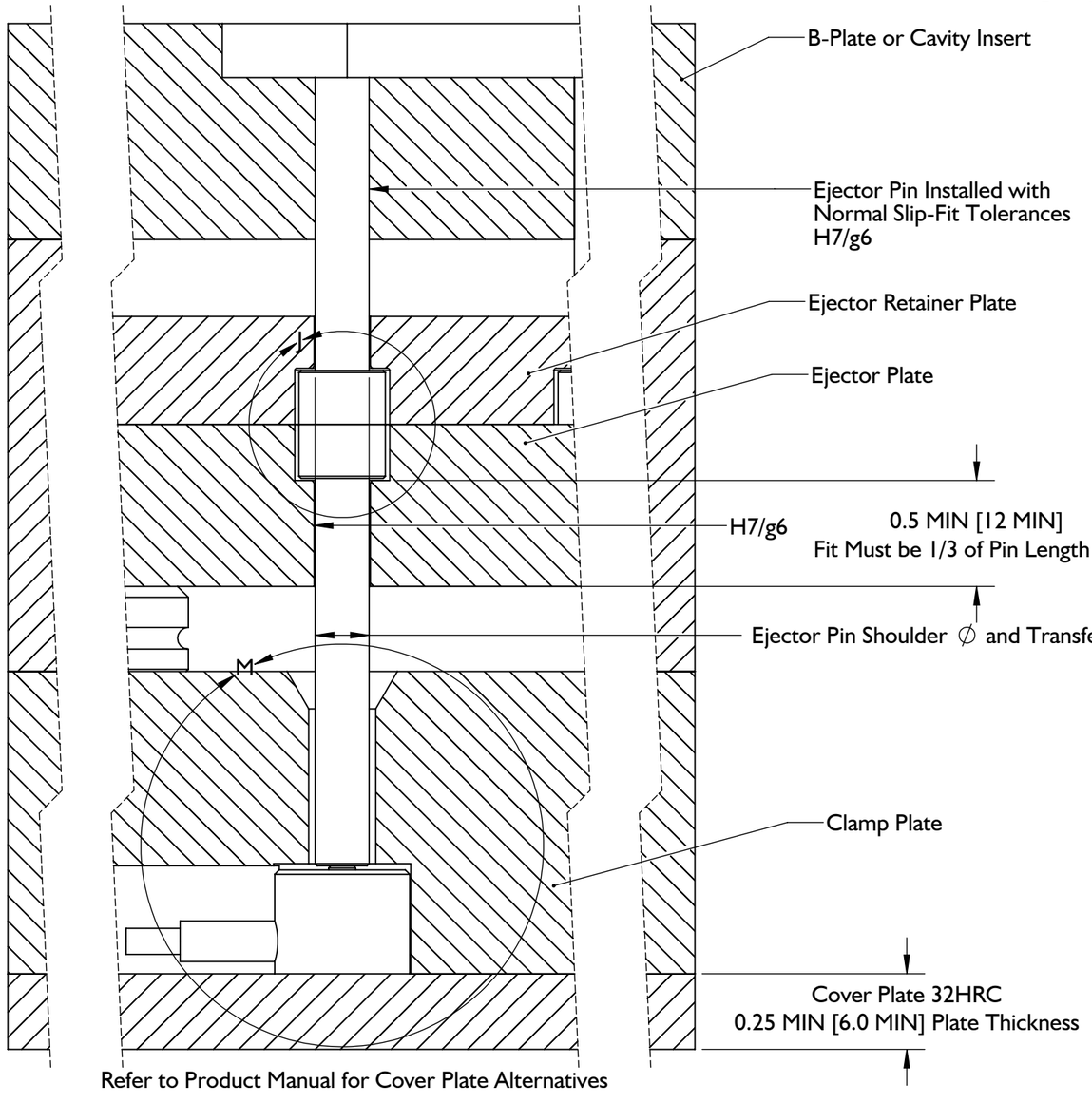
Description: LSB159-4000 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 11.18.2021

Drawing Title: LSB159-4000-05

LSB159-4000 Single-Channel Sensor Installation—Head-to-Head Installation

CLAMP PLATE INSTALLATION FOR PINS ≤ Ø0.25 [7.0]; PINS > Ø0.25 [7.0] USE HEAD-TO-HEAD INSTALLATION.



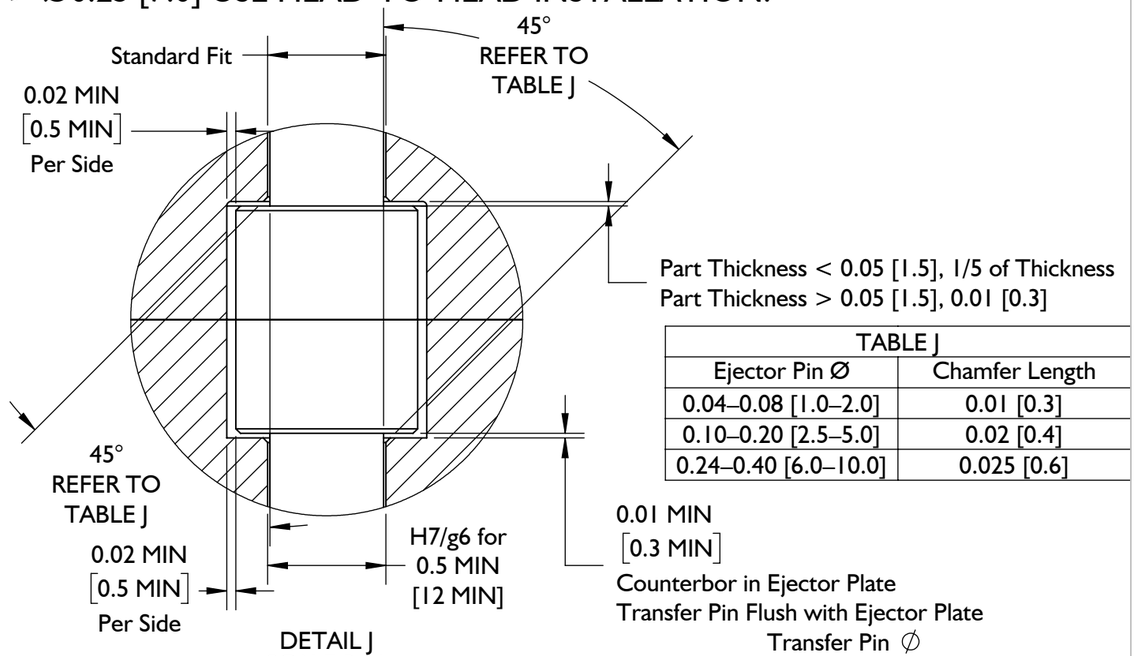
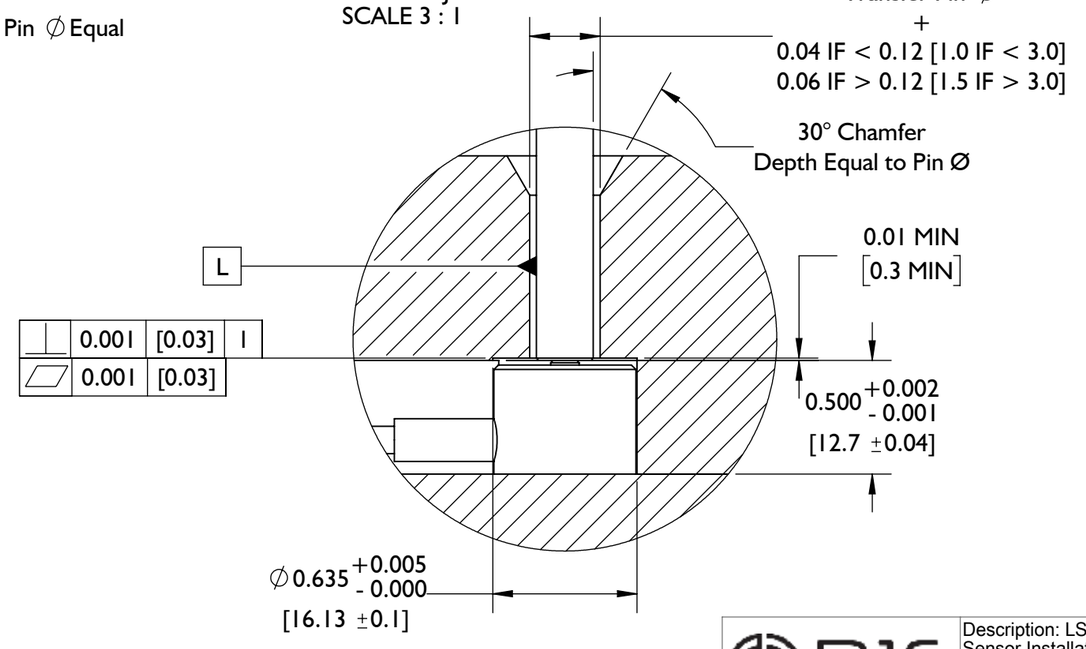


TABLE J	
Ejector Pin Ø	Chamfer Length
0.04–0.08 [1.0–2.0]	0.01 [0.3]
0.10–0.20 [2.5–5.0]	0.02 [0.4]
0.24–0.40 [6.0–10.0]	0.025 [0.6]

DETAIL J
SCALE 3 : 1



DETAIL M
SCALE 1.5 : 1

NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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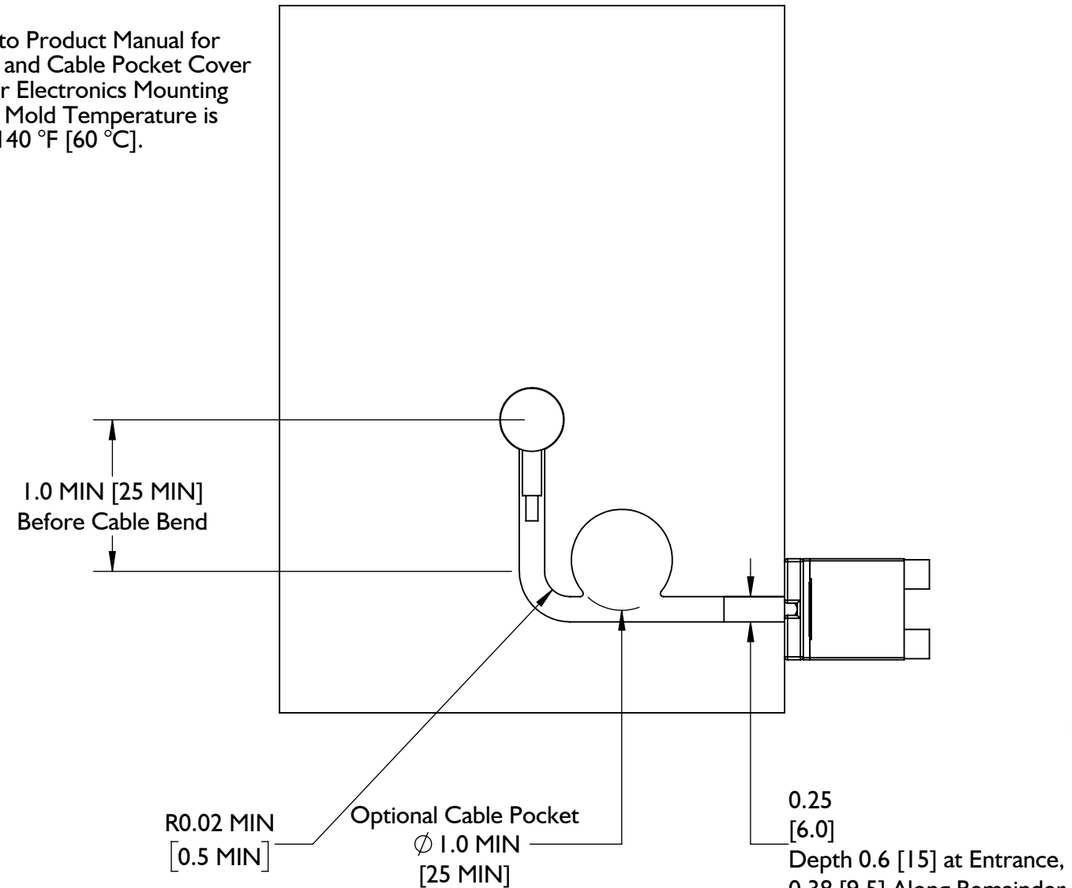
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

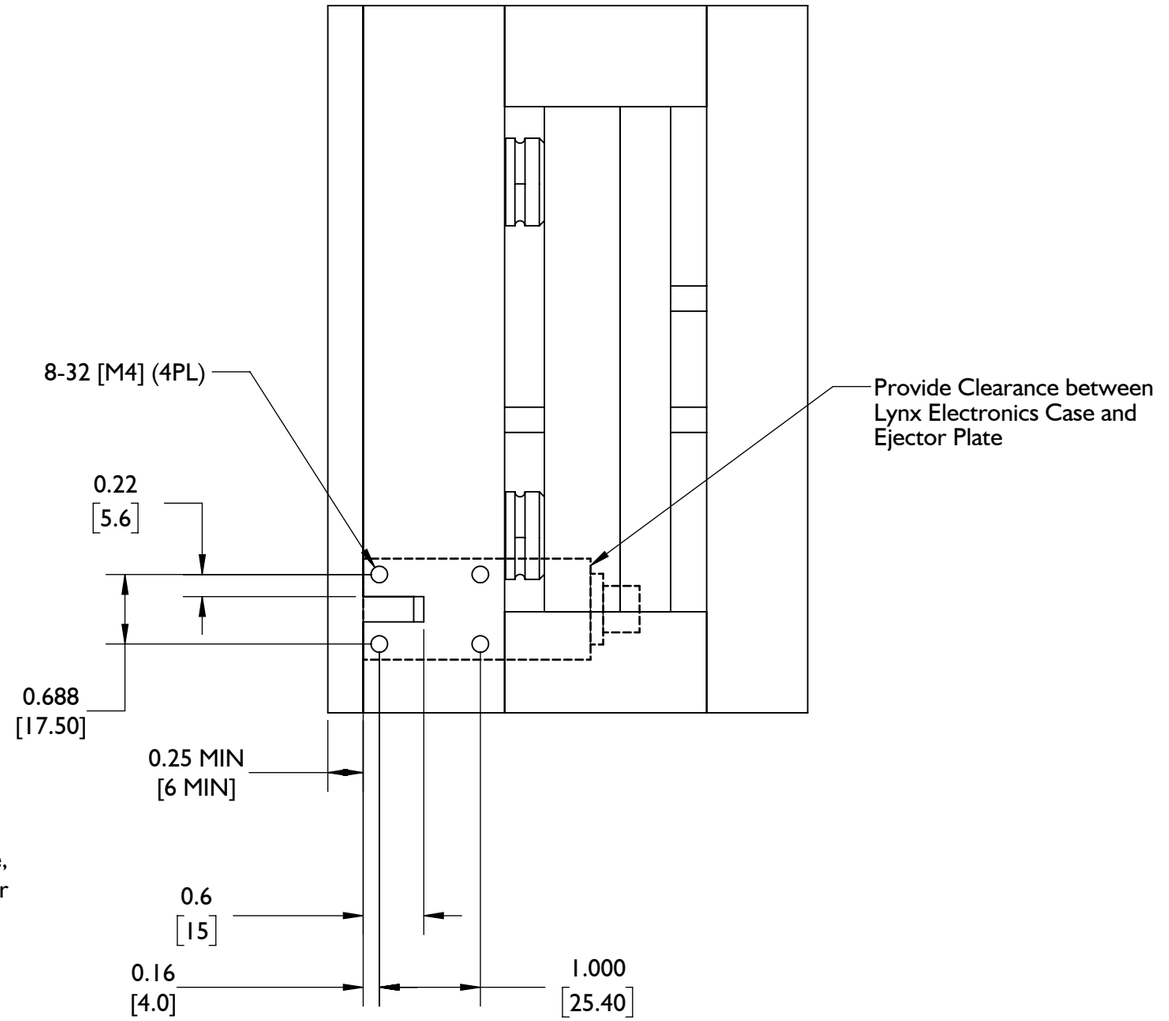
Drawing Title: LSB159-4000-06

LSB159-4000 Single-Channel Sensor Installation—Clamp Plate/Head-to-Head Installation

NOTE: Lynx sensor electronics case mounted in the orientation shown as to allow access to the Lynx cable connection.
Refer to Product Manual for alternate electronics case mounting options.

NOTE: Refer to Product Manual for Cable Channel and Cable Pocket Cover Options and for Electronics Mounting Options When Mold Temperature is Greater Than 140 °F [60 °C].





NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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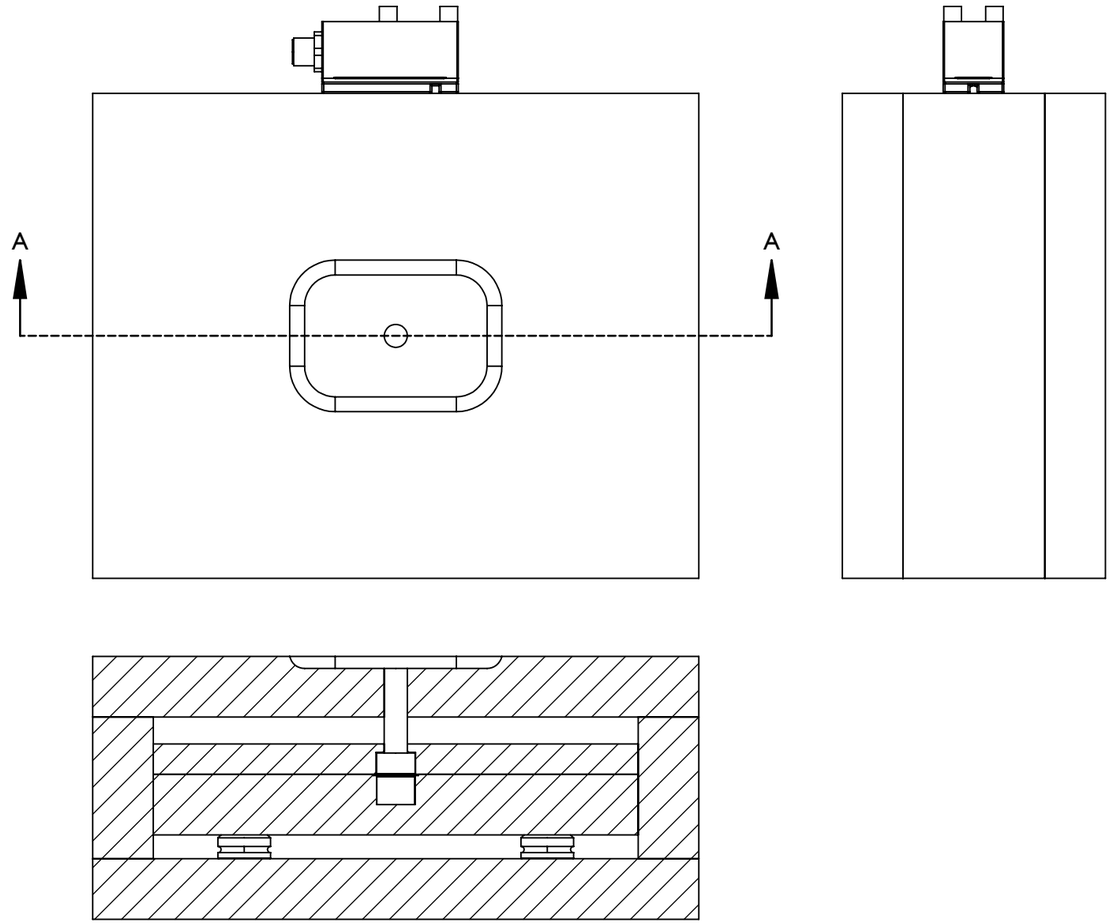
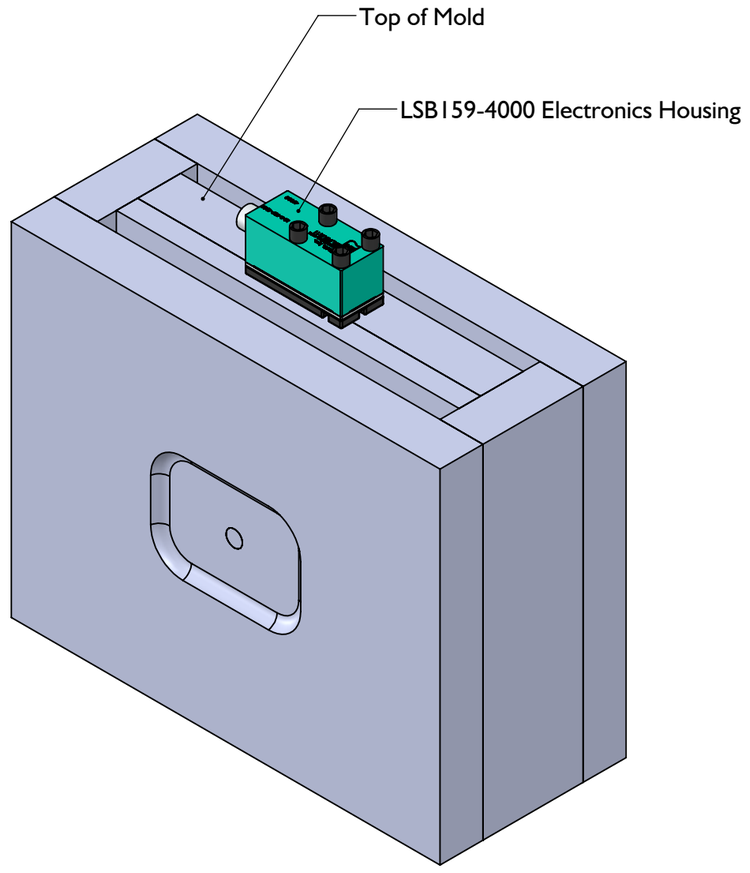
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

Drawing Title: LSB159-4000-07

LSB159-4000 Single-Channel Sensor Installation—Ejector Plate Installation





SECTION A-A
SCALE 1 : 2.5

NOTES:
1. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
2. DO NOT SCALE PRINT
3. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
5. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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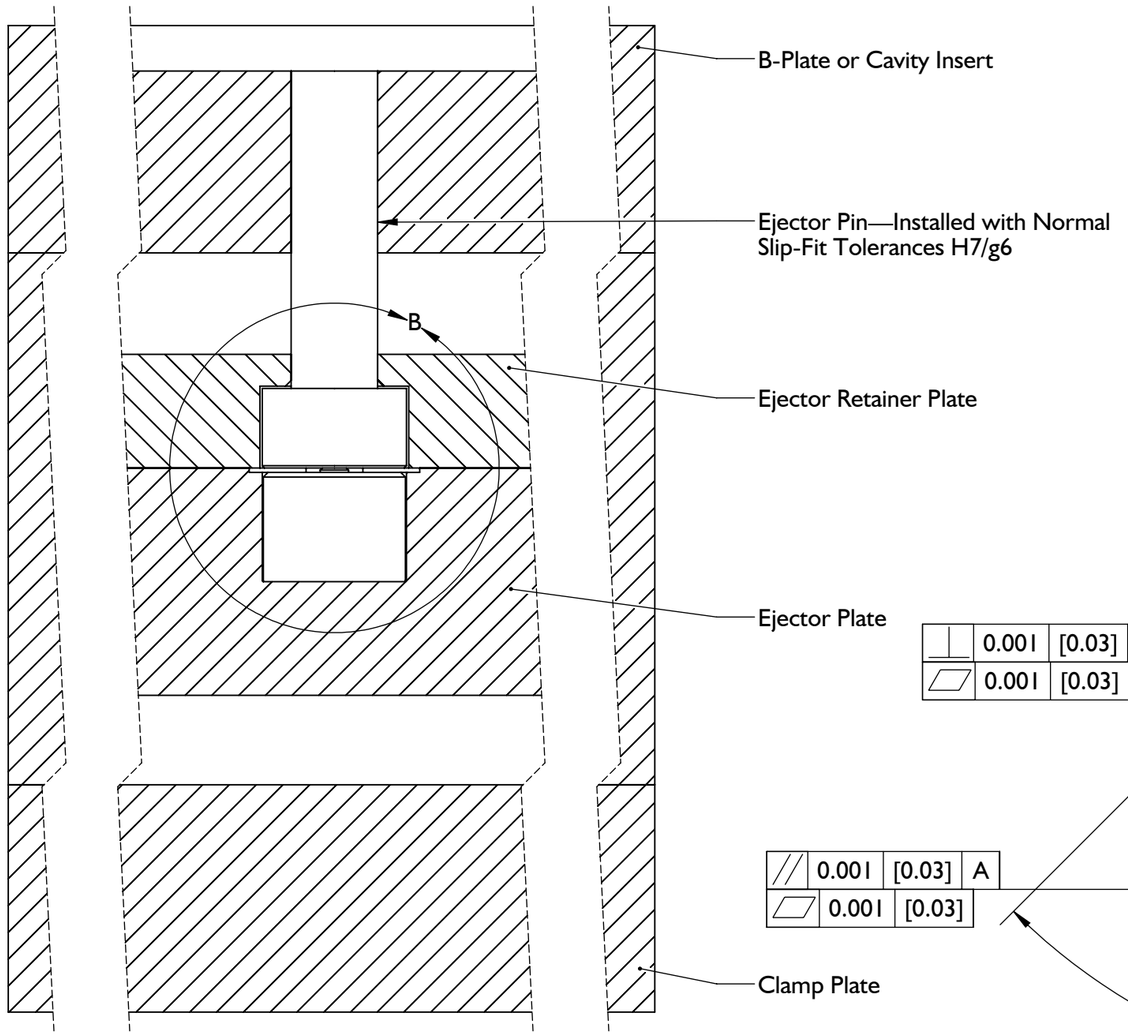
Description: LSB159-4000 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 11.18.2021

Drawing Title: LSB159-4000-08

LSB159-4000 Single-Channel Sensor Installation—Ejector Plate Installation



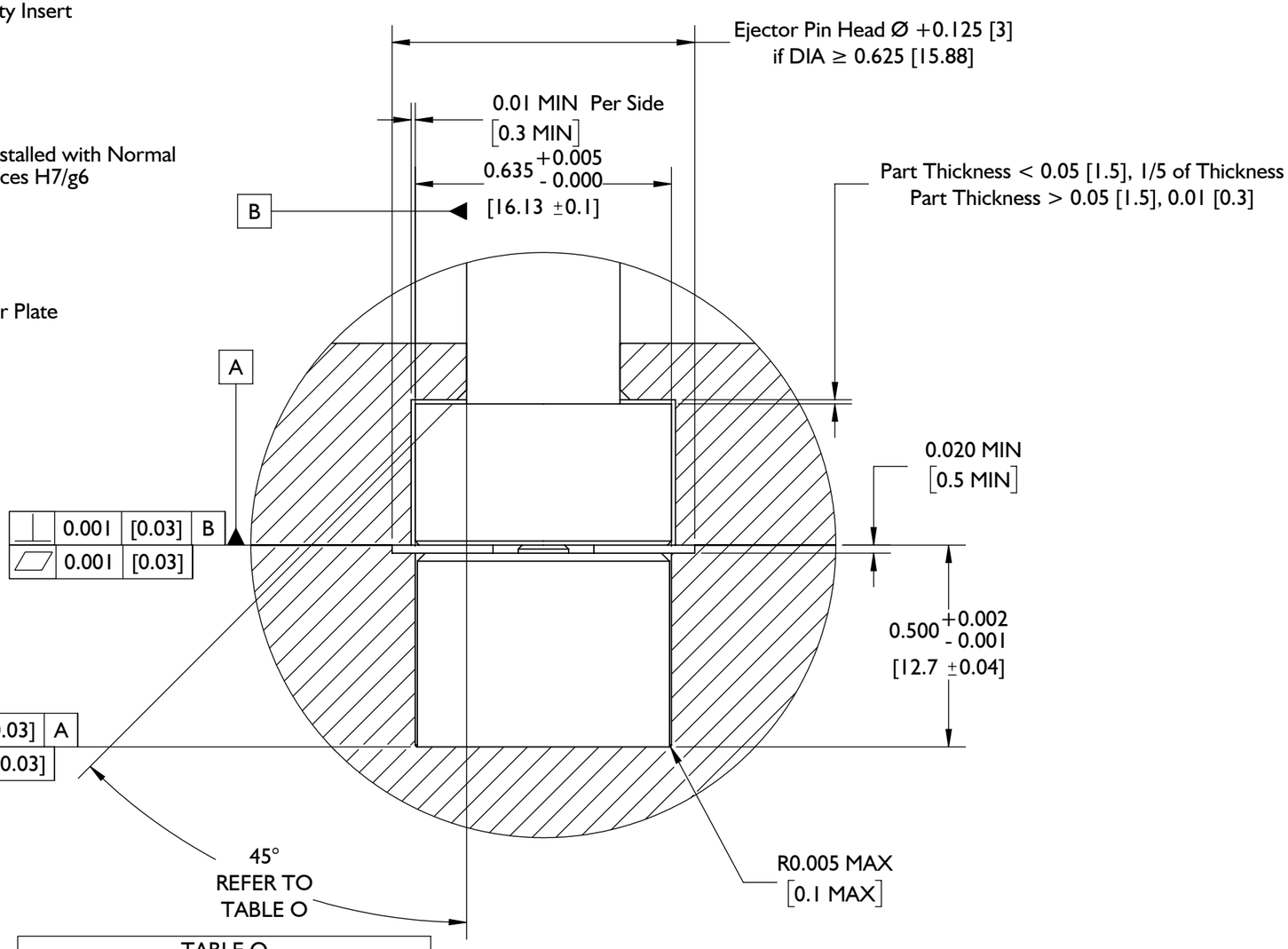


TABLE O	
Ejector Pin Ø	Chamfer Length
0.04–0.08 [1.0–2.0]	0.01 [0.3]
0.10–0.20 [2.5–5.0]	0.02 [0.4]
0.24–0.40 [6.0–10.0]	0.025 [0.6]

DETAIL B
SCALE 3 : 1

NOTES:
1. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
2. DO NOT SCALE PRINT
3. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
5. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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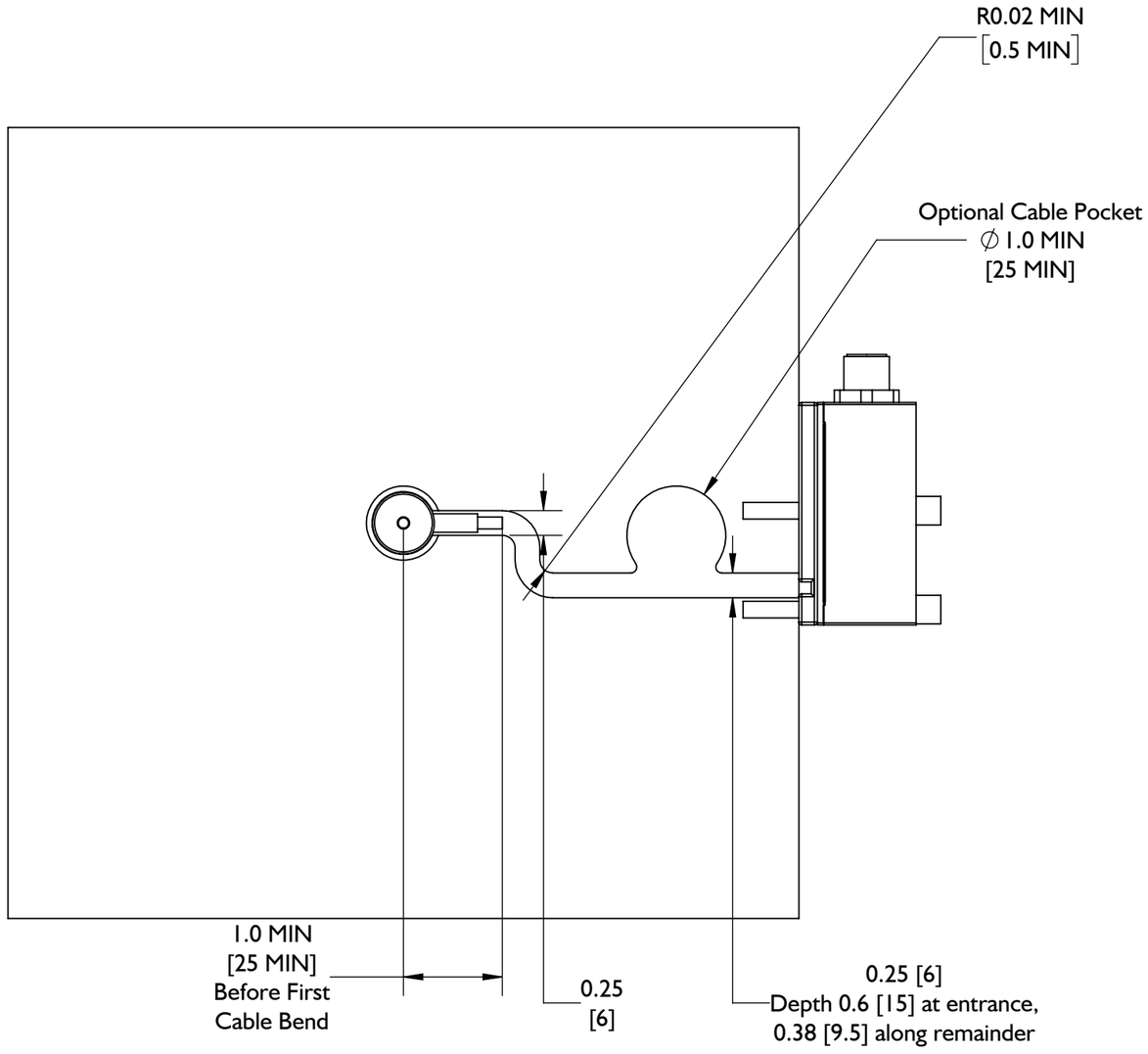
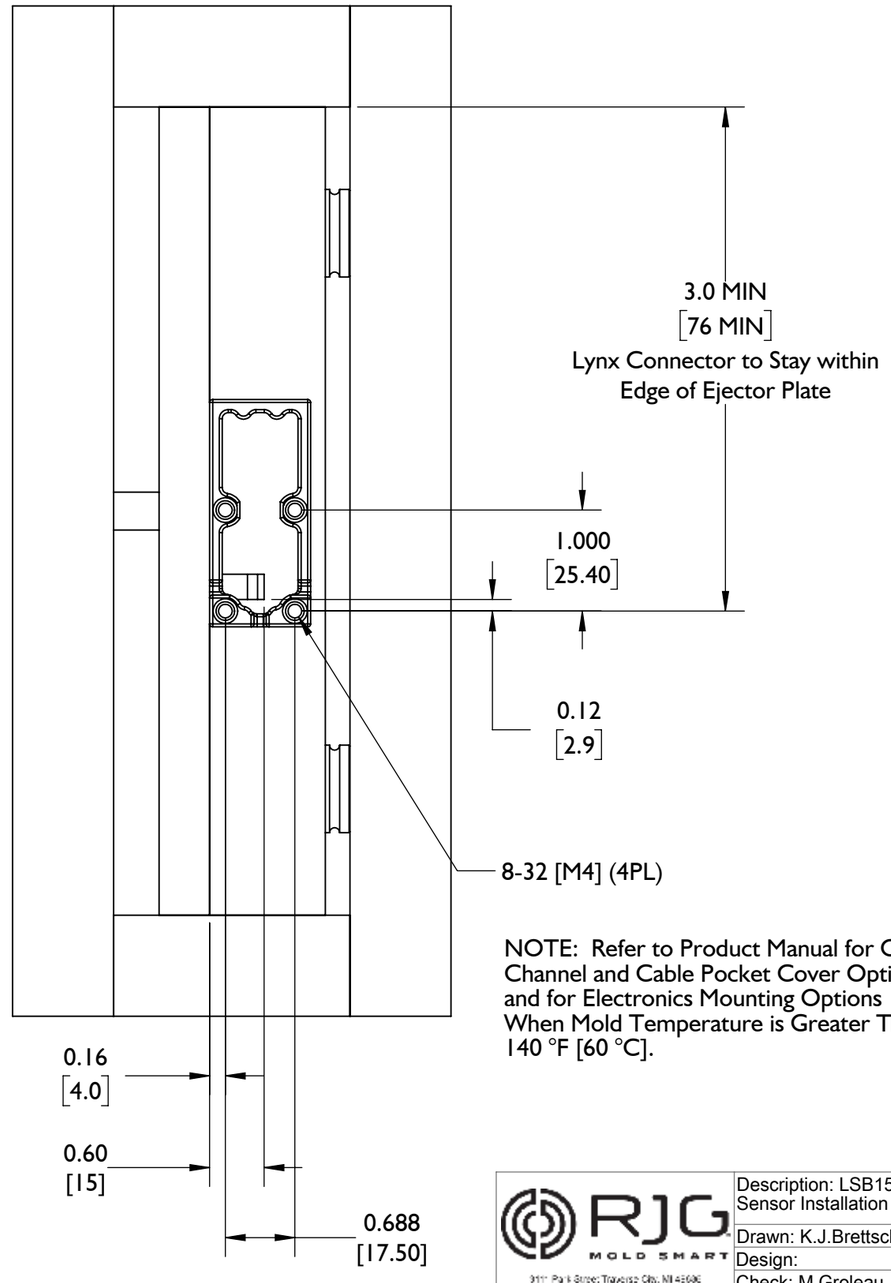
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

Drawing Title: LSB159-4000-09

LSB159-4000 Single-Channel Sensor Installation—Ejector Plate Installation

NOTE: Lynx sensor electronics case mounted in the orientation as shown to prevent damage to componenets.





NOTE: Refer to Product Manual for Cable Channel and Cable Pocket Cover Options and for Electronics Mounting Options When Mold Temperature is Greater Than 140 °F [60 °C].

NOTES:
1. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
2. DO NOT SCALE PRINT
3. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
5. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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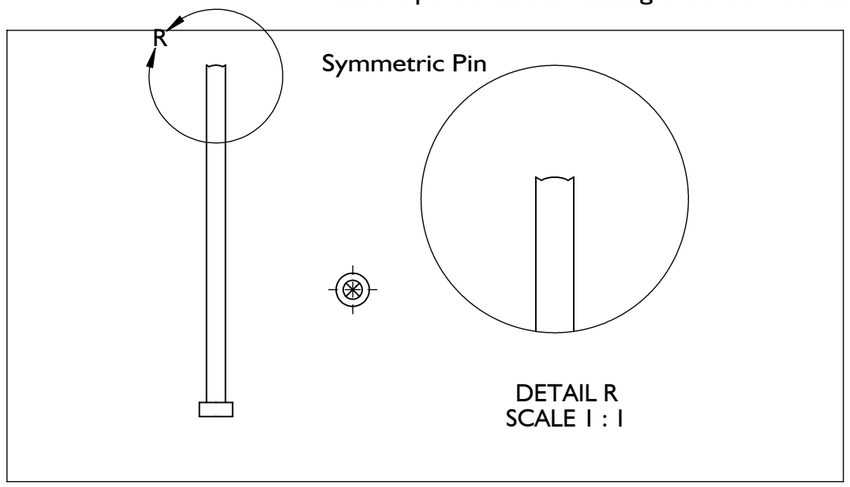
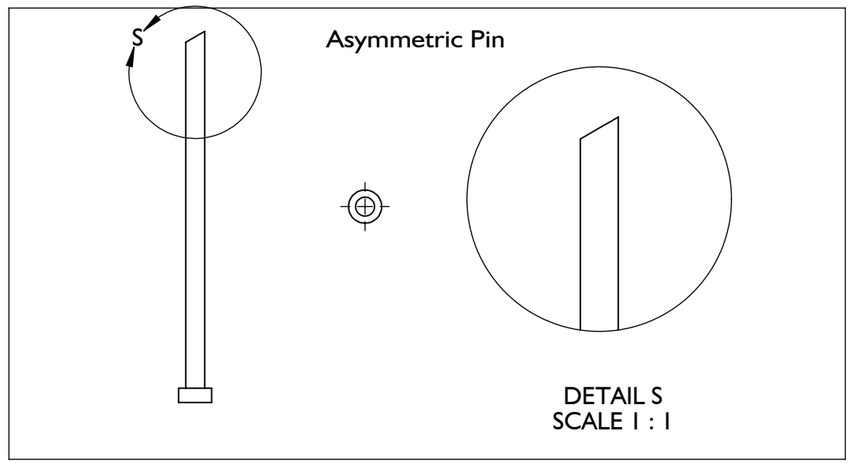
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

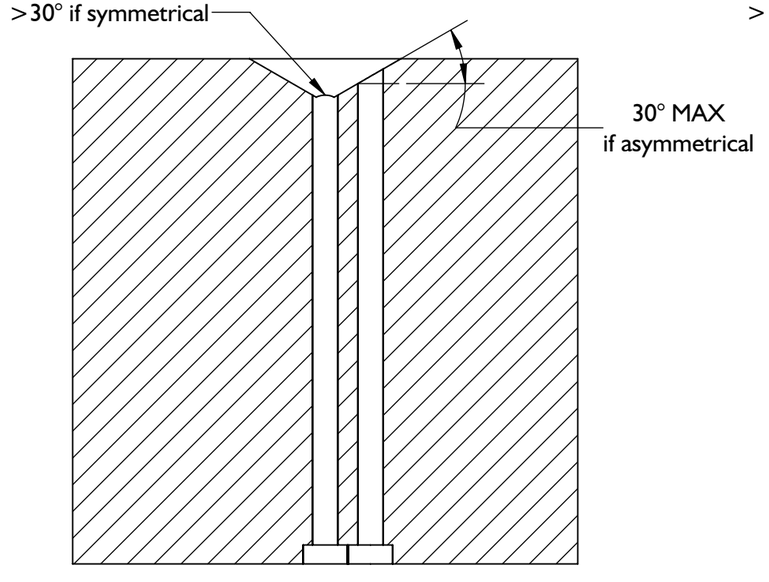
Drawing Title: LSB159-4000-10

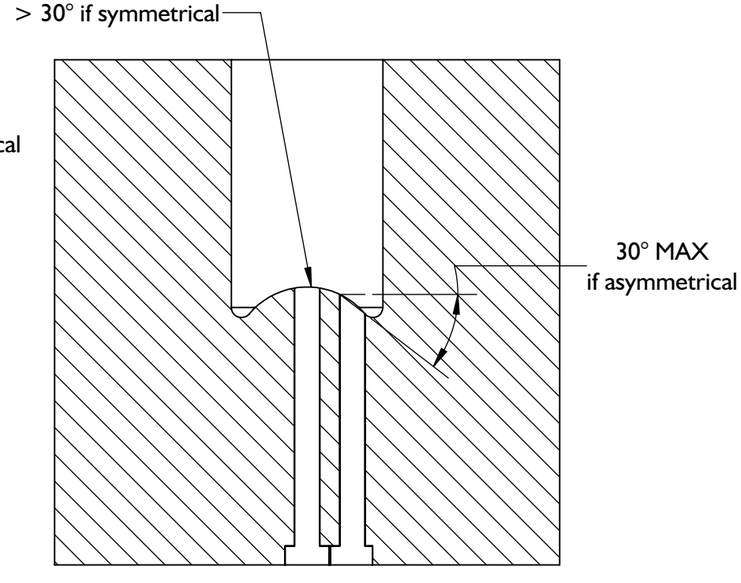
LSB159-XXXX Sensor Installation—Contoured Pin Angle Specification

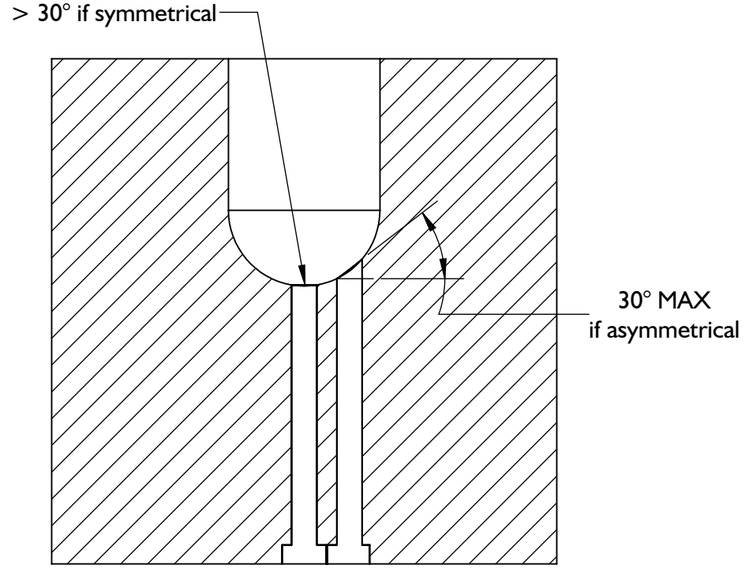
NOTE: Contoured/angled pins (asymmetric not to exceed 30° MAX unless pin design is symmetrical to provide even, downward pressure across pin surface to loading of sensor. Contact RJG Customer Support for assistance in verification of contoured/angled pin use.











NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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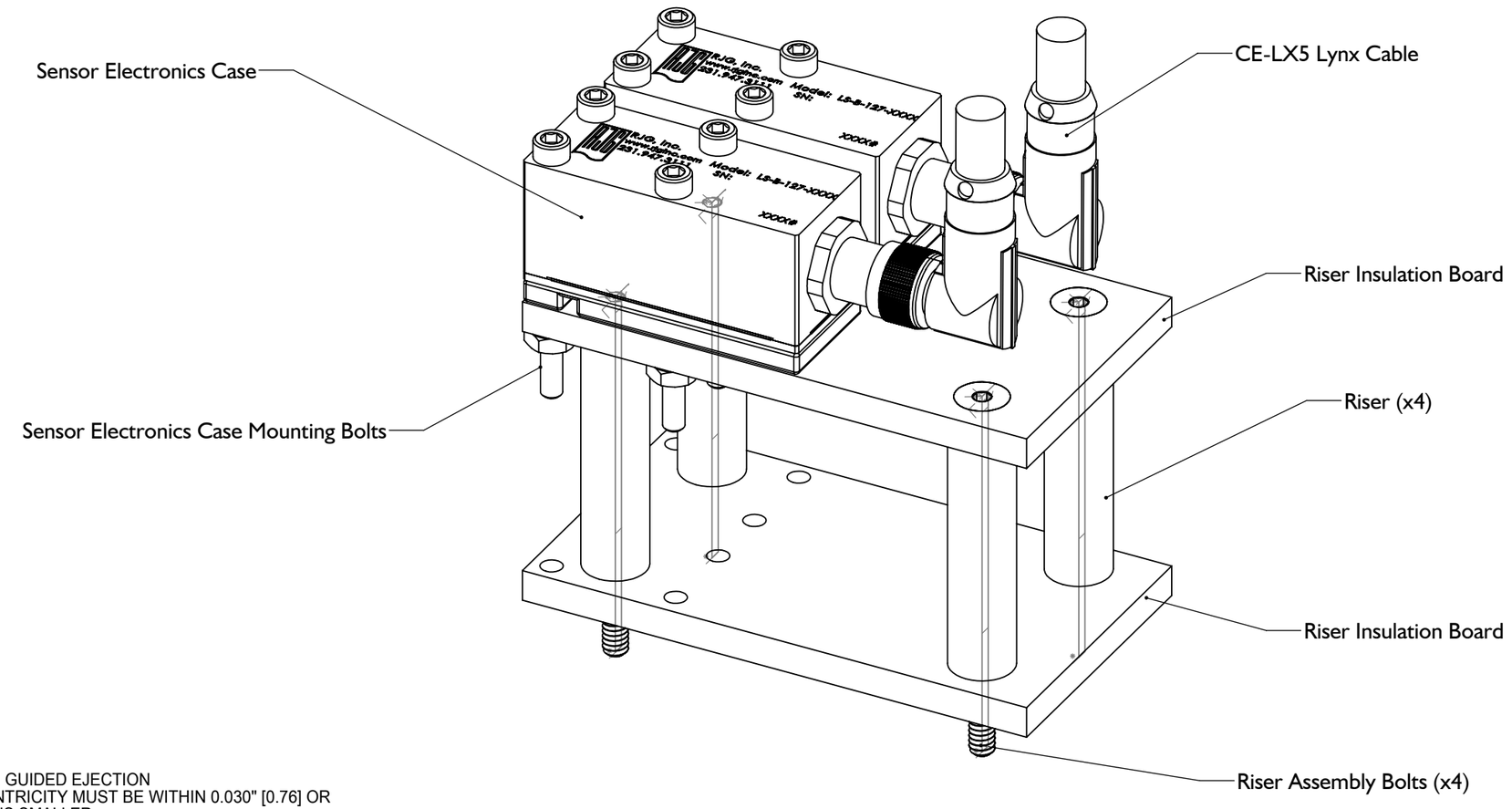
Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	

Drawing Title: LSB159-4000-11

LSB159-4000-H Sensor Installation—Sensor Electronics Housing Installation for High Temperatures

NOTE: The sensor electronics housing must be kept below 140 °F (60 °C) for all LSB159-XXXX and LSB159-XXXX-H sensor models. Refer to the drawing below as a guide; RJG does NOT provide riser assembly pictured below—riser assembly and design is responsiblity of customer. Contact RJG Customer Support for assistance with high-temperature sensor electronics housing protection designs.



NOTES:
1. CLAMP PLATE APPLICATIONS REQUIRE GUIDED EJECTION
2. EJECTOR AND TRANSFER PIN CONCENTRICITY MUST BE WITHIN 0.030" [0.76] OR 10% OF EJECTOR PIN DIA, WHICHEVER IS SMALLER.
3. ENCLOSED EJECTOR BOX SUGGESTED.
4. DO NOT SCALE PRINT
5. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
6. DIMENSIONS IN INCHES [MM], UNLESS NOTED
7. TOLERANCES UNLESS SPECIFIED:
   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

RJG MOLD SMART
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Description: LSB159-4000 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 11.18.2021	