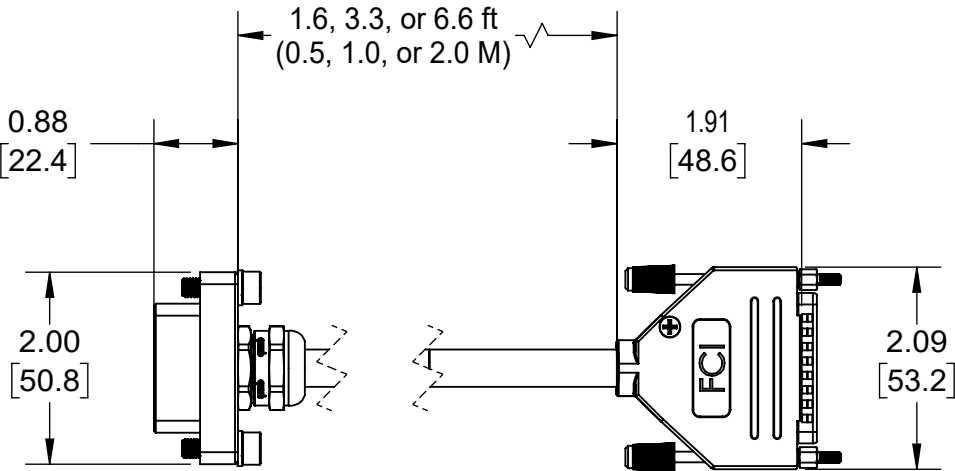
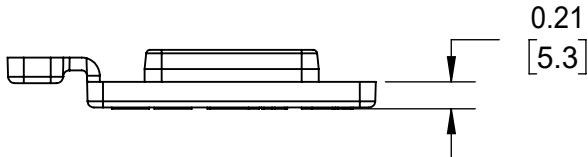
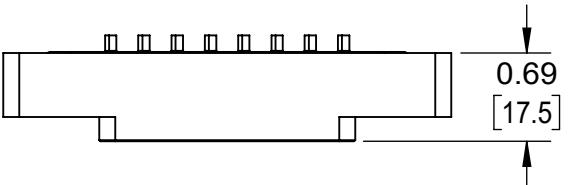
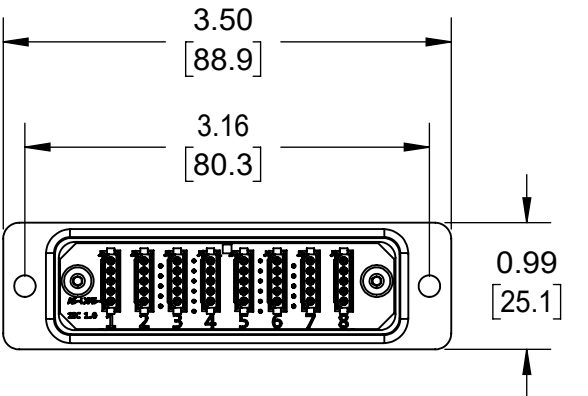
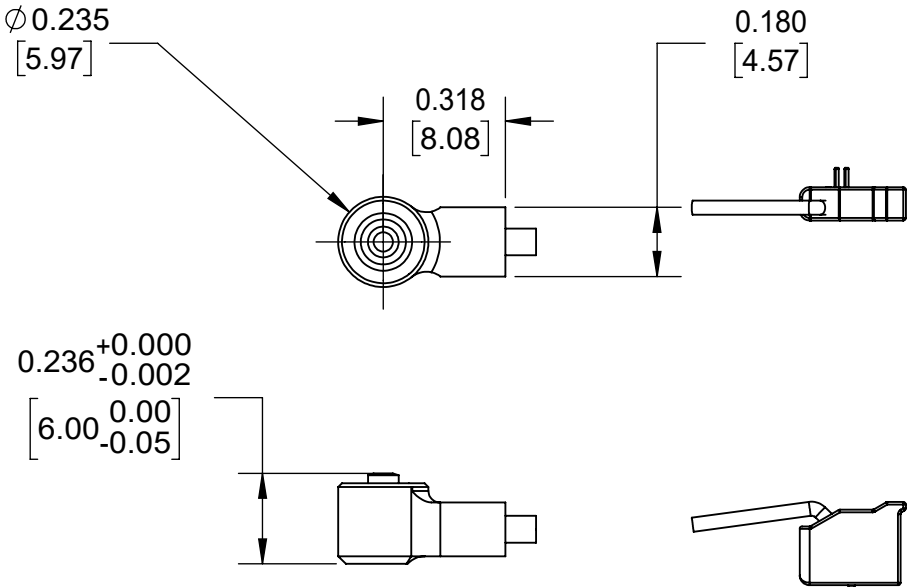
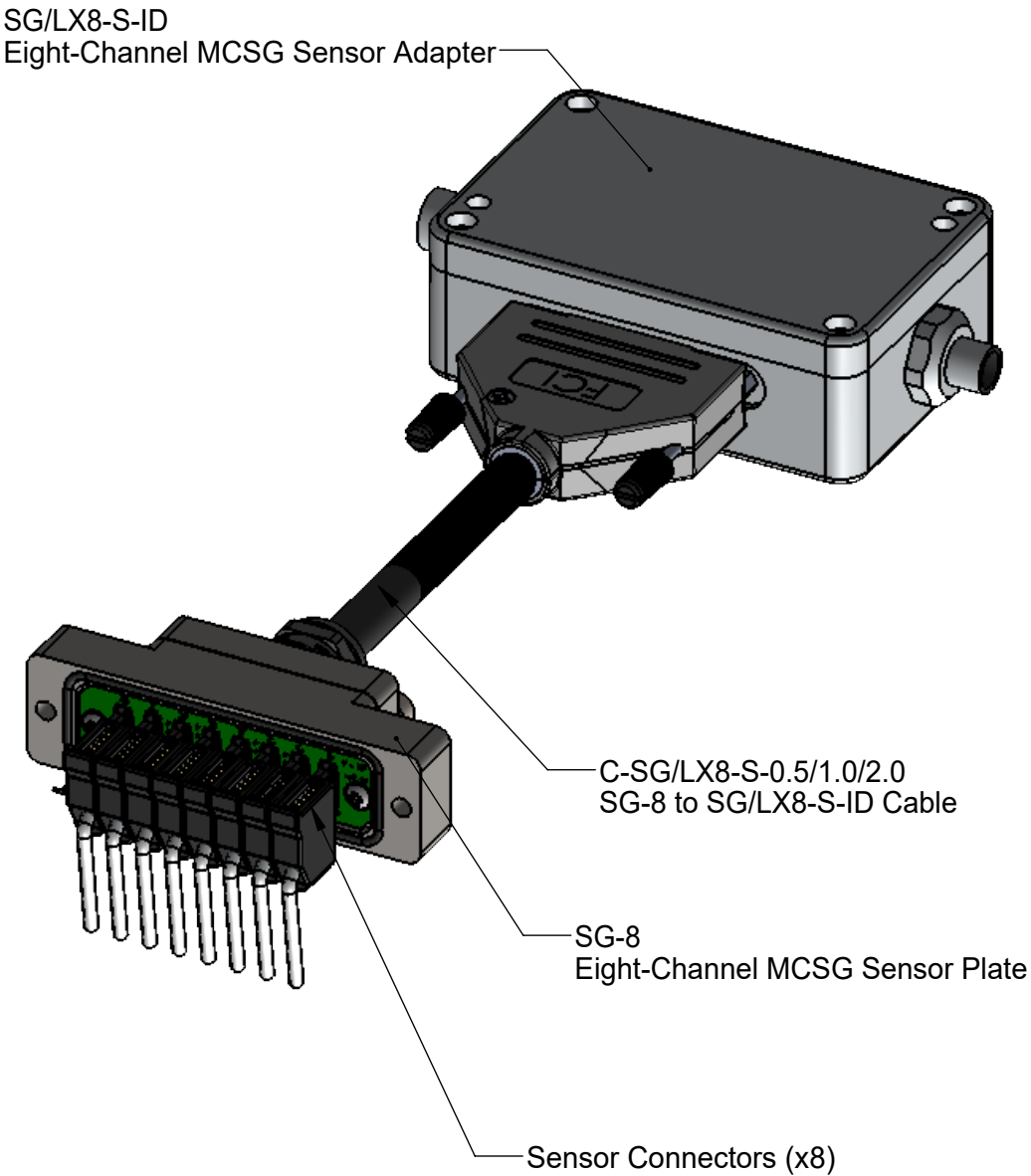


Drawing Title: MCSG-50/250-01

Multi-Channel Strain Gage Sensor (MCSG-50/250) Installation—Sensor, Sensor Connector, and Sensor Cable Dimensions

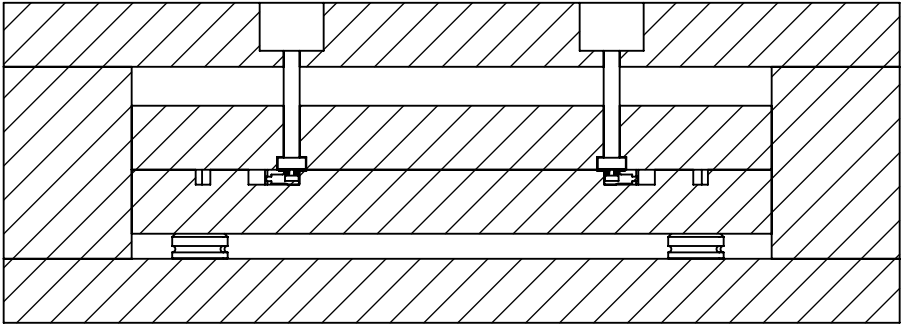
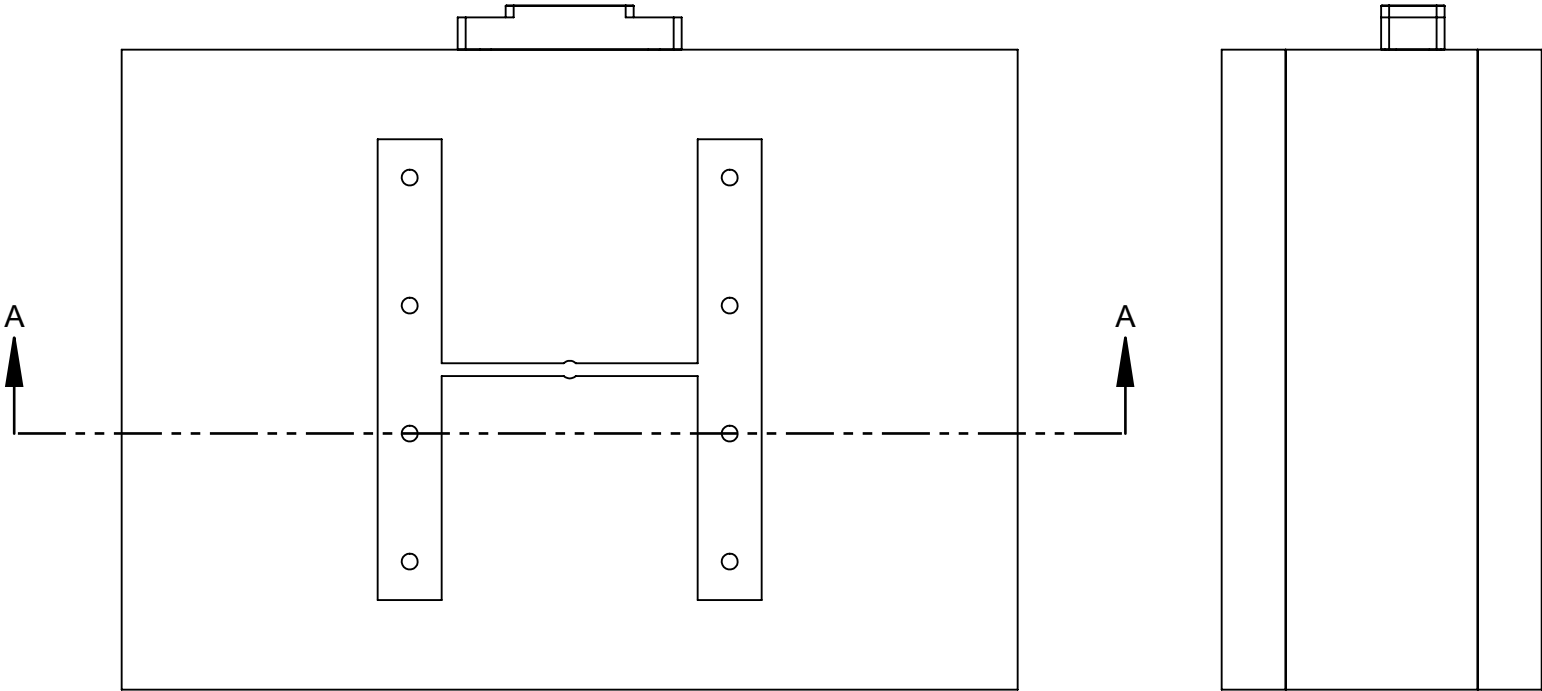


- NOTES:
1. ENCLOSED EJECTOR BOX SUGGESTED.
 2. DO NOT SCALE PRINT
 3. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
 4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
 5. TOLERANCES UNLESS SPECIFIED:
XXX = ± 0.003 [0.08]
XX = ± 0.01 [0.3]
ANGLES = $\pm 3^\circ$ 30°

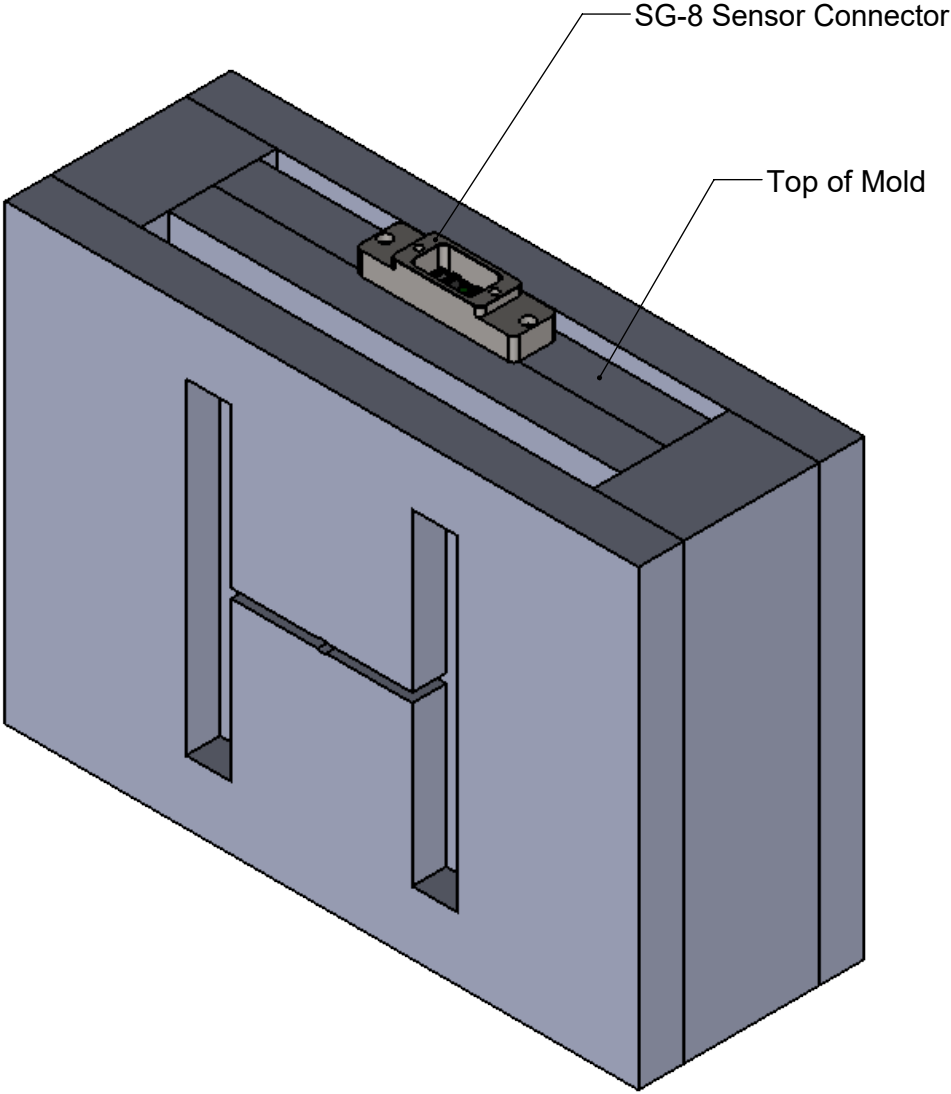


Description: MCSG-50/250 Sensor Installation
Drawn: K.J. Brettschneider
Design:
Check: M. Groleau
Date: 04.02.2025

Lynx™ 6 mm Multi-Channel Strain Gage (MCSG) Sensor Installation—Ejector Plate Installation

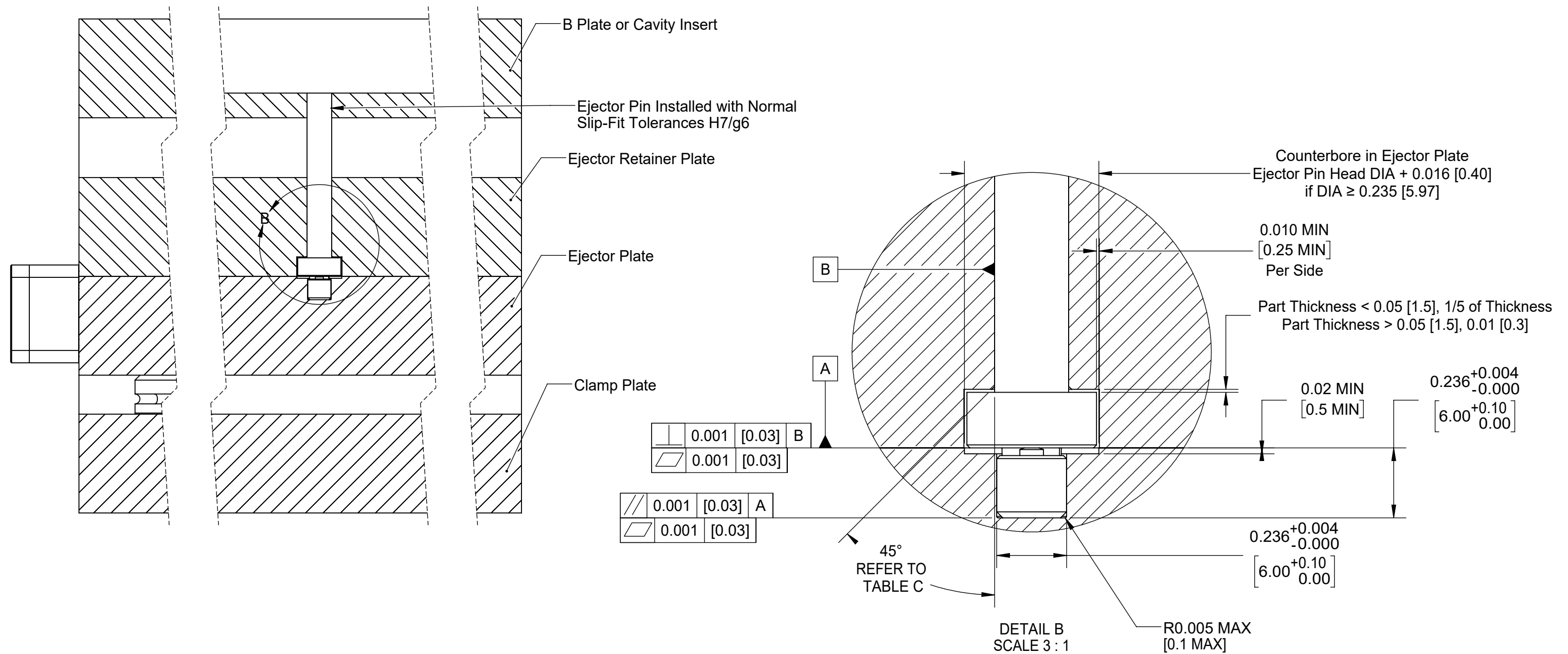


SECTION A-A
SCALE 1 : 3



- NOTES:
- 1. ENCLOSED EJECTOR BOX SUGGESTED.
 - 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°

Lynx™ 6 mm Multi-Channel Strain Gage (MCSG) Sensor Installation—Ejector Plate Installation



NOTES:

1. ENCLOSED EJECTOR BOX SUGGESTED.
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°

TABLE C	
Ejector Pin Ø	Chamfer Length
0.04–0.08 [1.0–2.5]	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]



Description: MCSG-50/250
Sensor Installation

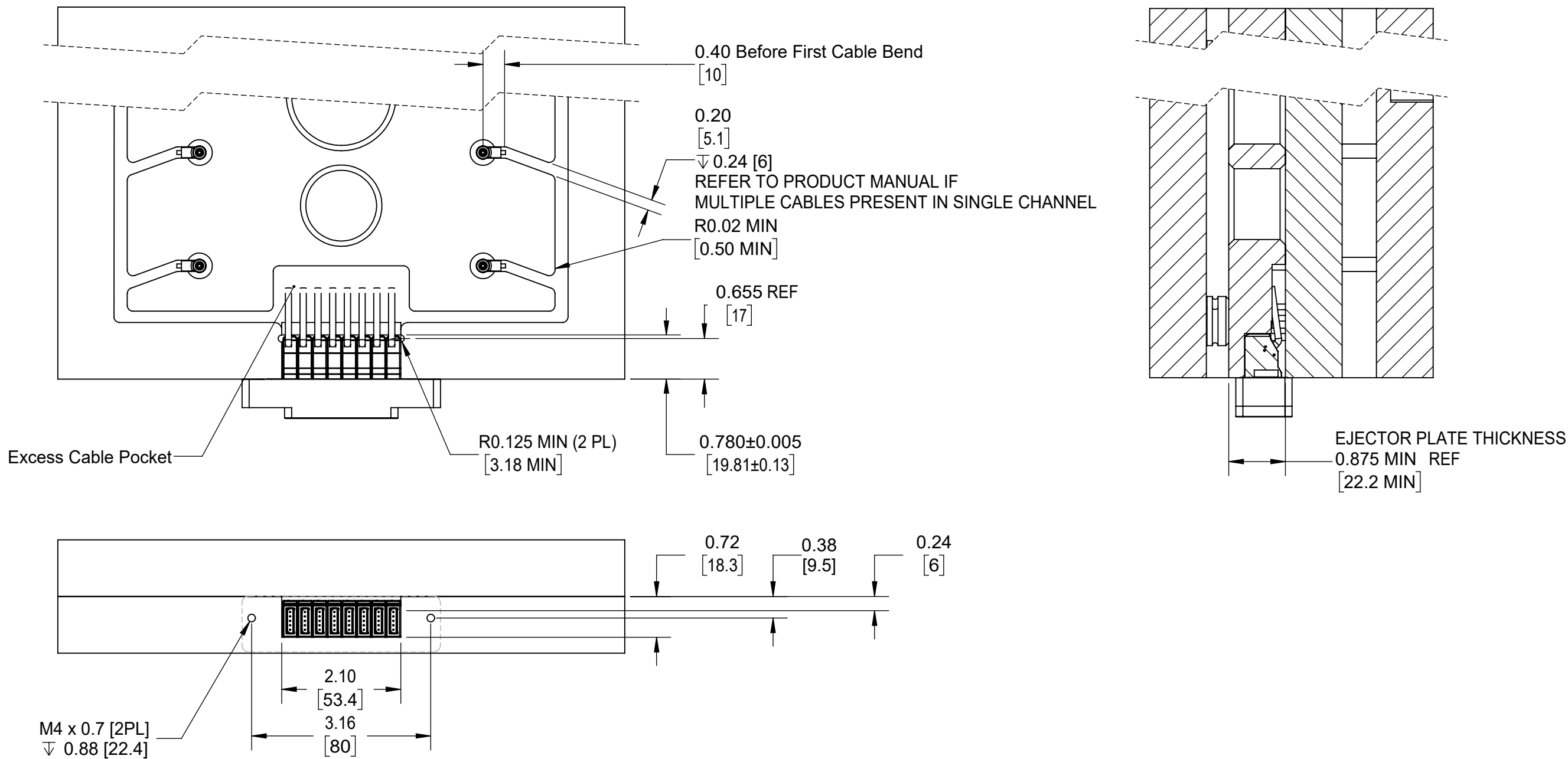
Drawn: K.J. Brettschneider

Design:

Check: M. Groleau

Date: 04.02.2025

Lynx™ 6 mm Multi-Channel Strain Gage (MCSG) Sensor Installation—Ejector Plate Installation



- NOTES:
1. ENCLOSED EJECTOR BOX SUGGESTED.
 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°



Description: MCSG-50/250
Sensor Installation

Drawn: K.J. Brettschneider

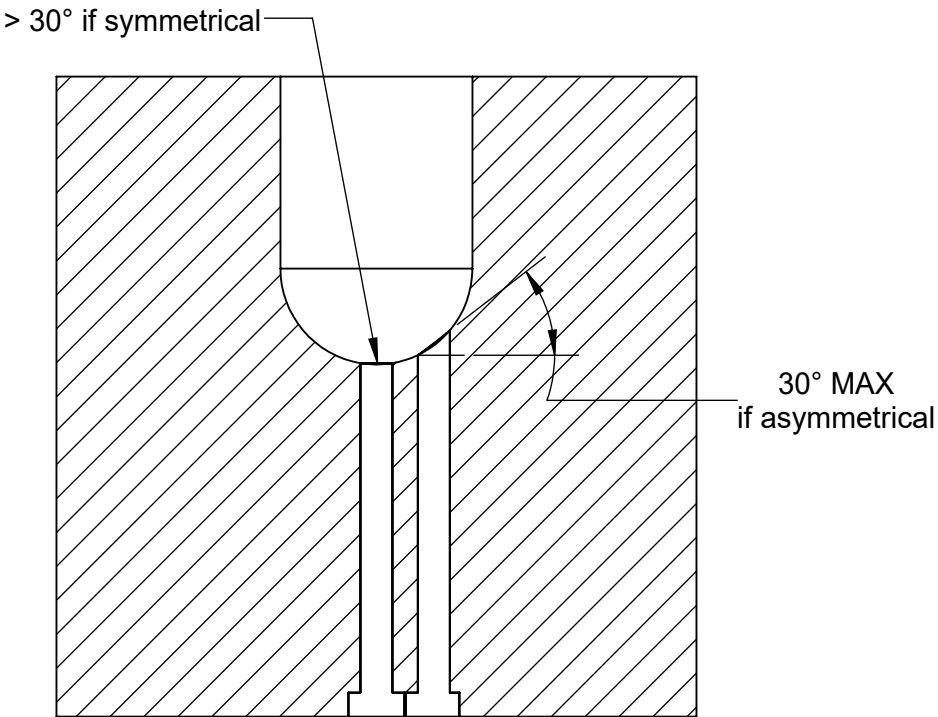
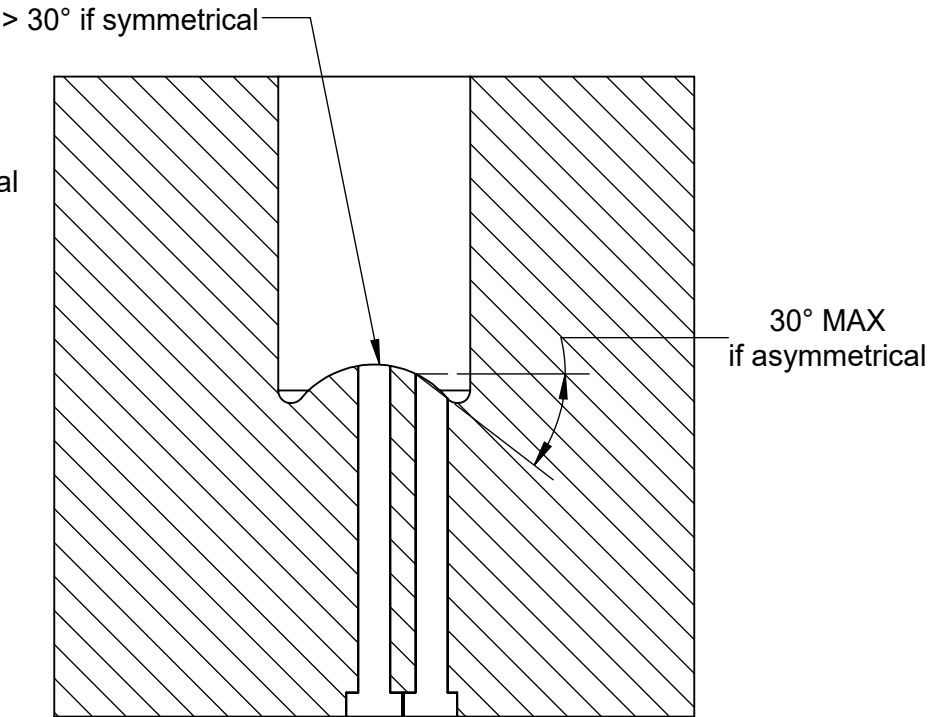
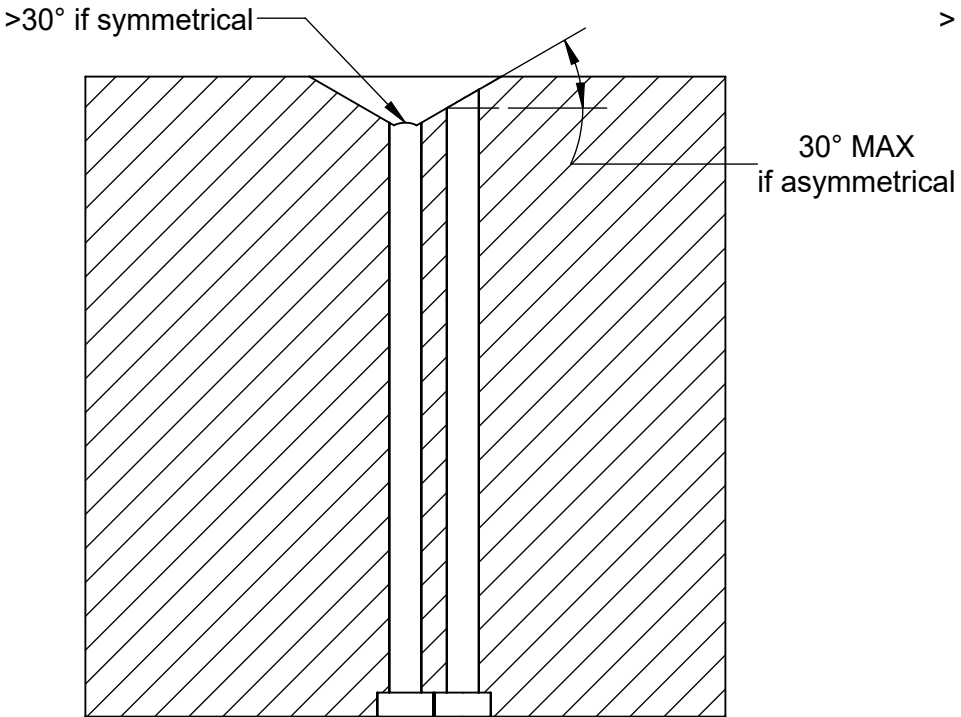
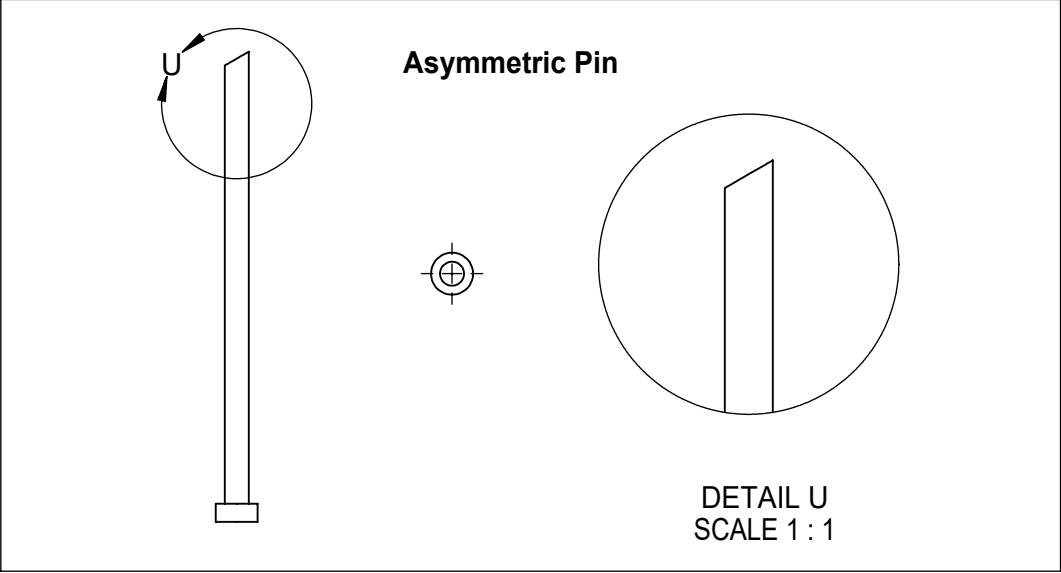
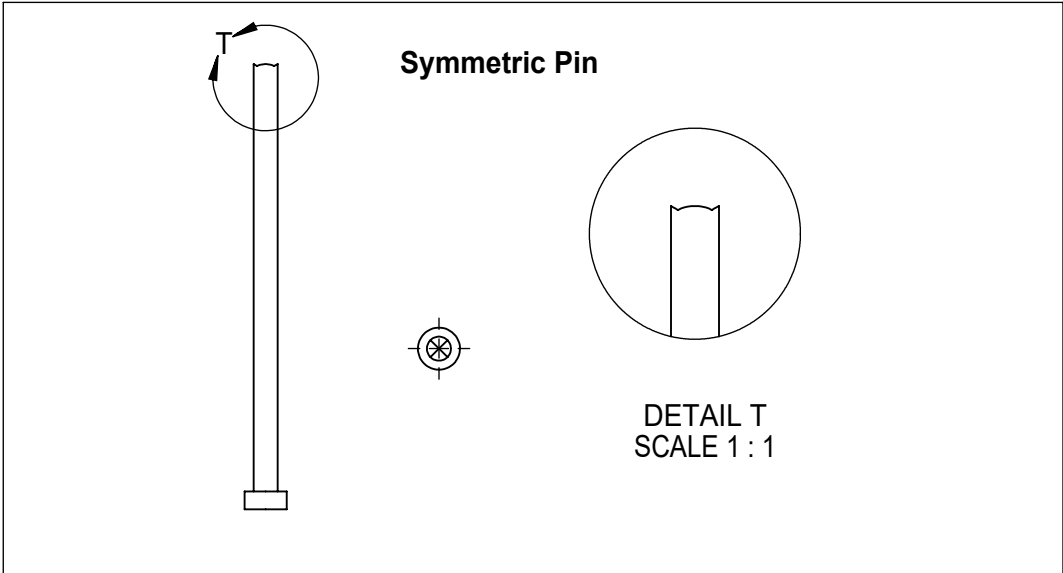
Design:

Check: M. Groleau

Date: 04.02.2025

MCSG-50/250 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.



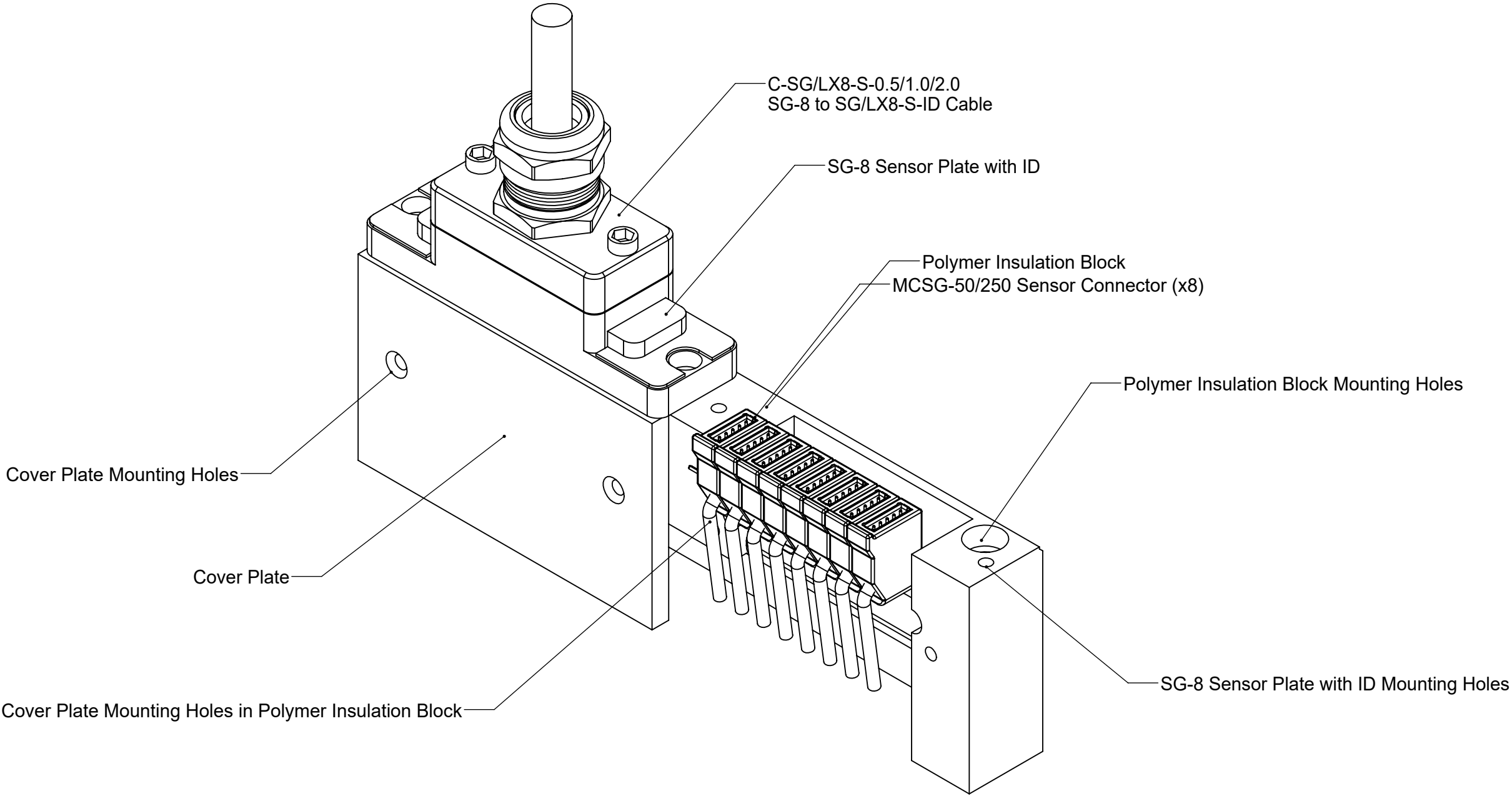
- NOTES:
- 1. ENCLOSED EJECTOR BOX SUGGESTED.
 - 2. DO NOT SCALE PRINT
 - 3. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
 - 4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
 - 5. TOLERANCES UNLESS SPECIFIED:
 - XXX = ±0.003 [0.08]
 - XX = ±0.01 [0.3]
 - ANGLES = ±3° 30°




Description:MCSG-50/250 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 04.02.2025

Multi-Channel Strain Gage Sensor (MCSG-50/250) Installation—High Temperature Installation

NOTE: The sensor electronics must be kept below 140 °F (60 °C) for all MCSG-50/250 sensor models. Refer to the drawing below as a guide; RJG does NOT provide polymer assembly pictured below—polymer assembly and design is responsibility of customer. Contact RJG Customer Support for assistance with high-temperature sensor protection designs.



- NOTES:
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 - 4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
 - 5. TOLERANCES UNLESS SPECIFIED:
 - XXX = ±0.003 [0.08]
 - XX = ±0.01 [0.3]
 - ANGLES = ±3° 30°

 3111 Park Street, Traverse City, MI 49606 231-946-2111 www.rjgusa.com	Description: MCSG-50/250 Sensor Installation
	Drawn: K.J. Brettschneider
	Design: Check: M. Groleau
	Date: 04.02.2025