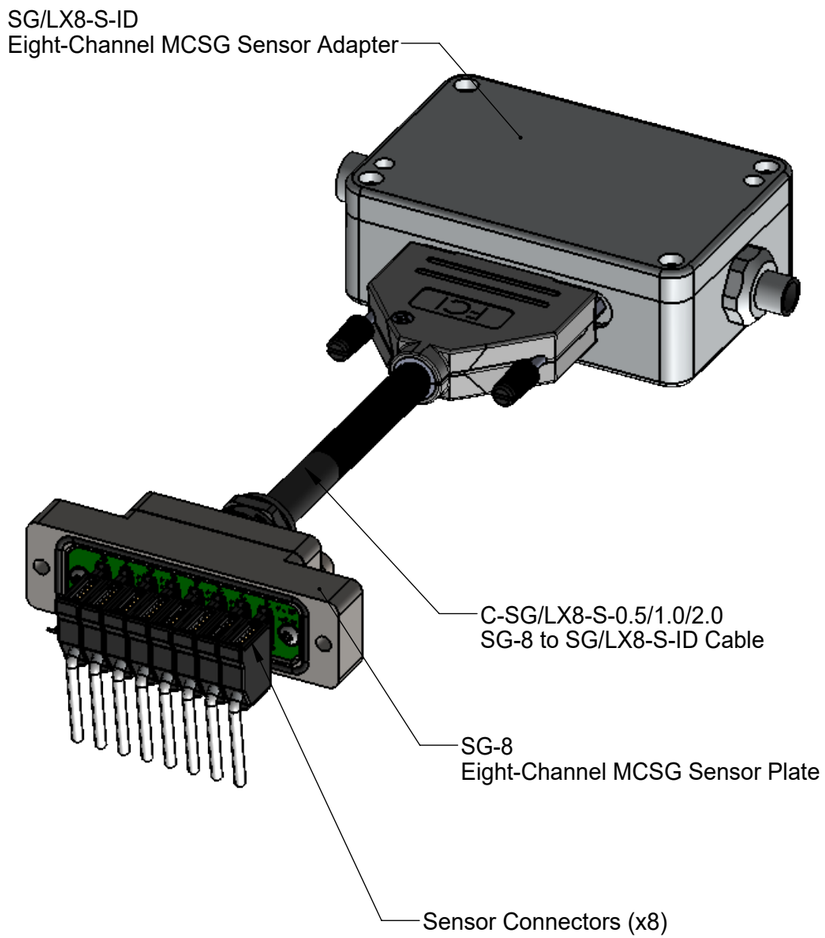
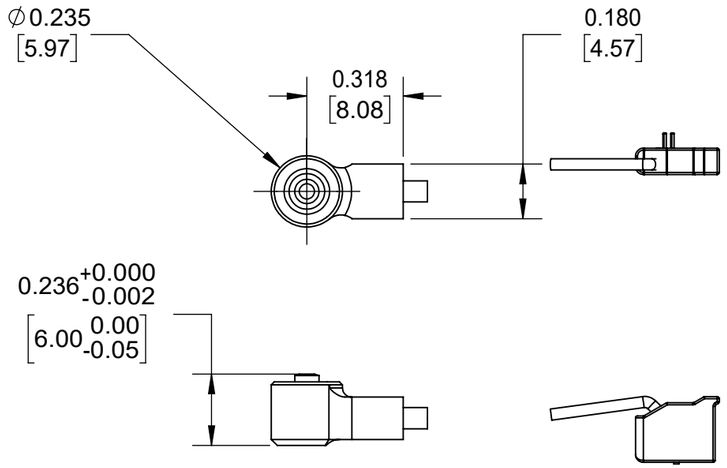
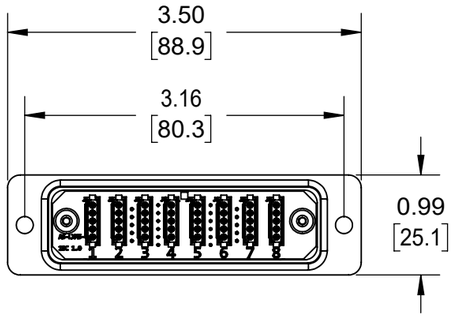
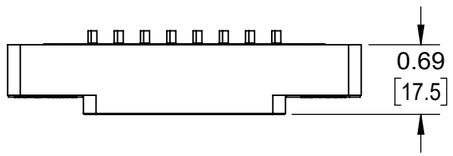
Drawing Title: MCSG-B-60-50/250-01

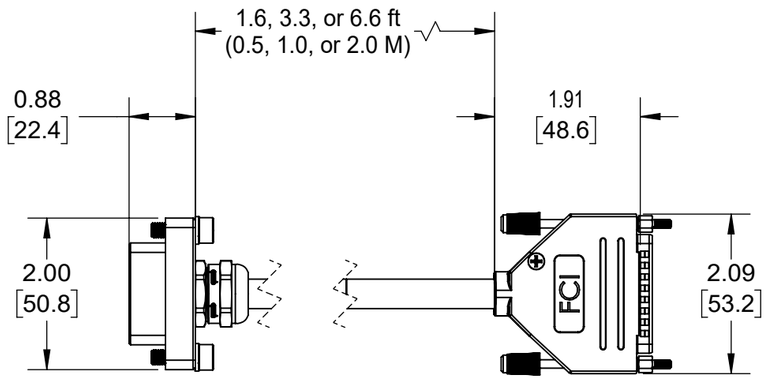
Multi-Channel Strain Gage Sensor (MCSG-B-60-50/250) Installation—Sensor, Sensor Connector, and Sensor Cable Dimensions











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 = ±3° 30°

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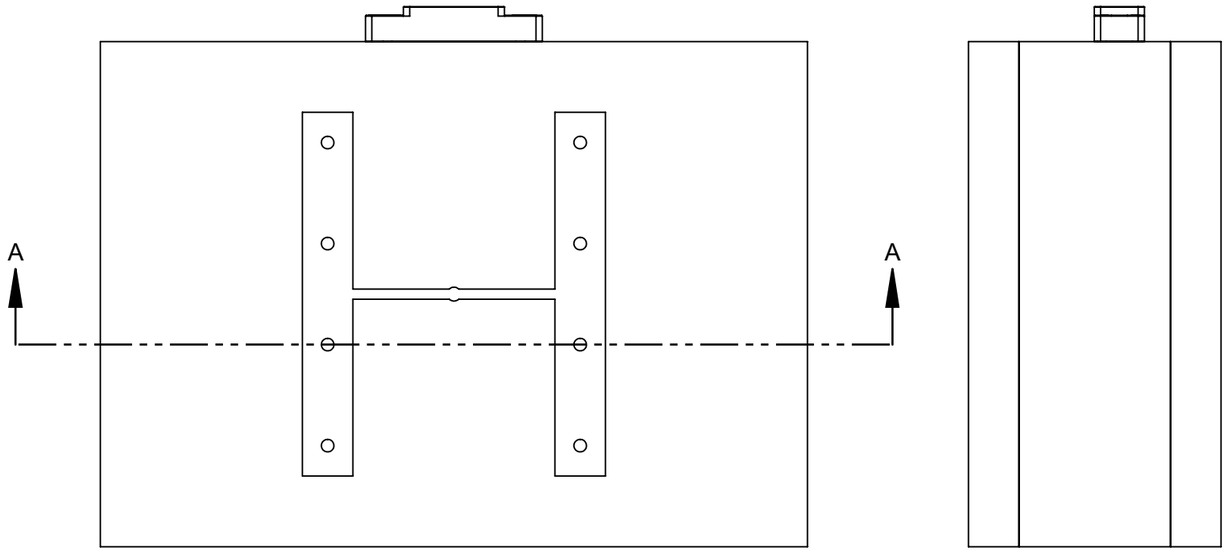
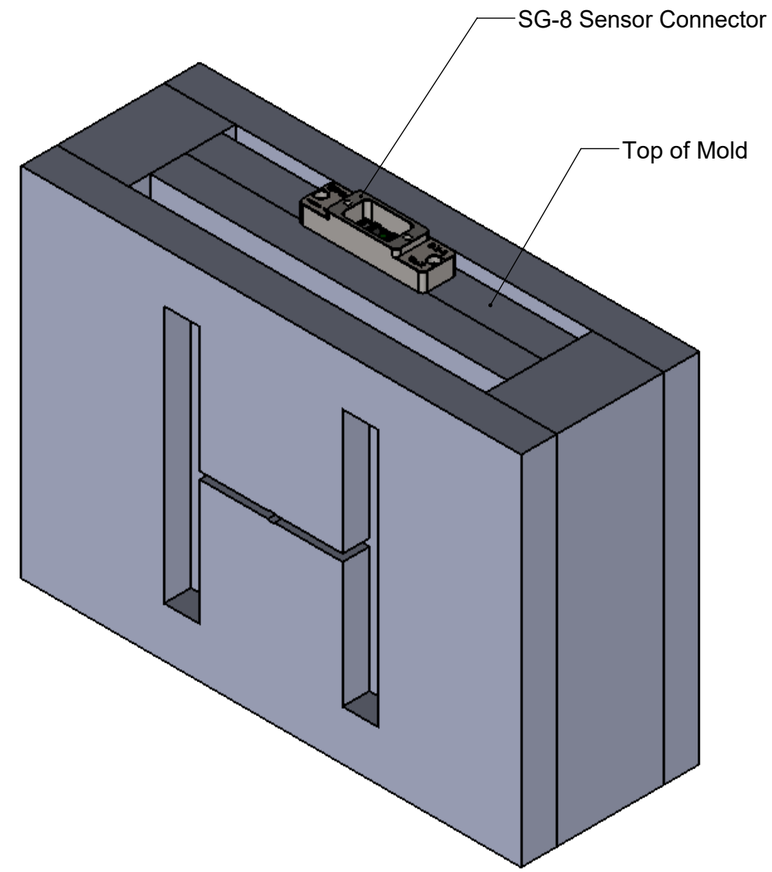
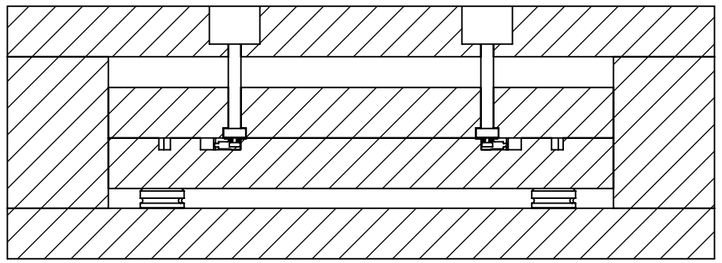
Description: MCSG-B-60-50/250 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 10.23.2023	

Drawing Title: MCSG-B-60-50/250-02

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
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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°

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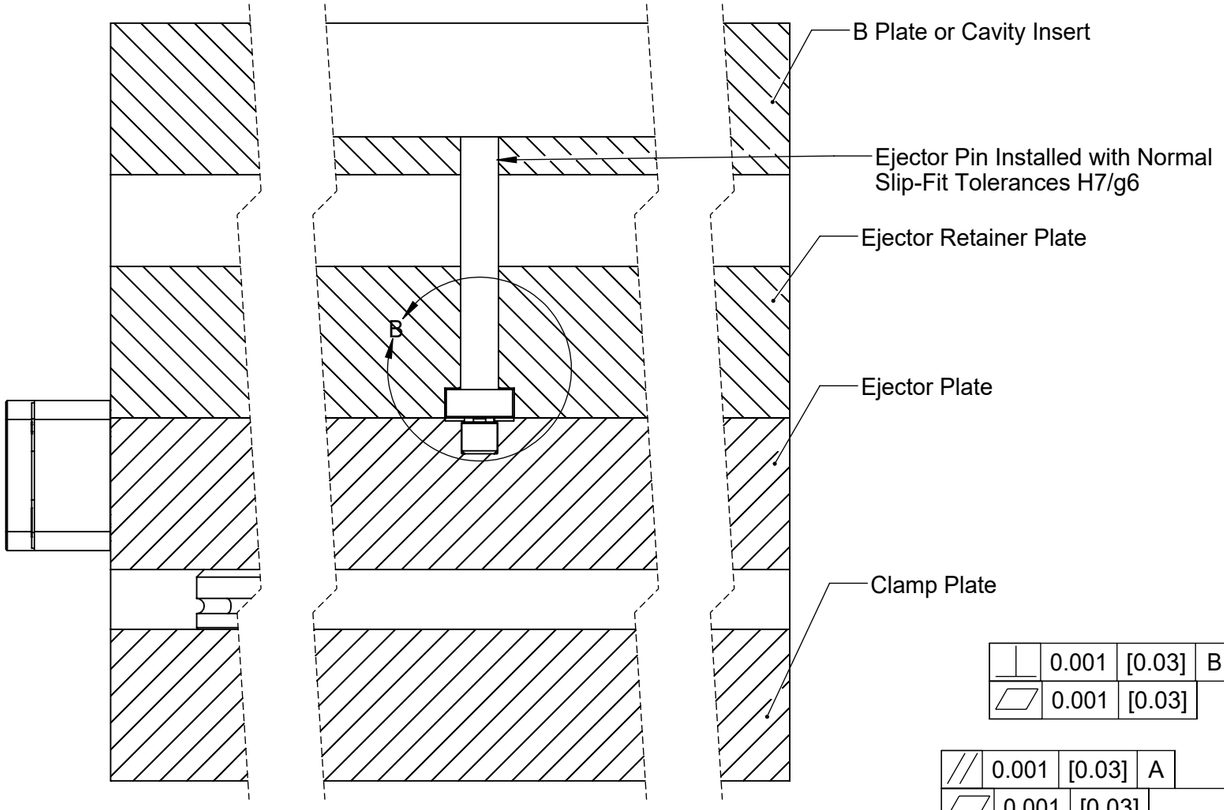
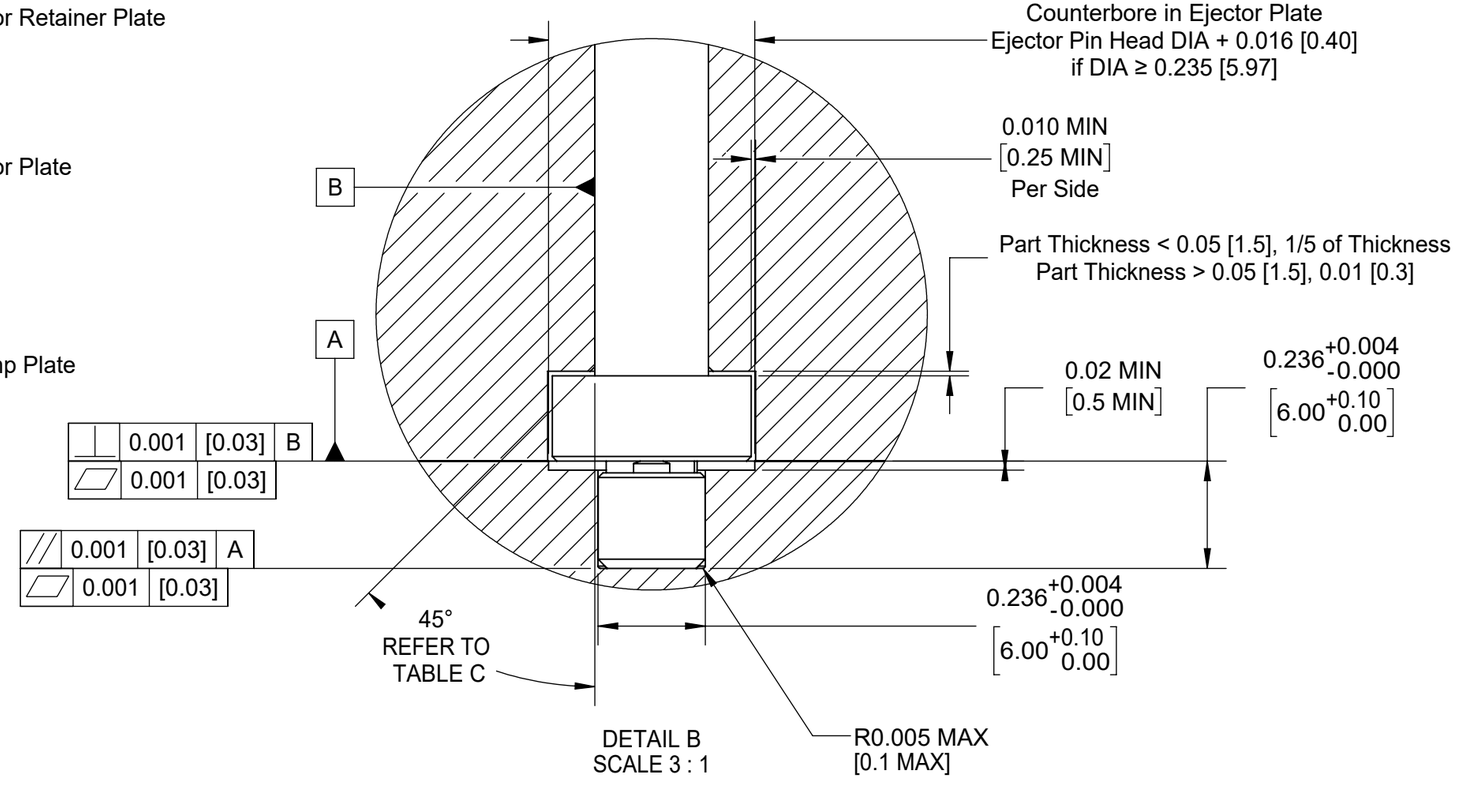
Description: MCSG-B-60-50/250 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 10.23.2023

Drawing Title: MCSG-B-60-50/250-03

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





NOTES:
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3. BREAK ALL SHARP EDGES, 0.005 [0.03] R MAX
4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
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   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]

RJG MOLD SMART
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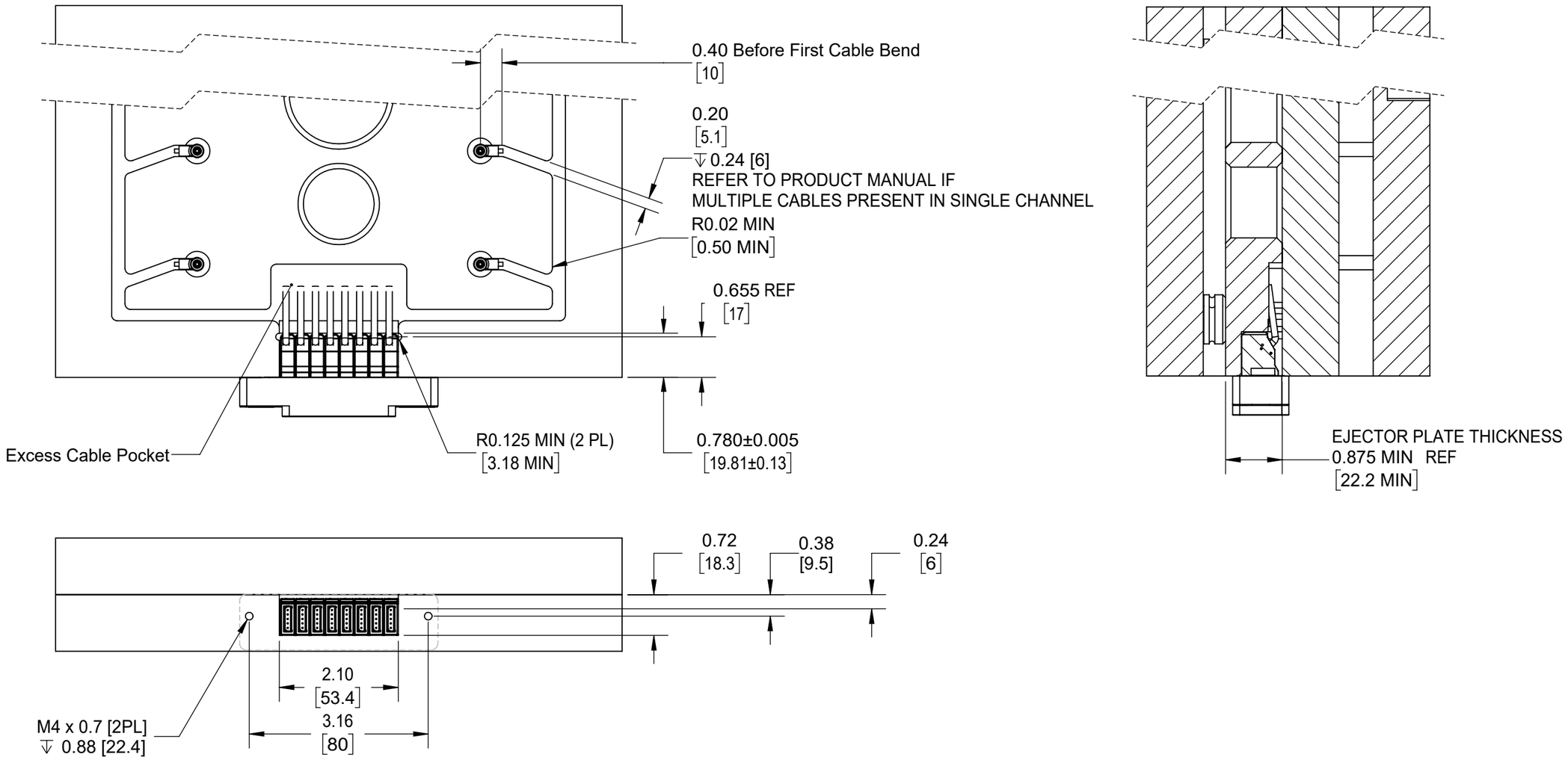
Description: MCSG-B-60-50/250 Sensor Installation	
Drawn: K.J.Brettschneider	
Design:	
Check: M.Groleau	
Date: 10.23.2023	

Drawing Title: MCSG-B-60-50/250-04

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



NOTES:
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4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
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   XX = ±0.01 [0.3]
   ANGLES = ±3° 30°

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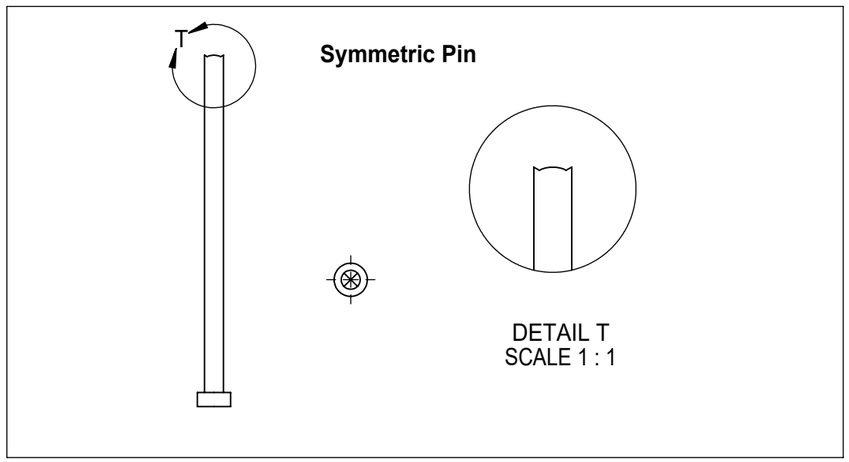
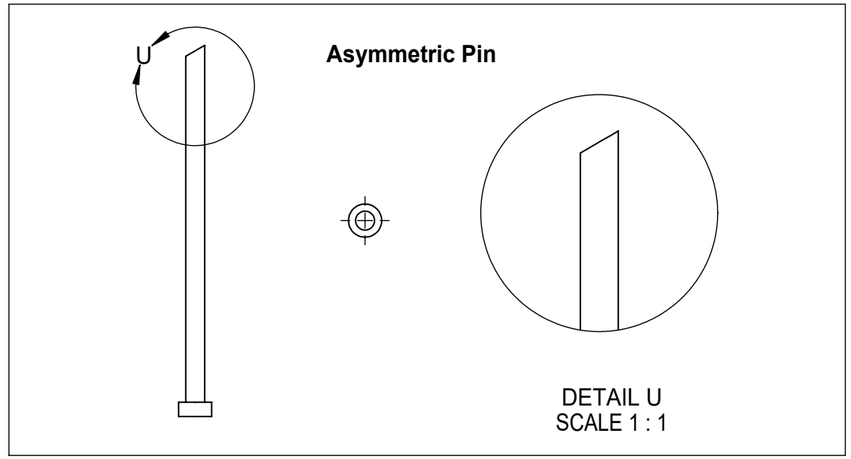
Description: MCSG-B-60-50/250 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 10.23.2023

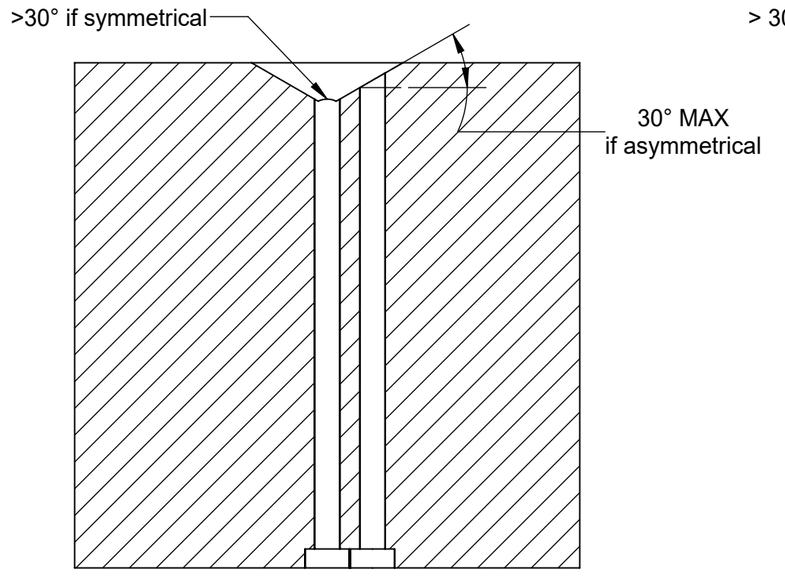
Drawing Title: MCSG-B-60-50/250-05

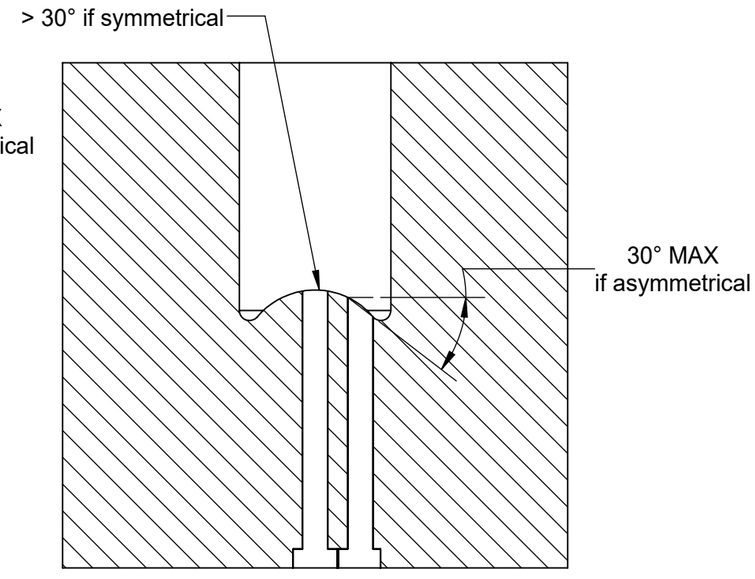
MCSG-B-60-50/250 Sensor Installation—Contoured Pin Angle Specification

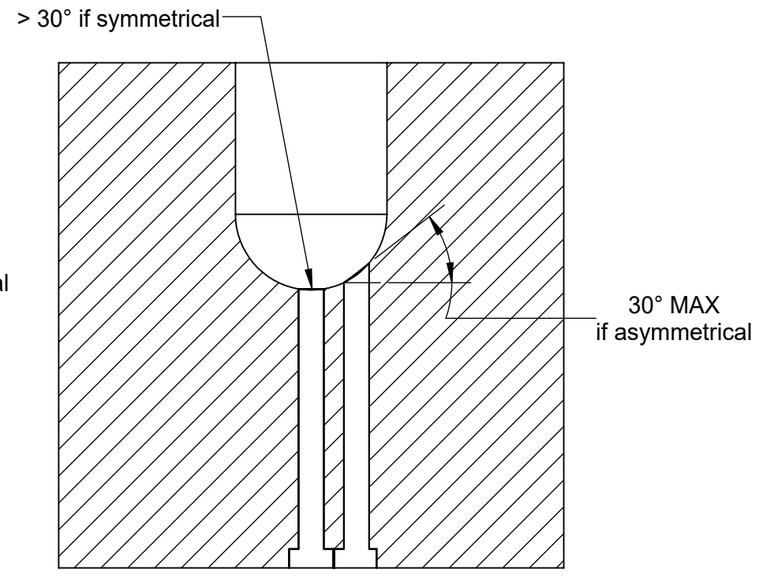
NOTE: Contoured/angled pins (asymmetric) not to exceed 30° MAX unless pin design is symmetrical to provide even, downward pressure across pin surface to loading of sensor. Contact RJG Customer Support for assistance in verification of contoured/angled pin use.











NOTES:
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5. TOLERANCES UNLESS SPECIFIED:
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   - ANGLES = ±3° 30°

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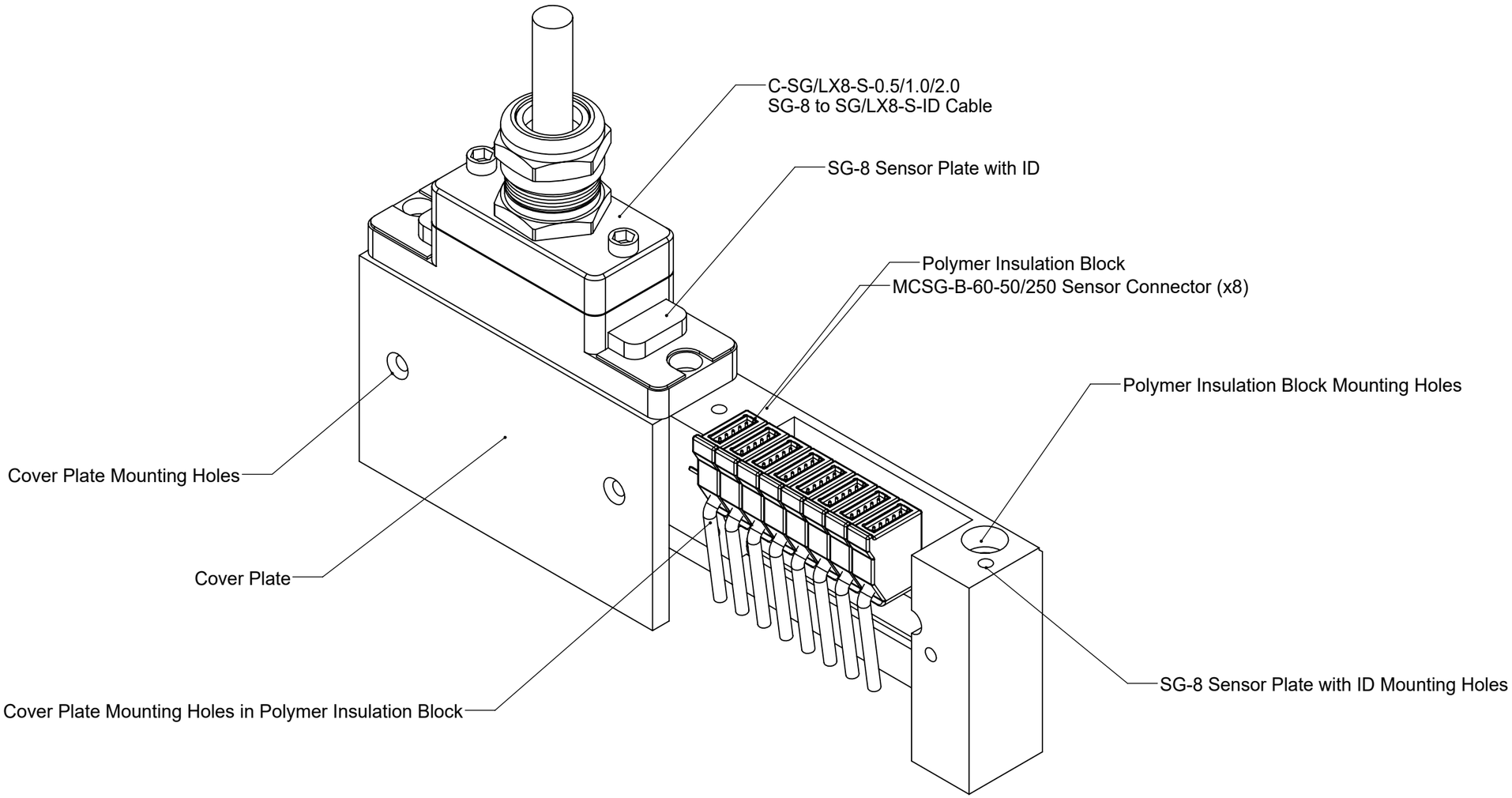
Description: MCSG-B-60-50/250 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 10.23.2023

Drawing Title: MCSG-B-60-50/250-06

Multi-Channel Strain Gage Sensor (MCSG-B-60-50/250) Installation—High Temperature Installation

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



NOTES:
1. ENCLOSED EJECTOR BOX SUGGESTED.
2. DO NOT SCALE PRINT
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4. DIMENSIONS IN INCHES [MM], UNLESS NOTED
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   XXX = ±0.003 [0.08]
   XX = ±0.01 [0.3]
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Description: 9204 Sensor Installation
Drawn: K.J.Brettschneider
Design:
Check: M.Groleau
Date: 10.23.2023