



GF Machining Solutions

Microlution

Small Tube Handling Part

Attila Farkas
2022



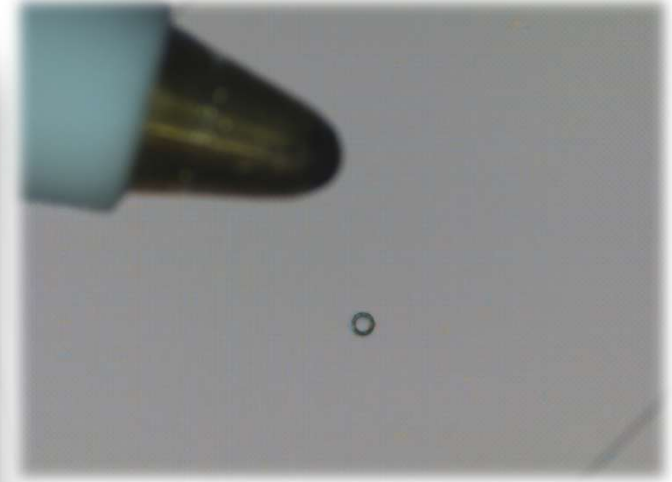
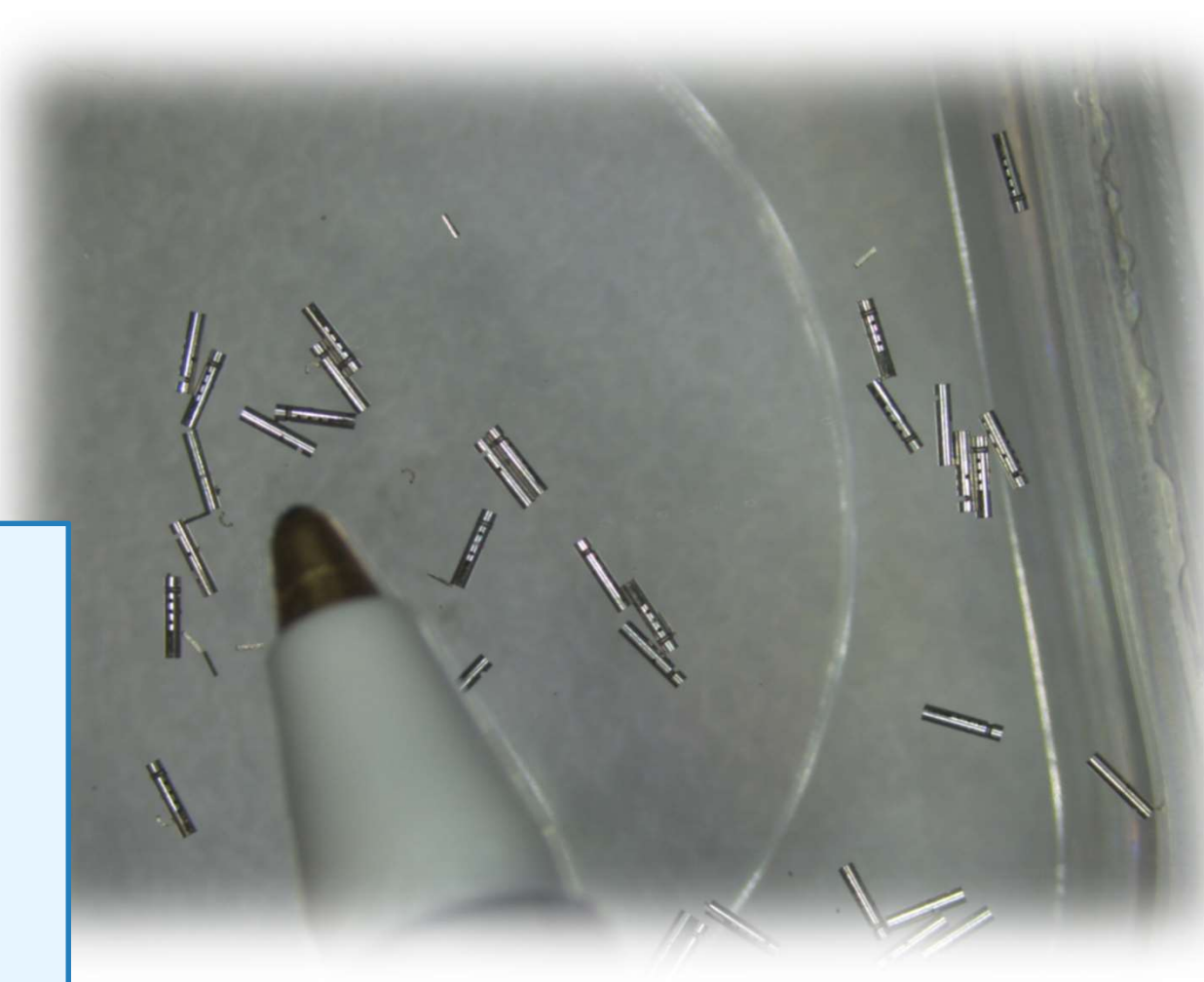
Overview



- Microlution MLTC
 - 4-Axis motion platform
 - GF Femto FlexiPulse Laser
- Part
 - Small Tube Handling Part
 - Material – Stainless steel
 - Number of features = 7
 - Cycle time per part = 12s



STH Validation Part Overview



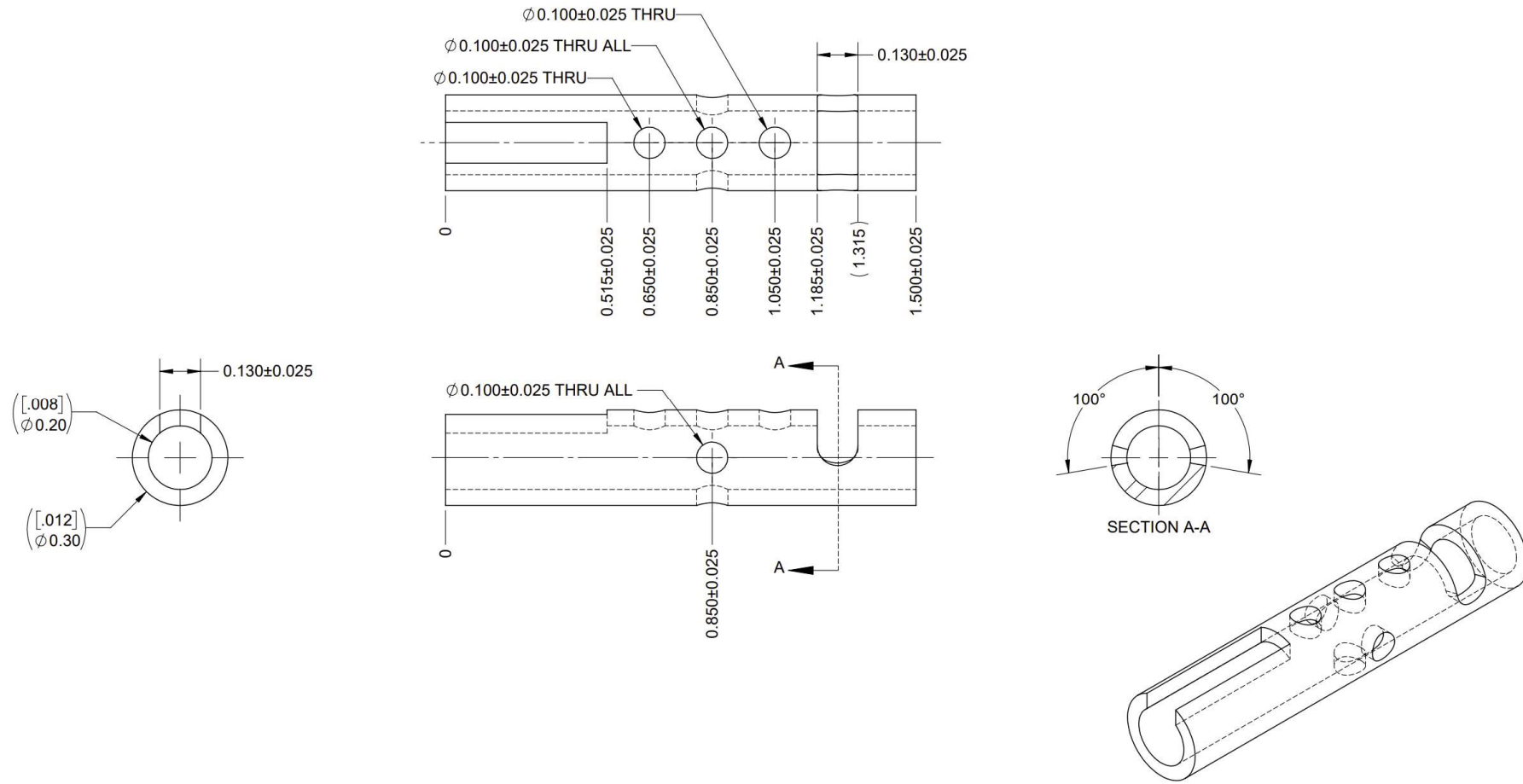
Overview

| | |
|----------------|--------------|
| Material | 4-series SST |
| Outer diameter | 305 μ m |
| Inner diameter | 203 μ m |
| Wall thickness | 51 μ m |
| # of features | 7 features |
| Cycle time | 12 seconds |

PROPRIETARY AND CONFIDENTIAL

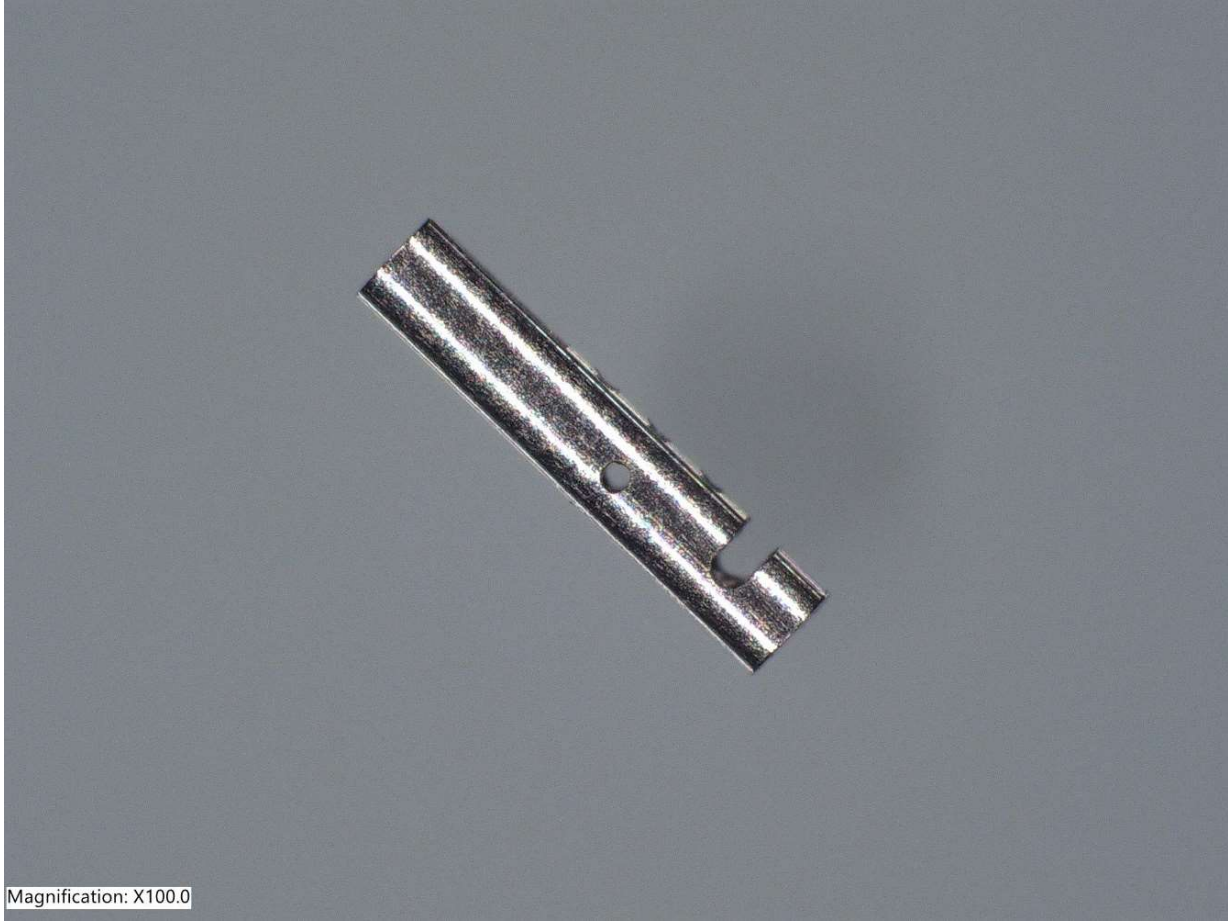
DO NOT SCALE DRAWING

| REVISIONS | | | |
|-----------|--------------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | RELEASED FOR FABRICATION | 8/6/2020 | KSZ |

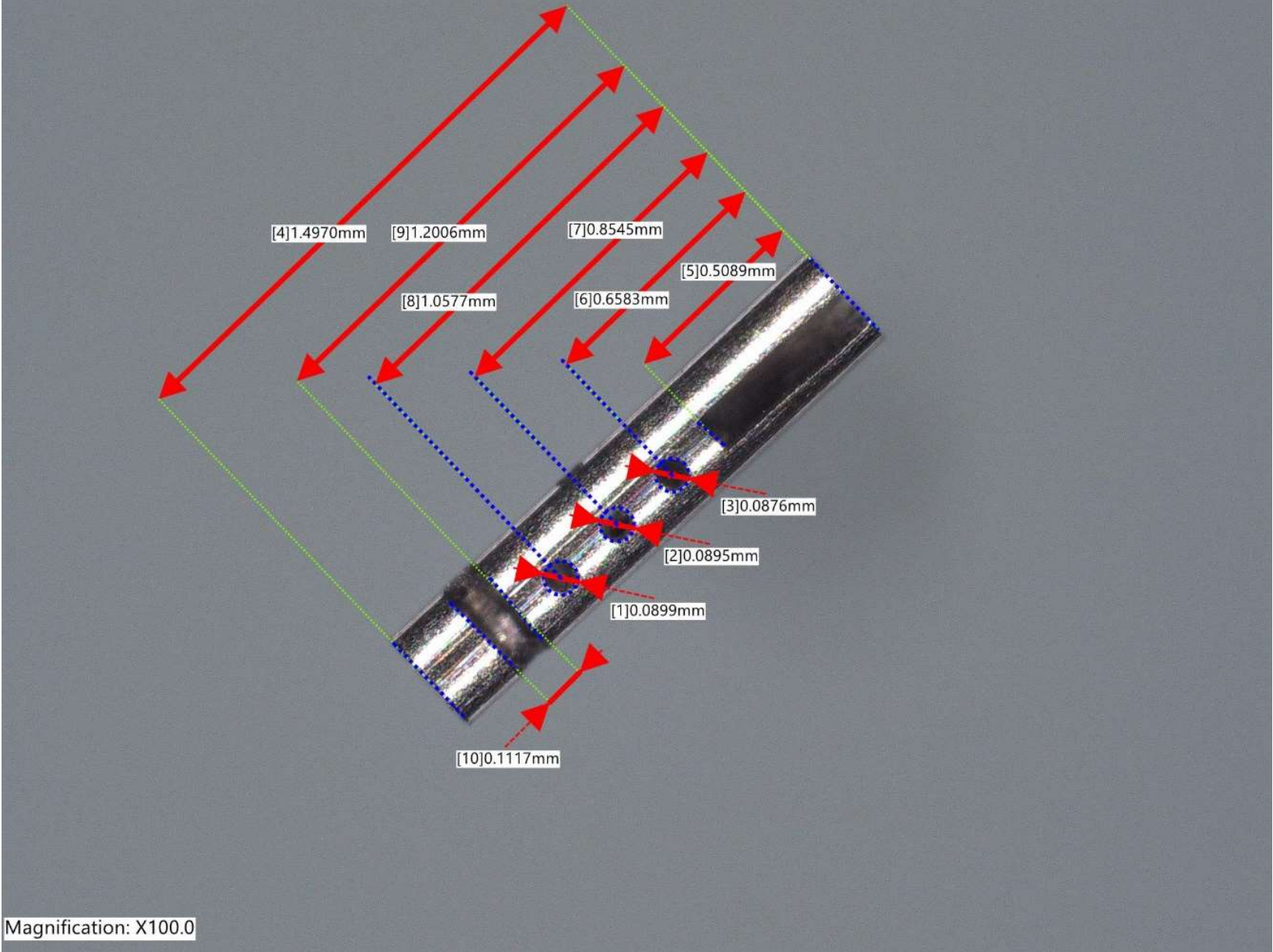


| | | | | |
|--|---|----------|-----------|---|
| GENERAL TOLERANCES UNLESS SPECIFIED OTHERWISE: | MATERIAL: SS 316 | NAME | DATE | TITLE: MLTC STH VALIDATION PART |
| DECIMALS | FINISH: | DESIGNED | 7/28/2020 | NO.: STH-1 |
| XXX | | DRAWN | 8/6/2020 | |
| XXXX | | CHECKED | 8/6/2020 | |
| | OTHER NOTES: BREAK ALL CORNERS, PLATED PARTS MUST MEET SPECIFIED TOLERANCES AFTER PLATING | APPROVED | 8/6/2020 | |
| ANGLES | | | | MICROLUTION INC. 6638 IRVING PARK RD. CHICAGO, IL 60634 |
| THIRD ANGLE PROJECTION | | | | SCALE: 80:1 SHEET: 1 OF 1 SIZE: B |

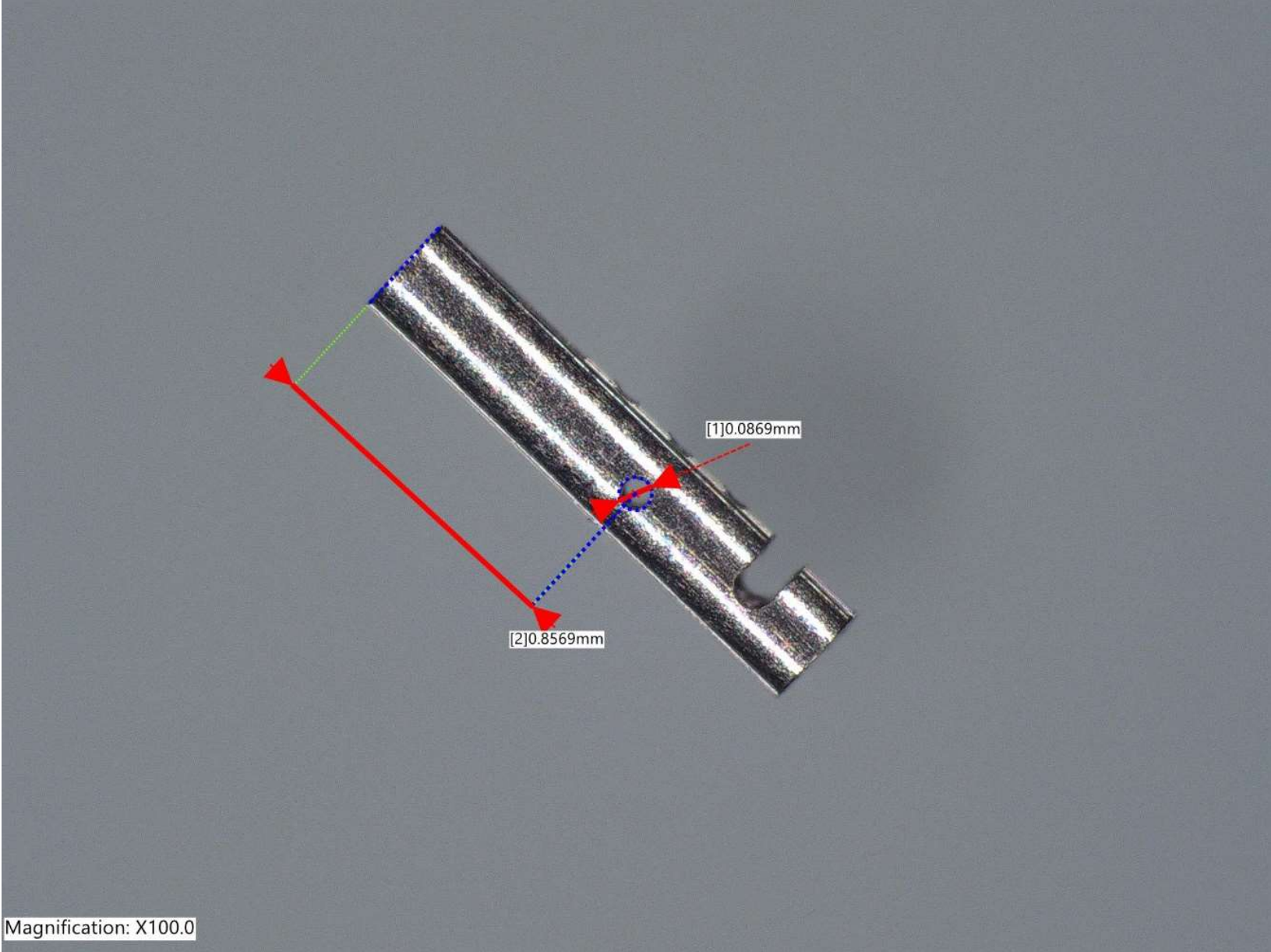
Images



Measured Part – 1/2



Measured Part – 2/2



+GF+

Thank you



GF Machining Solutions

**Passion for
Precision**