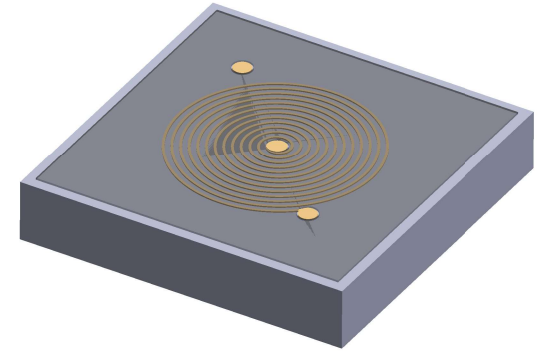
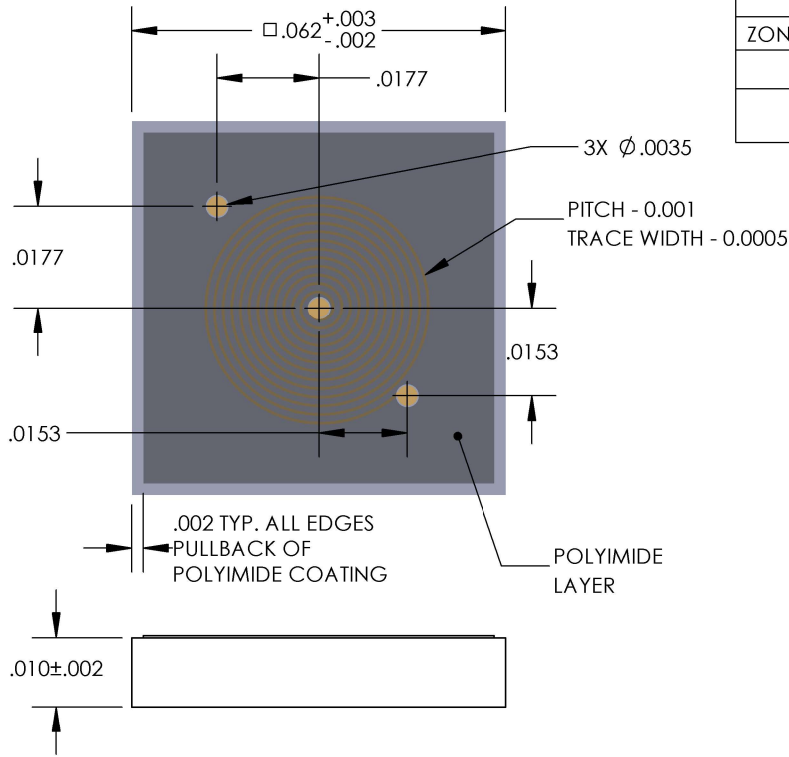
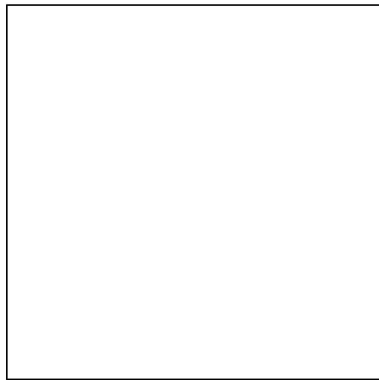



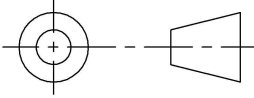

REVISIONS							
ZONE	REV	ECN#	DESCRIPTION	DATE	ENG. APPR.	QC. APPR.	PROD. APPR.
	A	3758	INITIAL RELEASE	7/9/2020			
	B	3943	REVISED BACKSIDE METALLIZATION; MAX DIMENSIONS	9/2/2020			



NOTES:

1. MATERIAL: QUARTZ
2. TURNS: 12.5
3. INDUCTANCE: 90nH TYP. @ 500 MHz.
4. DCR: 9.5 OHM MAX.
5. Q: 18/24(MIN/MAX) @ 500 MHz.
6. SRF SERIES: N/A
7. SRF PARALLEL: N/A
8. LOT TRACEABILITY REQUIRED WITH EACH MANUFACTURING LOT.
9. CERTIFICATE OF COMPLIANCE REQUIRED.
10. ALL PARTS SHALL BE LABELED WITH A UNIQUE LOT NUMBER WHICH SHALL BE IDENTIFIED ON ALL CONTAINERS HOLDING PARTS.
11. CLEANLINESS: THE PARTS SHALL HAVE NO FOREIGN MATERIAL ON THEIR INTERNAL OR EXTERNAL SURFACES AND SHALL BE CLEANED USING A REPEATABLE PROCESS.
12. MUST BE CAPABLE OF BOND PULL IN ACCORDANCE WITH MIL-STD-883, METHOD 2011.
13. MUST BE CAPABLE OF DIE SHEAR IN ACCORDANCE WITH MIL-STD-750, METHOD 2017 AND PER MIL-STD-883-2019.
14. BAKE TEST: 10PCS. @300°C FOR 5 MIN. IN OVEN(AIR ENVIRONMENT).
15. VISUAL & MECHANICAL INSPECTION TO COMPLY WITH THIS DRAWING & MIL-STD-883, METHOD 2010.



<p>UNLESS OTHERWISE SPECIFIED INTERPRET DRAWING PER ASME Y14.5 DO NOT SCALE THIS DRAWING</p>	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p>		<p><b>SemiGen</b>  RF PRODUCTS   SERVICES   SOLUTIONS</p>		<p>54 Grenier Field Rd. Londonderry, NH 03053 TEL.: (603)624-8311 FAX: (603)624-8312</p>							
	<p>NOTE: THIS DRW INCORPORATES THIRD ANGLE PROJECTION</p> 		<p>TOLERANCES ON</p> <table border="1"> <thead> <tr> <th>DECIMALS</th> <th>ANGLES</th> </tr> </thead> <tbody> <tr> <td>.X ± .1</td> <td rowspan="4">±0.5°</td> </tr> <tr> <td>.XX ± .02</td> </tr> <tr> <td>.XXX ± .005</td> </tr> <tr> <td>.XXXX ± .0005</td> </tr> </tbody> </table>		DECIMALS	ANGLES	.X ± .1	±0.5°	.XX ± .02	.XXX ± .005	.XXXX ± .0005	<p>TITLE</p> <p><b>OUTLINE, INDUCTOR, 12.5 TURN, (SG107)</b></p>
DECIMALS	ANGLES											
.X ± .1	±0.5°											
.XX ± .02												
.XXX ± .005												
.XXXX ± .0005												
<p>SemiGen CONFIDENTIAL INFORMATION SUBJECT TO NDA</p> <p><small>The information contained in this document or material is the valuable and confidential property of SemiGen Technology Solutions Holdings, Inc. and/or its subsidiaries or affiliates (collectively "SemiGen"), provided to you subject to a non-disclosure agreement between you and SemiGen solely for use in supporting SemiGen's business as and for the extent SemiGen authorizes in writing from time to time. This information shall be held in strictest confidence and shall not be reproduced, published, disclosed to others, or used for any purpose except as and to the extent specifically authorized by SemiGen in a separate written agreement. If permission is granted for reproduction, this legend must be included in any and all copies. This document or material shall be promptly returned to SemiGen or destroyed upon request, completion of the use for which it was made available to recipient, or termination of SemiGen's relationship with recipient, whichever first occurs.</small></p>	<p>UNLESS OTHERWISE SPECIFIED 63  ALL OVER</p>		<p>MATERIAL</p> <p><b>B</b></p>	<p>CAGE CODE</p> <p><b>3BBY6</b></p>	<p>DRAWING NO.</p> <p><b>OL 18934-8</b></p>							
	<p>FINISH</p>	<p>SCALE:</p> <p><b>30:1</b></p>	<p>WEIGHT</p> <p>/</p>	<p>SHEET 1 OF 1</p>								