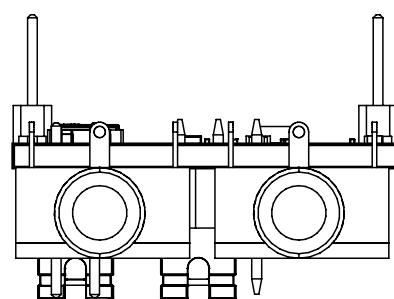
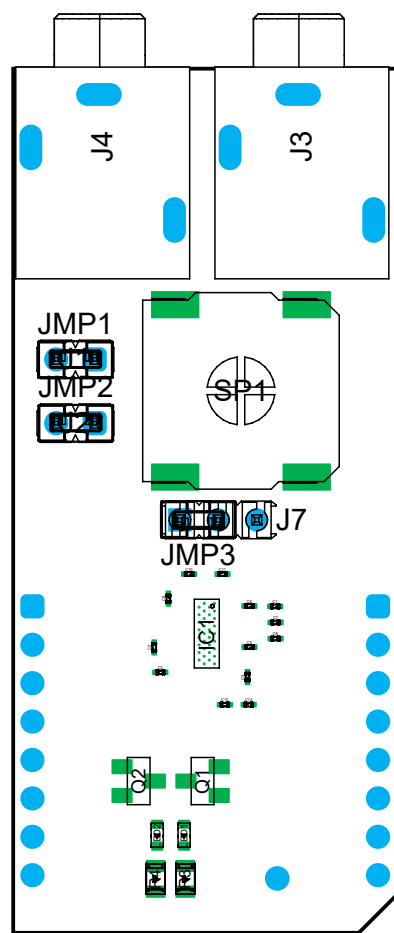


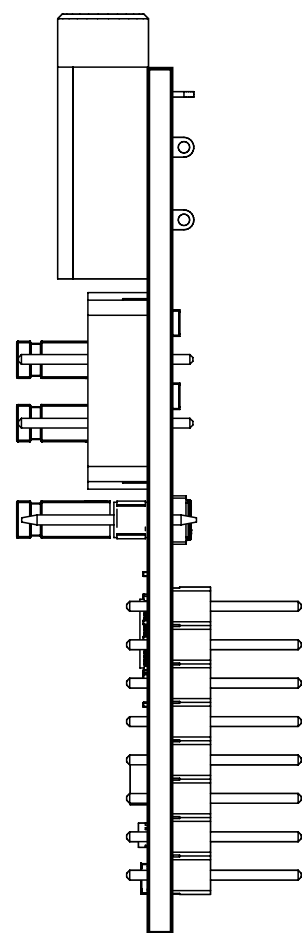
View from Left side (Scale 2:1)



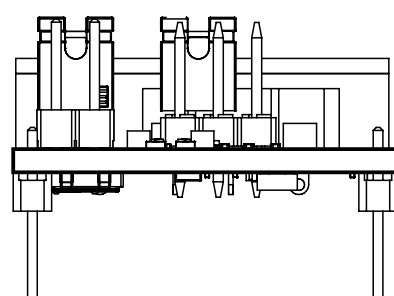
View from Back side (Scale 2:1)



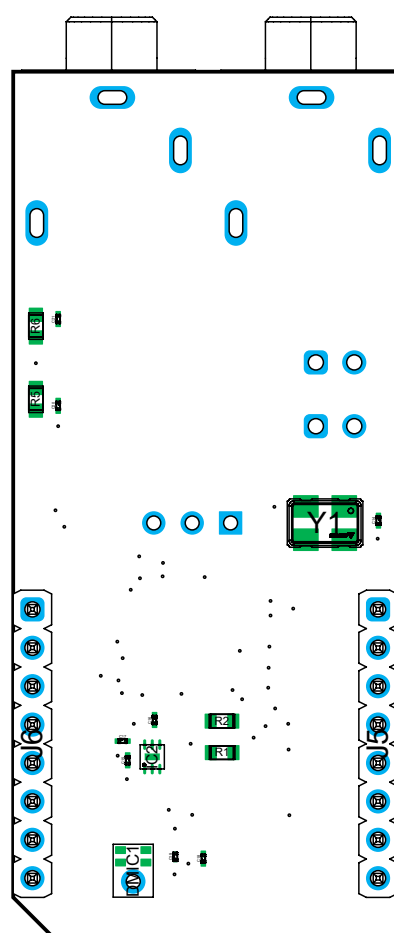
View from Top side (Scale 2:1)



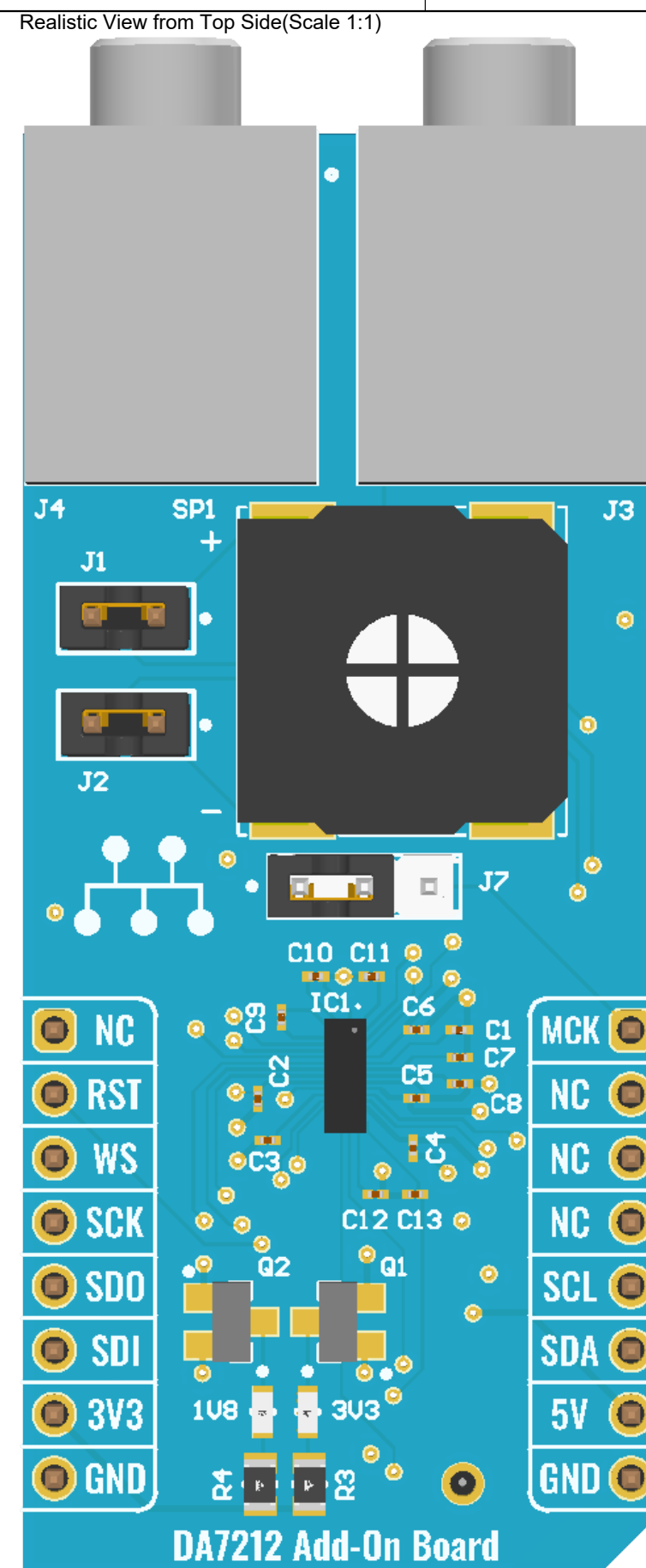
View from Right side (Scale 2:1)



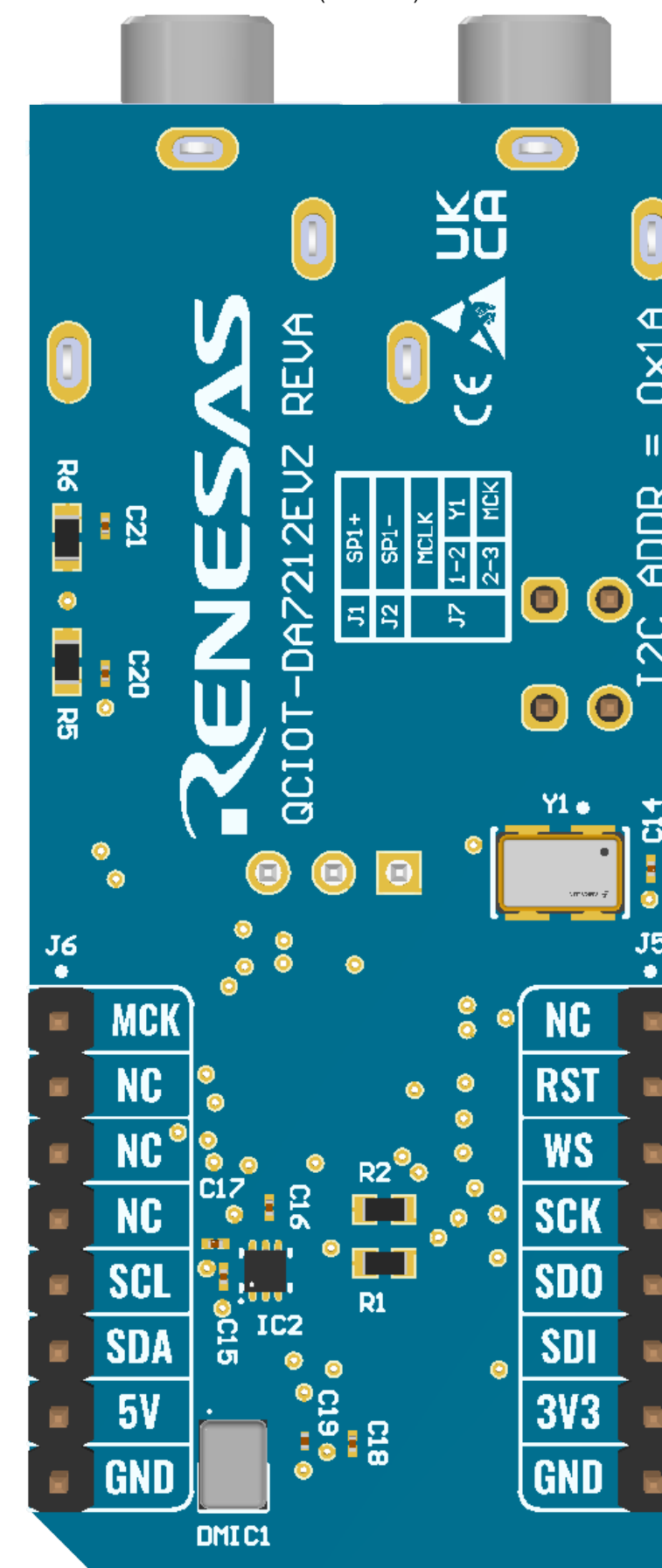
View from Front side (Scale 2:1)



View from Bottom side (Scale 2:1)



Realistic View from Top Side(Scale 1:1)




Realistic View from Botton Side(Scale 1:1)

## Assembly Notes

1. Assemble to J-STD-001.  
Workmanship and inspection to IPC-A-610 Class 2.
2. The solder reflow temperature profile defined in J-STD-020 should be used.
3. All assembly materials must be RoHS compliant.  
(RoHS 3, EU Directive 2015/863)
4. PCB shall comply with IPC-5704 cleanliness requirements.
5. Parts identification is described in parts list BOM.  
Parts not to be populated are called out as DNP in parts list BOM.
6. Assembly type: Mixed  
Single-sided through hole plus single-sided surface mount.
7. These assemblies are ESD sensitive.  
ESD precautions must be observed.
8. These assemblies must be clean and free of flux and all contaminants.  
Use of no-clean flux is unacceptable.
9. Prior to reflow, Kapton tape should be applied to the top surface covering the through-hole above DMIC1.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RENESAS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RENESAS IS PROHIBITED.

PROPRIETARY AND CONFIDENTIAL

|                                      |  |           |     |          |  |   |  |
|--------------------------------------|--|-----------|-----|----------|--|---|--|
| UNLESS OTHERWISE SPECIFIED:          |  | NAME      |     | DATE     |  |  |  |
| DIMENSIONS ARE METRIC TOLERANCES:    |  | DRAWN     | HVR | 6/2/2025 |  |   |  |
| FRACTIONAL±                          |  | CHECKED   | KK  |          |  | 710 Slater Rd Morrisville   |  |
| ANGULAR: MACH± BEND ±                |  | ENG APPR. |     |          |  | Suite 200 NC 27560  |  |
| TWO PLACE DECIMAL ±                  |  | MFG APPR. |     |          |  | TITLE   |  |
| THREE PLACE DECIMAL ±                |  |           |     |          |  | QCIOT-DA7212EVZ   |  |
| INTERPRET GEOMETRIC TOLERANCING PER: |  | Q.A.      |     |          |  |   |  |
| MATERIAL                             |  | COMMENTS: |     |          |  |   |  |
| FINISH                               |  |           |     |          |  |   |  |
| DO NOT SCALE DRAWING                 |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |
|                                      |  |           |     |          |  |   |  |