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CERTIFICATE OF COMPLIANCE

Outgassing Summary

To the best of the knowledge of Laird Technologies, this is to certify that the parts/products listed below meet the requirements of NASA Outgassing Testing per NASA specification SP-R-0022, Outgassing Specification.

The criteria are maximum of 1.0% TML and a maximum of 0.10% CVCM.

Fabricators wishing to meet the needs of the aerospace industry require that circuit materials meet NASA specification SP-R-0022, Outgassing Specification

%TML = Percent Total Mass Loss

%CVCM = Percent Collected Volatile Condensable Material

NASA Ref. Pub. 1124, "Outgassing Data for Selecting Spacecraft - materials", Sept. 1993

Materials Tested were tested using the following test method:

ASTM E595-15 – Standard Test Method for Total Mass Loss and Collected Volatile Condensable Materials from Outgassing in a Vacuum Environment

Ttape 1000A

Cure: n/a

%TML: 0.82%

%CVCM: 0.037%

Signature: Kaley Cancar
(Authorized Laird Representative)

Date: 4/19/2022

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