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Keplerlaan 1
2201 AZ Noordwijk
The Netherlands

Amphenol-Invotec Tamworth
att. H Swarbrick
Hedging Lane
Tamworth
B77 5HH
United Kingdom

Our ref.

ESA-TECMSP-LE-023847

Noordwijk, 16/07/2021

VISA: T Rohr

Subject: Qualification renewal of rigid polyimide PCBs from Invotec

Dear Mr Swarbrick,

Invotec submitted a sequential rigid polyimide PCB for qualification renewal to ESA in September 2020. The PCB showed several non-conformances to ECSS-Q-ST-70-60, as reported in ESA-TECMSP-AD-020677. ESA requested corrective actions in letter ESA-TECMSP-LE-021038. Invotec's response, are reported in "Response to ESA-TECMSP-LE-021038 Failed qualification renewal of rigid polyimide PCB from Invotec", dated 7 May 2021. In addition, a third-party investigation was performed and the acceptable results are reported in "2109a Amphenol Invotec Group 2+3 Test (WO 331773)". This response was reviewed and agreed by ESA and Invotec's main customer.

Invotec is considered qualified in accordance with ECSS-Q-ST-70-60C for the manufacture of Printed Circuit Boards as follows:

- Rigid sequential polyimide PCBs as per PID SM18T.iss.04 until 15 July 2022

Best regards,

Jussi Hokka
Materials & Processes Section