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**ACB
att M Van de Slyeke
Vosmeer 3
9200 Dendermonde
Belgium**

Our ref. ESA-TECMSP-LE-010251

Noordwijk, 29/06/2018


VISA: T Rohr (TEC-MSP)

Subject: Qualification renewal of polyimide PCBs from ACB

Dear Mr Van de Slyeke,

ACB submitted a PCB of polyimide sequential rigid-flex technology to ESA for qualification renewal in Oct 2017. Low tin-lead coverage, poor solderability and resin voids are reported as nonconformances in ESA-TECMSP-RP-007847. ACB provided corrective action report and third-party assessment in response to letter ESA-TECMSP-LE-008132, which have been approved by ESA. ACB submitted a new sample to ESA in May 2018 and the evaluation is reported in ESA-TECMSP-RP-009968. This sample still shows a few PTH with poor solderability as per 9.4.11 of ECSS-Q-ST-70-60. Upon further investigation by soldering a wire, as per note 3 of 9.4.11.5, it was concluded that solderability is acceptable.

ACB submitted a PCB of polyimide sequential rigid technology to ESA for qualification renewal in April 2018. The successful evaluation is reported in ESA-TECMSP-RP-009767.

ACB Dendermonde is considered ESA qualified in accordance with ECSS-Q-ST-70-10C for the manufacture of Printed Circuit Boards as follows:

Rigid sequential polyimide PCBs as per PID_SeqRigid_v180618 ed 2 **until 1 Aug 2019**
Rigid-flex sequential polyimide PCBs as per PID_FR_v180103 ed 3 **until 1 Aug 2019**

Best regards,

Stan Heltzel
Materials & Processes Section

