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| Customer | NECAS A/A | Contact | | | | | | Karl Kaas |
| Drawing No: | NanoPower-P31U-9 | Revision: | | | | | |  |
| P/O No: | In1-40506-1 | P/O Date: | | | | | | 19/3-2014 |
| Printca PN: | 40004a | Specification: | | | | | | ECSS-Q70-11C |
| Data package | 700-1680-050 (NanoPower P31U-9).zip | IPC |  | MIL |  | SPA |  |  |

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| --- | --- |
| 1. Contract review: | Comments |
| Compliance with PO | ok |
| Areas of non-compliance | ok |

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| 2.Design review: |  |  |
| DRC check | Ok |  |
| Changes requested | N/A |  |
| Changes Approved | N/a |  |

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| 3. Technical Review: |  |  |
| Stack-up: | 1,600mm + - 10% |  |
| Rigid-Flex: | N/a |  |
| Material: | Polyimid 85N |  |
| Test Coupons: | Acc. to ECSS |  |
| Electrical test | Acc. to ECSS |  |
| Compliance with PID | See point 7. |  |

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| 4. Risk Assessment: | | |
| Is there any particular risk identified with the manufacturing of this Product. | No |  |

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| 5. Summary of actions taken to mitigate addressed risk parameters (i.e. E-mails, meetings, training provided, process/procedure update, specifications or instructions raised): |
| None |

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| 6. Traceability of Modifications after DRC (Design Rule Checks): | | |
| Printca POC Reference | Customer POC for Agreement | Covers the modification ref. |
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| 7. Additional remarks or recommendations: |
| The boards are compliant to requirements defined in ECSS-Q-ST-70-11-C and our PID 1.13 which was ESA approved from May 2013 to Feb. 2014.  Be aware that per 1/2 - 2014 we are not considered qualified by ESA to ECSS-Q-ST-70-10-C as maintenance qualification is pending.  Boards are further tested with increased stress criteria of 3xTS288 and RWS380 to screen for good PTH integrity. |

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| 8. Signature: | | | |
| Approved by:  Printca CAM Engineer | Michael Peter Larsen | Date: | 24/03/2014 |
| Approved by:  Customer representative | Karl Kaas | Date: | 24/03/2014 |

Please note:

The order is on hold until a signed copy has been E-mailed to [pfa@printcagraphic.dk](mailto:pfa@printcagraphic.dk)