

## Justification for DCR about SMP electrical specification

For our proposal 19L002 for the ESCC 3402025001 we performed some electrical measurements with cable assemblies composed of the standard connector 19K107-270L5 and diverse standard cables and we looked for increasing the standard electrical specification. Our proposal was adopted from the ESCC as it stands. During the preparation of the evaluation, it has been found that we had considered too small tolerances for the cable connector 19LK107-270D3 (ESCC 3402025001) in connection with special cables for space application, particularly for frequencies from 28 GHz.

The modification proposed in the DCR consists in a release of the return loss specification in order to become robust with cable for space application:

Min. return loss

≥ 26 dB, DC to 10 GHz

≥ 18 dB, 10-30 GHz

≥ 15 dB, 30-40 GHz

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