

Technical Service Bulletin

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TSB # 29

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Per ECR # 5400

Product(s) affected:

Synthesized Up/Down Converters with Model Number UCSO-103-2 and DCSO-105-2 with firmware version 1.09 or earlier

Description of problem:

Change external reference operation as per Astrium request. Ref. Synthesized Converter Firmware Change Specification v1.20 dated 7/6/04.

Design change to resolve problem:

Firmware version 1.11 has been developed to address the customer requested change.

Instructions for modification:

Upgrade all converters w/ v1.11 firmware.

Units that must be modified:

Synthesized Up/Down Converters with Model Number UCSO-103-2 and DCSO-105-2 with firmware version 1.09 or earlier.

Units that do not need to be modified:

Units with firmware version 1.11 or higher.

Cognizant Engineer:
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Date:
9/29/2004