



TELEDYNE INSTRUMENTS

Advanced Pollution Instrumentation

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Service Note

95-034B
2 May, 2007

M300, M400, M401 V/F CARD ANALOG AND DIGITAL GROUND COUPLING

Scope: This Service Note provides the procedure to reconfigure V/F card (0051402 or 0051400) for use in API analyzers or the API calibrator with a single end input datalogger.

Procedure for the new V/F card (API part # 0051402):

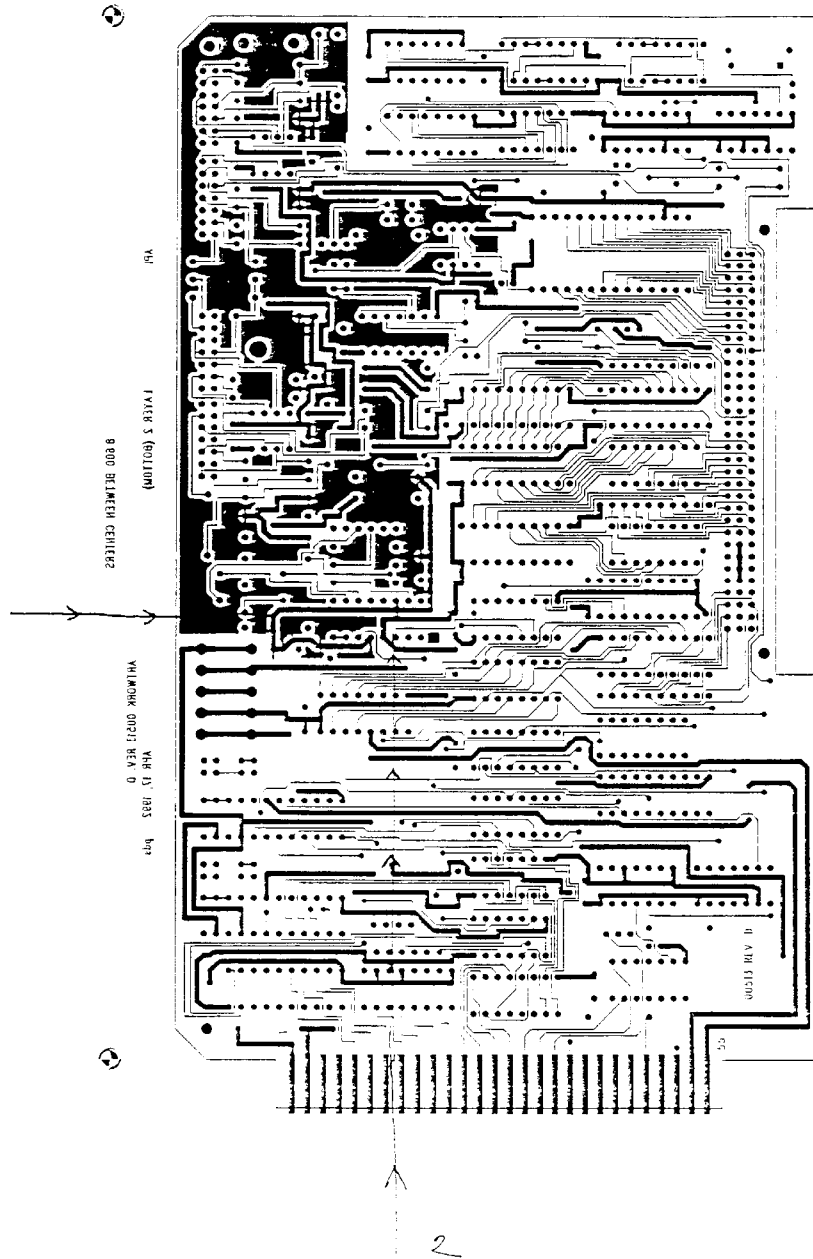
1. Turn power off.
2. Open front panel.
3. Remove jumper from JP1 connector on V/F card.
4. Install jumper on the motherboard to connect E1 to E2. This jumper is located directly behind the DCPS board (See drawing 00400, attached).
5. Perform A/D - D/A calibration.

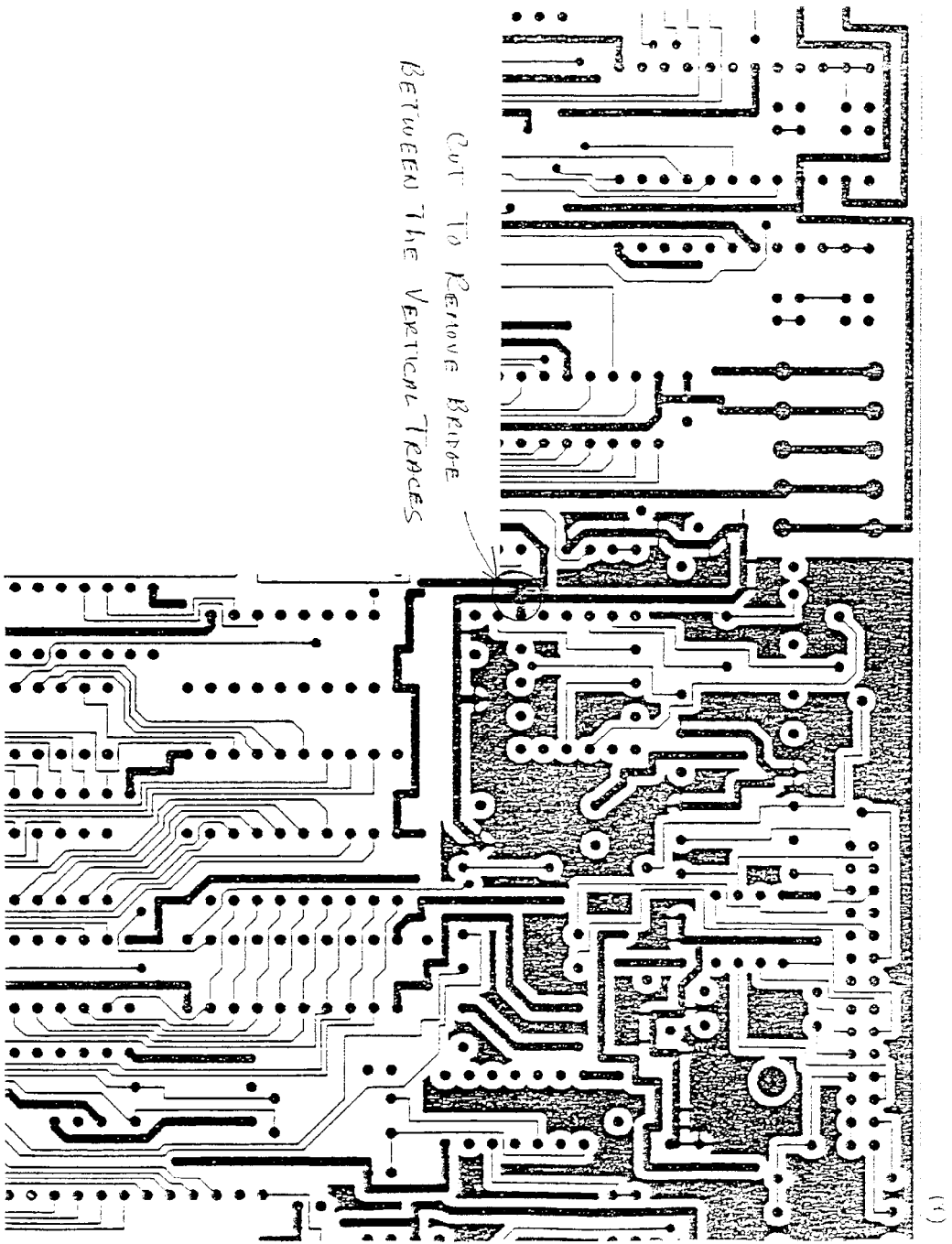
Procedure for the old V/F card (API part # 0051400):

Please follow the procedure above except for step 3.

3. Cut the trace on the solder side of the V/F card where the analog and digital grounds are tied together (see pictures attached).

If you need any further assistance, please do not hesitate to contact customer service at 1-800-324-5190.





CUT TO REMOVE BRIDGE
BETWEEN THE VERTICAL TRACES

(1)

