

OMC DCPD AA Chassis Measurement

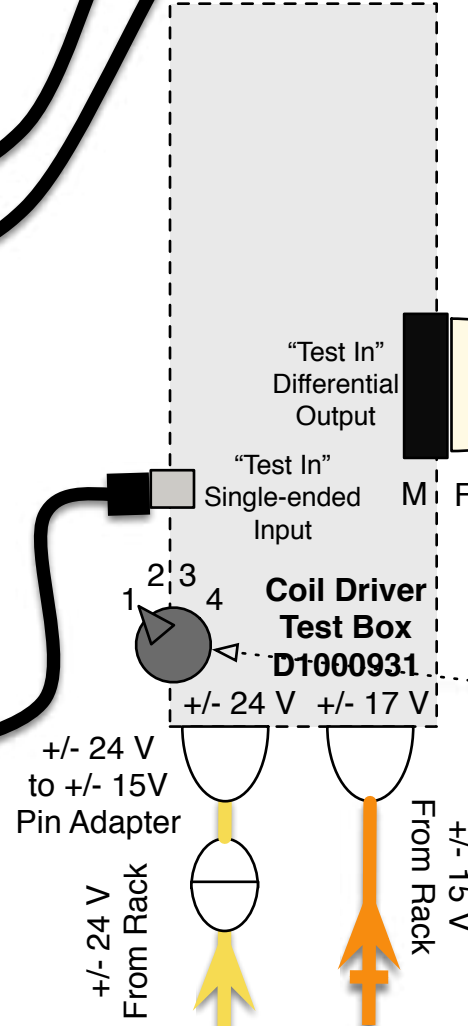
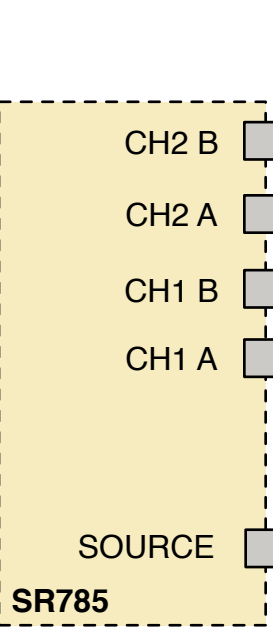
J. Kissel, 2019-04-09

DUT Setup

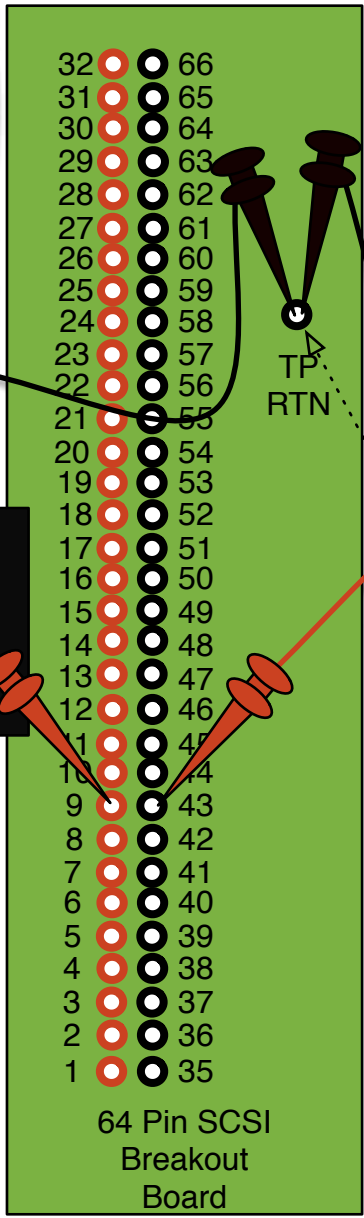
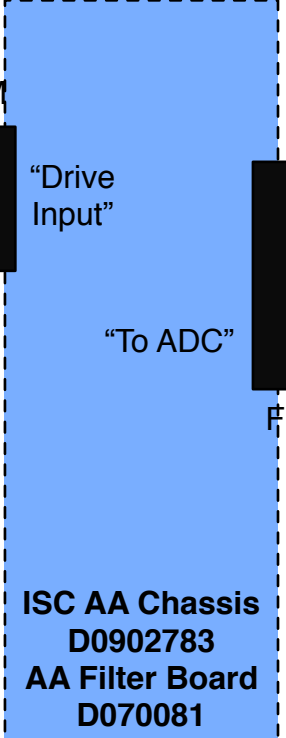
Be conscious of the Shields / Grounds / Returns in this measurement: floating / ill-defined electrical grounds result in several % level DC gain mysteries and poorly performing notches

DCPD Pins Are:
CH13 = 13 & 47
CH14 = 14 & 48

DCPD PI Pins Are:
CH15 = 15 & 49
CH16 = 16 & 50



Channel dial on front of box must match output pins (DCPD Channels are on CHs 13 & 14 (pins 1&6 / 2&7 on the input DB9), so Test Box should be set to CHs 1 and 2)

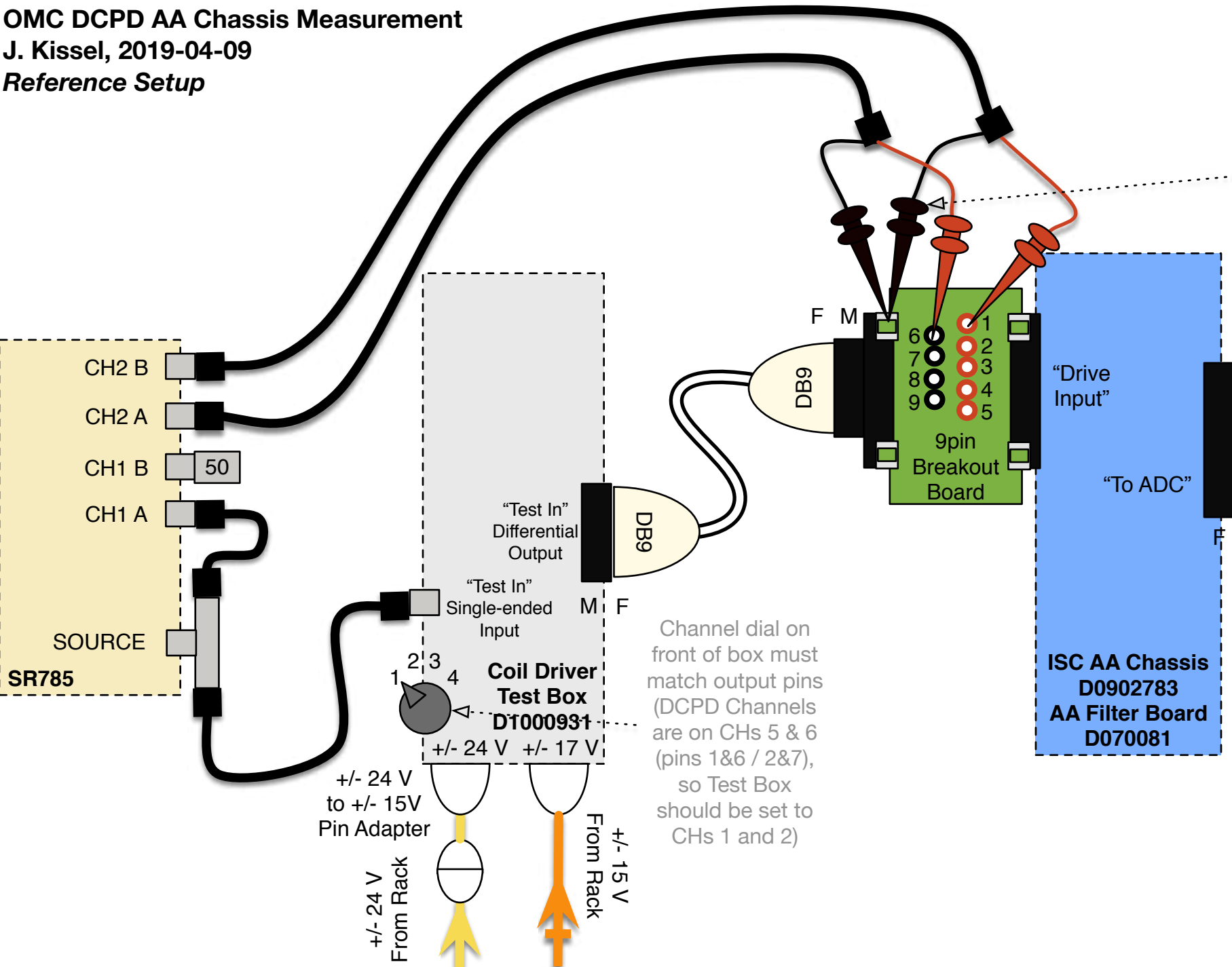


Shields connected to each other, and connected to chassis ground, i.e. “TP RTN” which is connected to pins 33, 34, 67, and 68 at the back of the board.

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Reference Setup



Shields of Differential Signal on BNC Returning to SR785 MUST be connected to the same ground as the shield on your "Test In" from the SRC

The boxes are poorly designed in this respect, so it's up to you to figure out what part of your output is connected to ground.

Channel dial on front of box must match output pins (DCPD Channels are on CHs 5 & 6 (pins 1&6 / 2&7), so Test Box should be set to CHs 1 and 2)

**ISC AA Chassis
D0902783
AA Filter Board
D070081**