

To: X3T10.1 Membership

X3T10.1/96a104r0

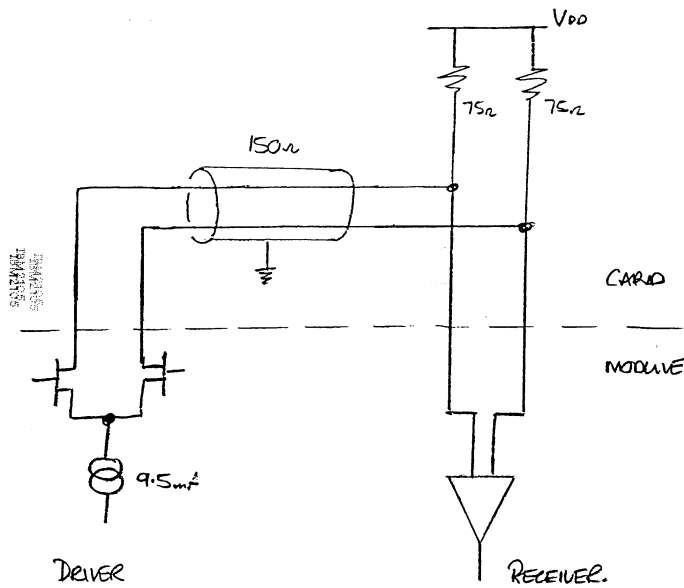
From: P. Murfet

Subject: Source Terminations Options

Date: January 1996

96A104r0

SSA20 TERMINATION



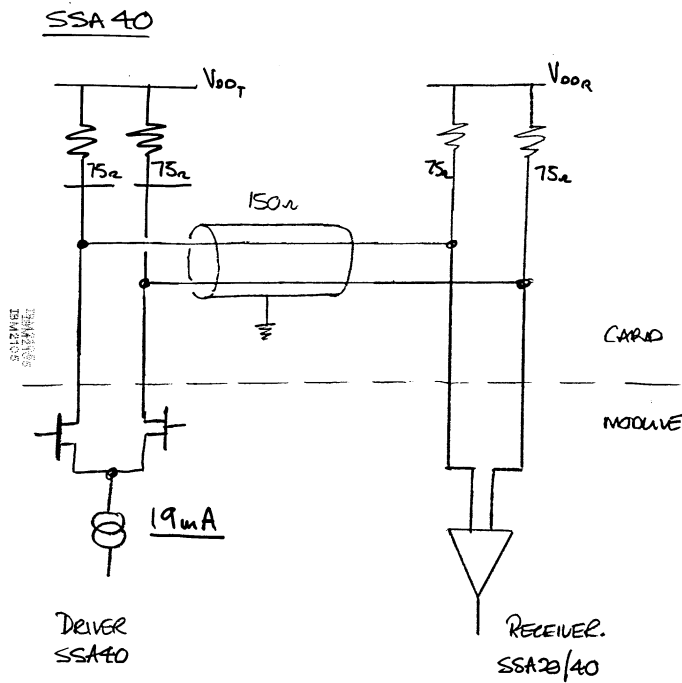
96A104r0

NEAR END TERMINATION REQUIRED?

ALTERNATIVE

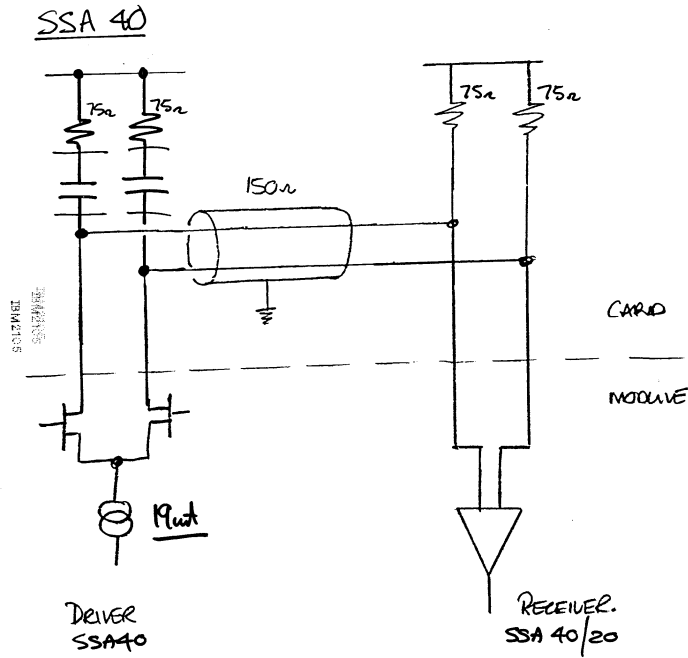
- * HIGHER ERROR RATES
- * SHORTER CABLE
- * MORE EXPENSIVE CARDS, BACKPLANE, SILICON...
- * SSA40 WOULD BE KNOWN AS A DIFFICULT STANDARD TO USE

96A104A0



- * SSA20 COMPATIBLE.
- * RECEIVE EYE UNCHANGED & DRIVER.
- * RECEIVER DC COMMON MODE CHANGE (WITHIN SSA20/40)
- * DC CURRENT PATH

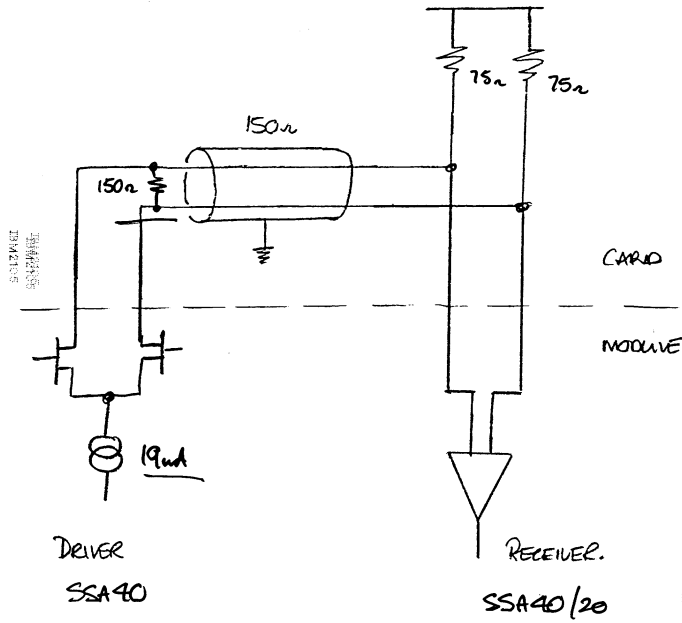
96A104B0



- * SSA20 COMPATIBLE
- * RECEIVER EYE UNCHANGED & DRIVER
- * RECEIVER DC COMMON MODE CHANGE
-356mV (WITHIN SSAPH1)

96A104EC

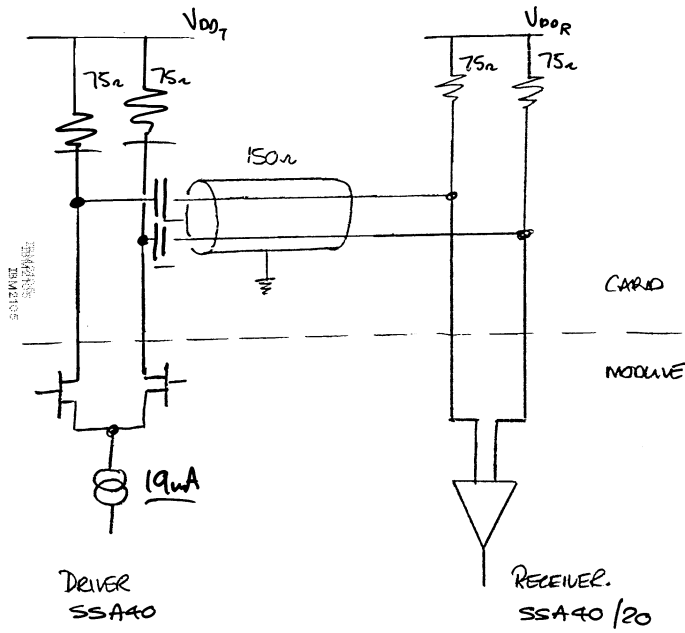
SSA 40



- * SSA20 COMPATIBLE
- * RECEIVER EYE UNCHANGED & DRIVE
- * RECEIVER COMMON MODE INPUT -356mV (WITHIN SSA40/20)

96A104D0

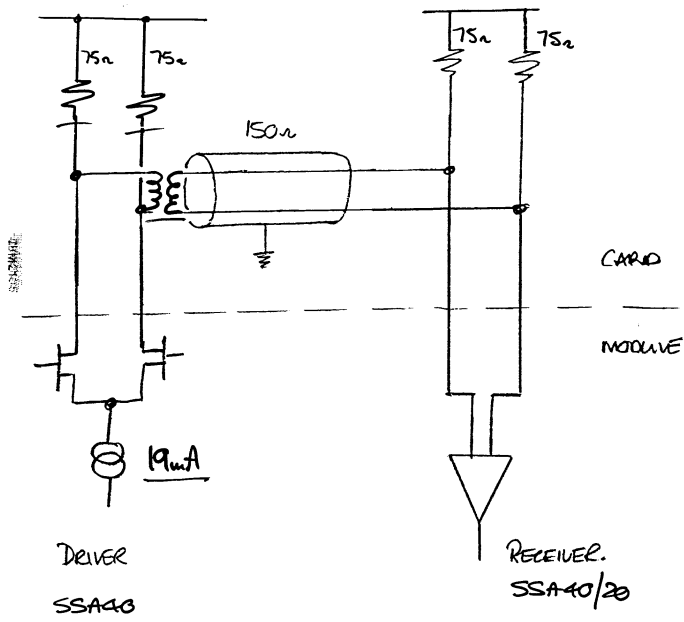
SSA 40.



- * SSA20 COMPATIBLE
- * RECEIVER EYE UNCHANGED.
 & DRIVER.
- * RECEIVER DC COMMON MODE
 +356mV (WITHIN SSA40)

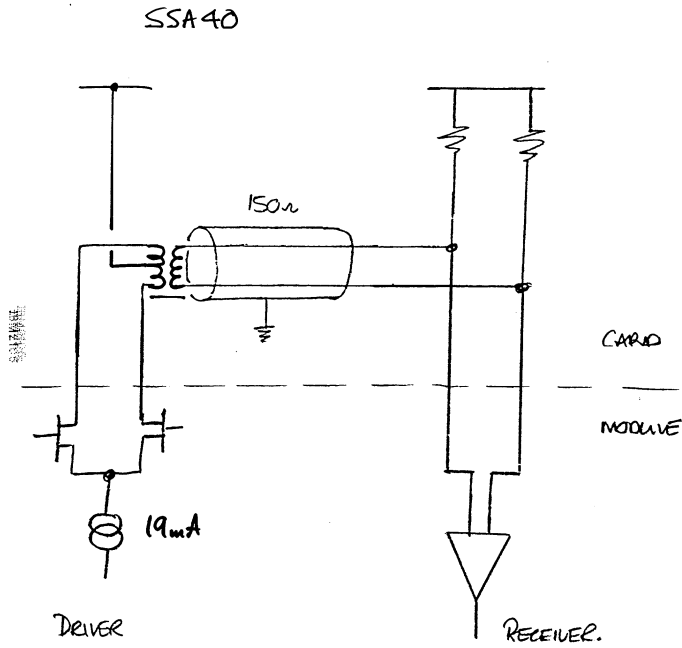
96A104E0

SSA40



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96A104F0



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96A10460

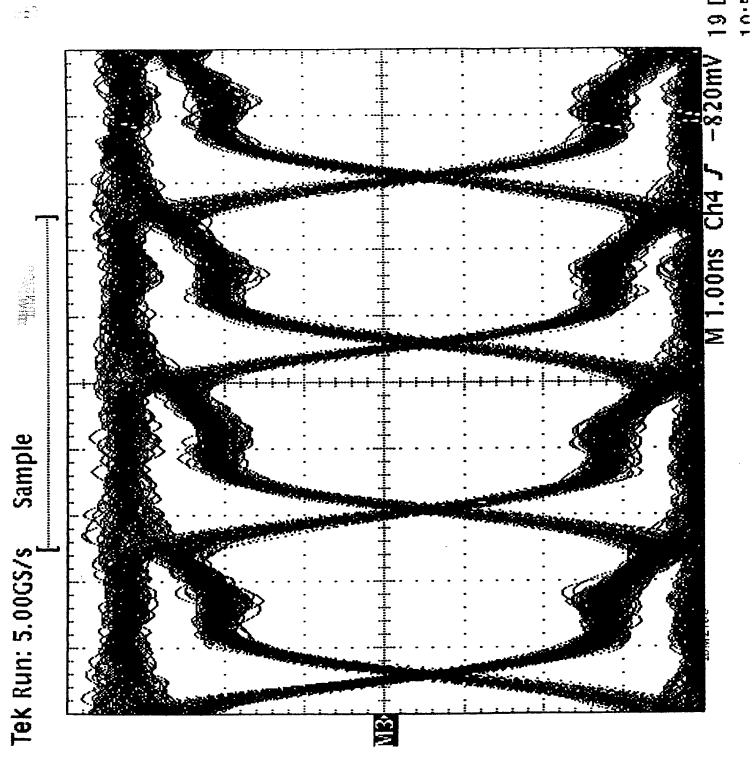
SSAAO TERMINATION

SOULMART
SOLUTIONS

- * RECEIVER TERMINATION
MUST NOT CHANGE.
- * DOUBLE OUTPUT CURRENT
+ DRIVER TERMINATION
OPTION FOR PH2.
- * IMPROVE COMMON MODE
INPUT DEFINITION FOR
PH1 & 2.
- * RECOMMEND A PREFERRED
METHOD ---- ?

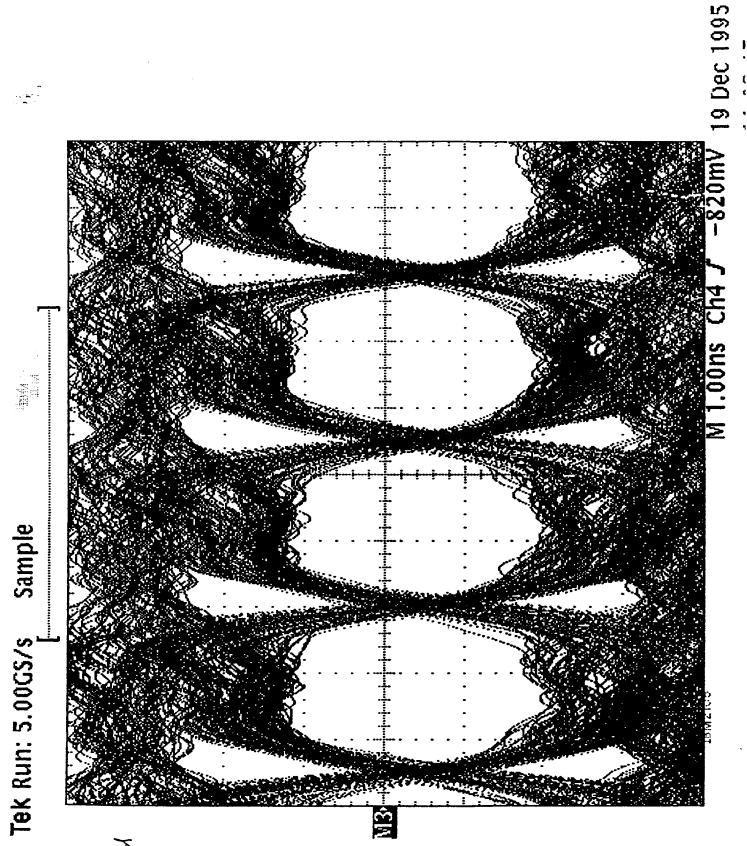
SOULMART
SOLUTIONS

96A104H0



in 28 gang
Doble terminated

96A104E0



1m 28 giga
Single terminated

96A104TD