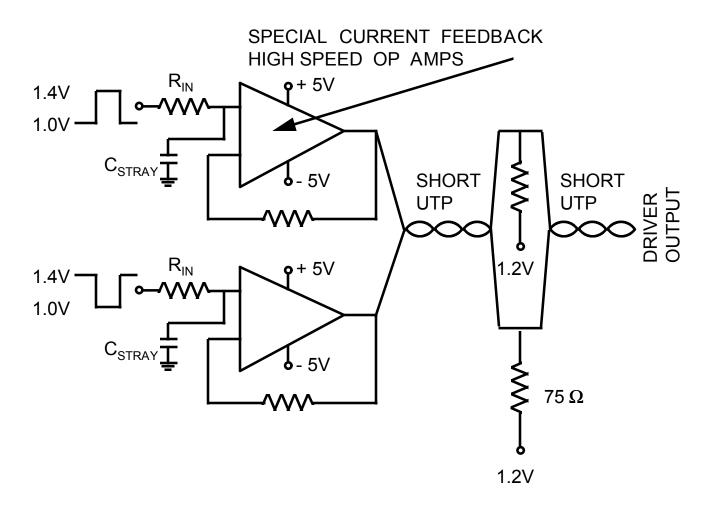
SYSTEM EFFECTS OF VOLTAGE MODE DRIVERS AND SLEW RATES FOR LVD SCSI

- A SYSTEM WAS IMPLEMENTED TO SIMULATE A CONTROLLABLE VOLTAGE MODE DRIVER
- THIS SYSTEM ALLOWS THE PRIMARY BUS EFFECTS OF VOLTAGE MODE DRIVERS AND SLEW RATES TO BE TESTED
- THIS DRIVER AND THE INITIAL RESULTS
 ARE SHOWN IN THE FOLLOWING SLIDES
- ONCE AGAIN WE USED SYMMETRICAL SIGNALS AND SYMMETRICAL TERMINATION FOR TESTING PURPOSES
- THE NEED FOR RELATIVELY PRECISE ASYMMETRICAL DRIVERS IS FURTHER SUPPORTED
- VOLTAGE MODE DRIVERS APPEAR CAPABLE OF EASILY MEETING THE LATEST CONFIGURATION RULES

X3T10/96-187r0 LVD SCSI VOLTAGE MODE DRIVER DATA

SINGLE SIGNAL VOLTAGE MODE DRIVER SIMULATION

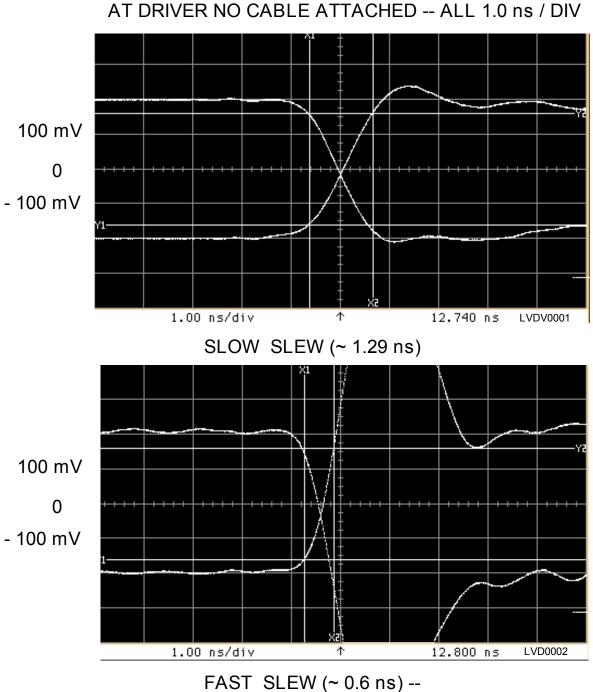


OUTPUT EDGE SLEW RATE ADJUSTED BY CHANGING RIN

47 Ω RISE TIME ~ 0.6 ns (NO CABLE ATTACHED) 402 Ω RISE TIME ~ 1.3 ns (NO CABLE ATTACHED)

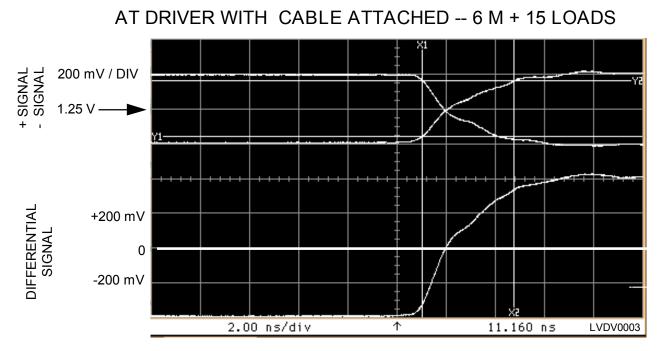
OUTPUT VOLTAGE CAN BE DIRECTLY ADJUSTED BY CHANGING THE INPUT SIGNALS

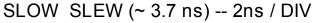
LVD SCSI VOLTAGE MODE DRIVER DATA

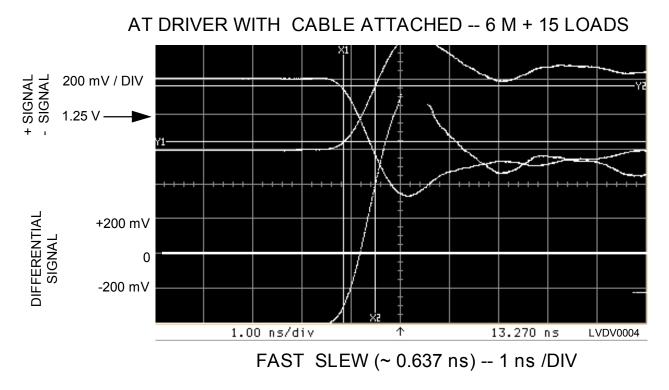


FAST SLEW (~ 0.6 ns) --OVERSHOOT DUE TO OP AMP; REMOVING SOURCE TERMINATORS HAS VERY LITTLE EFFECT -- RECALL CURRENT MODE HAD A 2X SIGNAL EFFECT

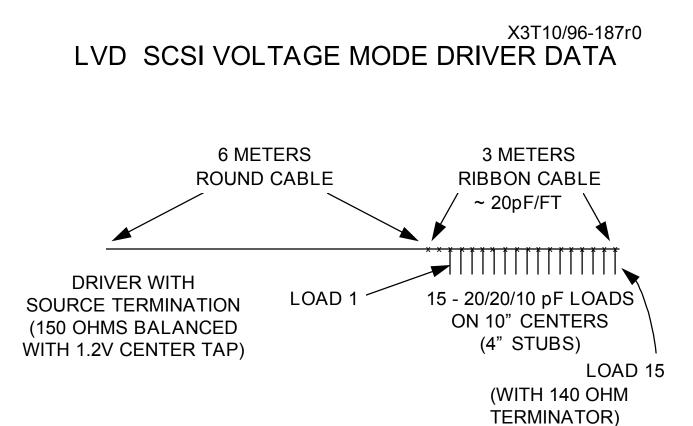
X3T10/96-187r0 LVD SCSI VOLTAGE MODE DRIVER DATA





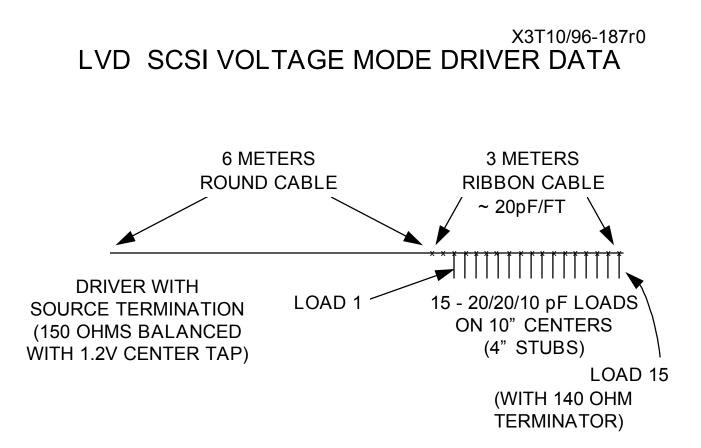






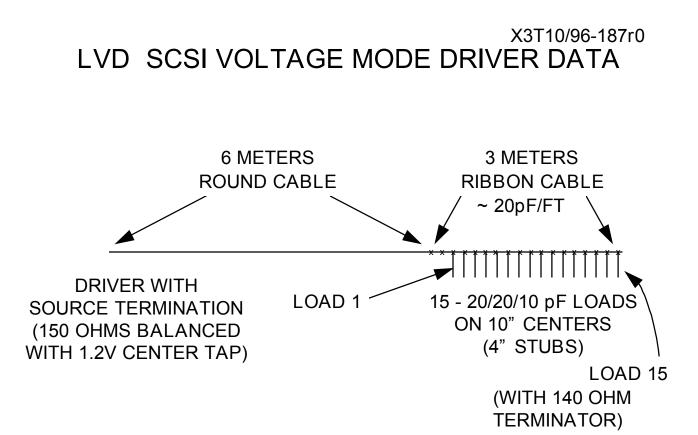


AL EQUIFINIENT SFI-2 WORKI



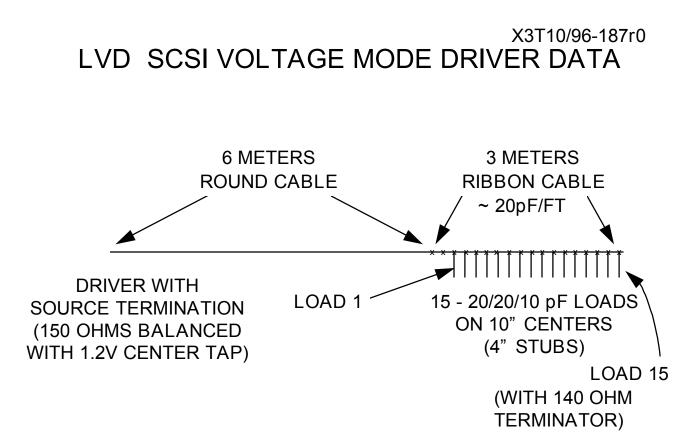


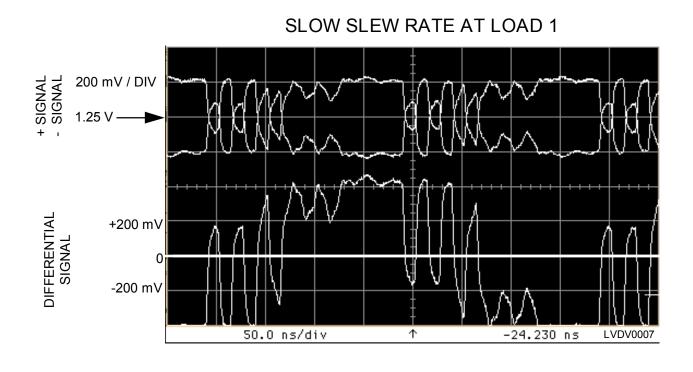




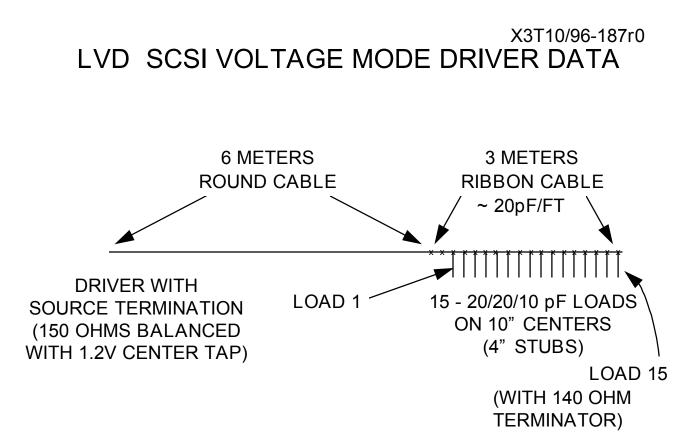






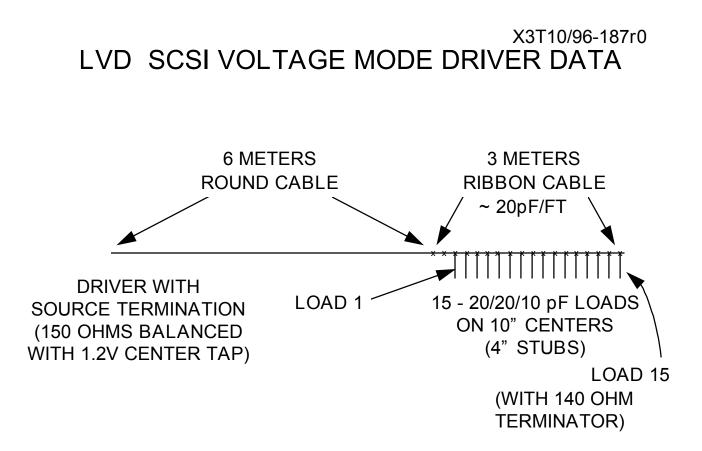














AL EQUIPMENT 3FI-2 WORKING

