A NUMBER OF EXPERIMENTS WERE CONDUCTED ON THE PERFORMANCE OF MULTIDROP PARALLEL SCSI AT HIGHER SPEEDS

THE RESULTS INDICATE SEVERE ISSUES WITH FAST 80 USING THE SAME CONFIGURATION RULES AS FAST 40 -- THIS HAS NOTHING TO DO WITH SYMMETRICAL OR ASYMMETRICAL DRIVERS

EFFECTS OF PSEUDO RANDOM DATA PATTERNS WERE NOTED TO BE SIGNIFICANT AT FAST 80 AND ABOVE

GOOD RESULTS FOR 3 METER POINT TO POINT SEGMENTS AT FAST 125 WERE FOUND

EVEN POINT TO POINT AT 13 METERS AND FAST 80 (WITH MIXED CABLE TYPES 10+3) HAD SEVERE DIFFICULTY

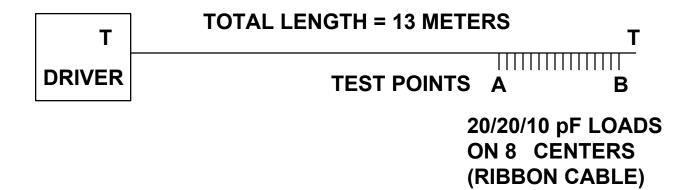
OPERATION AT FAST 80 AND ABOVE GREATLY BENEFITS FROM SHORTER CABLES

FULL OPERATION APPEARS POSSIBLE AT FAST 80 FOR 3 METER SEGMENTS (LOADED OR UNLOADED)

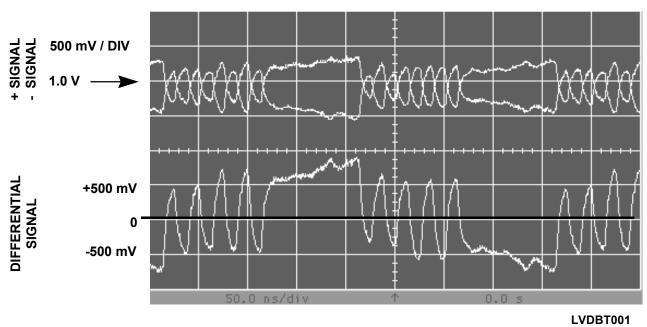
THE BEHAVIOR OBSERVED SUGGESTS THAT MULTIDROP SEGMENTS AT ELEVATED DATA RATES WILL NEED MORE COMPLEX MODELS AND CONTROLS THAN PREVIOUSLY THOUGHT

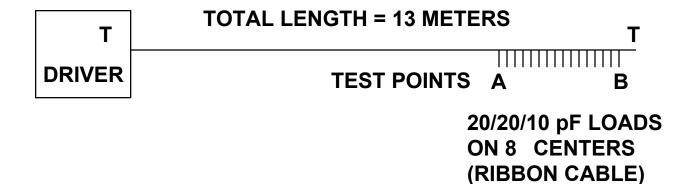
THE EFFECT OF LOADS ARE NOT ALWAYS THE DOMINANT FACTOR AT HIGH SPEEDS

A COMBINATION OF SHORTER SEGMENTS, LIMITING THE IRREGULARITY IN THE CLOCK PULSES, AND OTHER KNOWN EFFECTS IS SUGGESTED TO TAKE SCSI TO THE NEXT SPEED PLATEAUS (PROBABLY FAST 100)

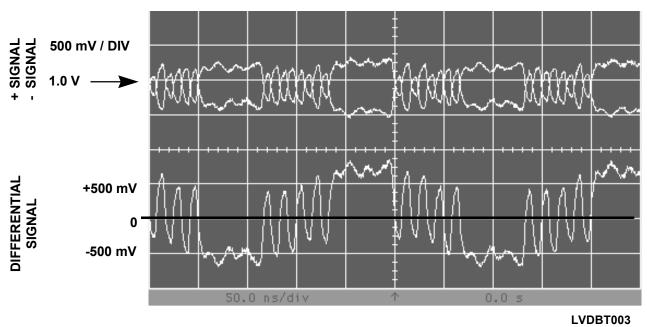


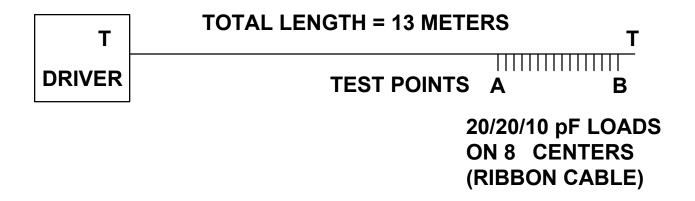
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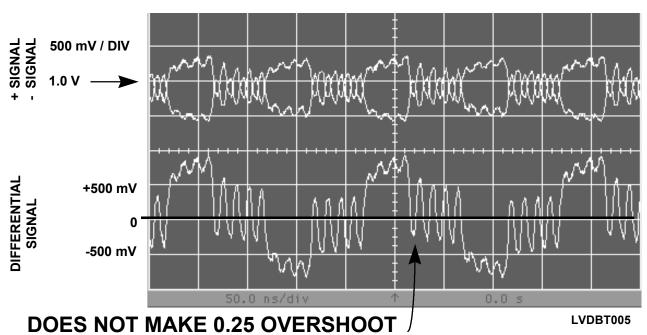


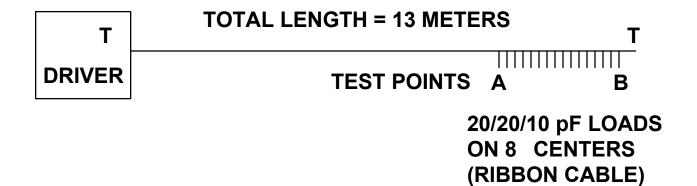
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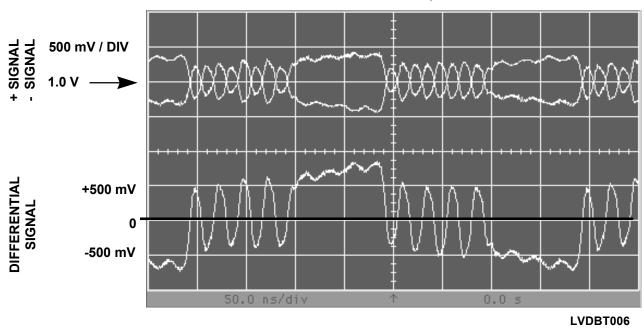


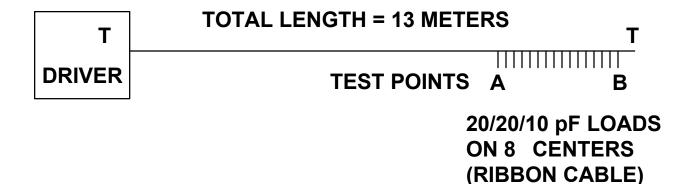
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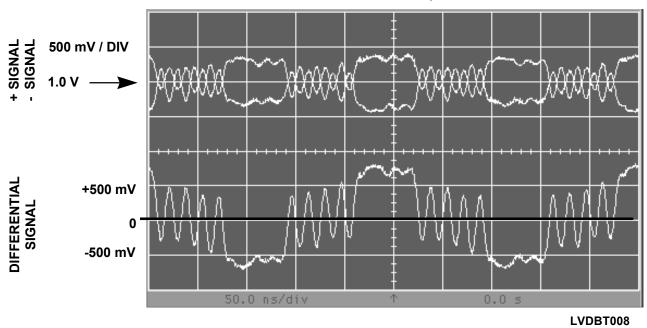


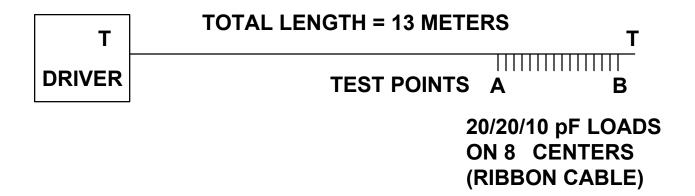
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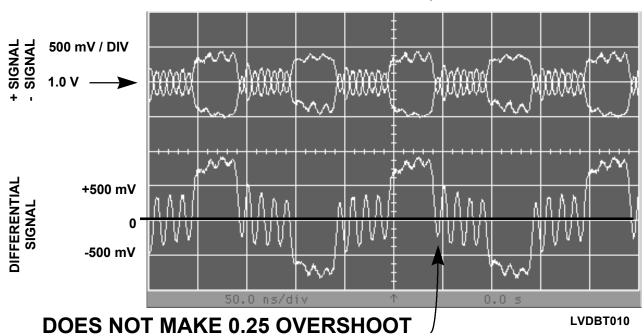


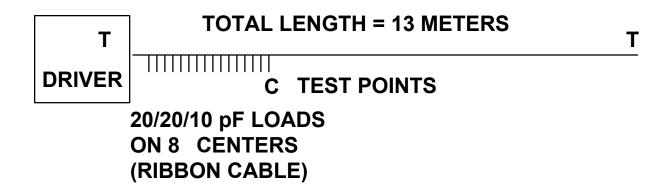
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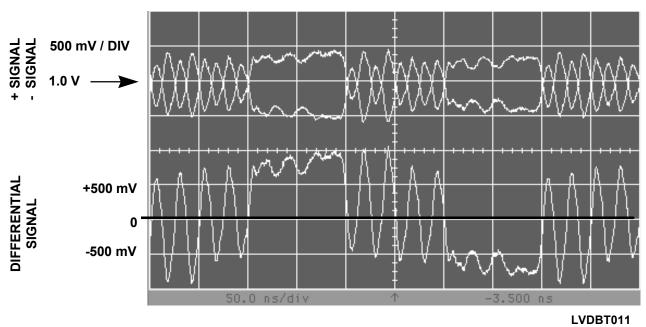


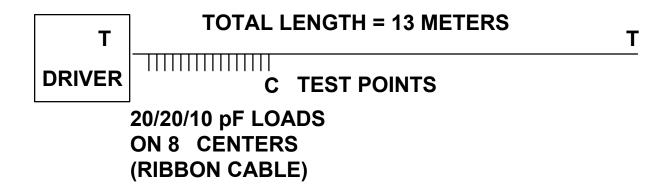
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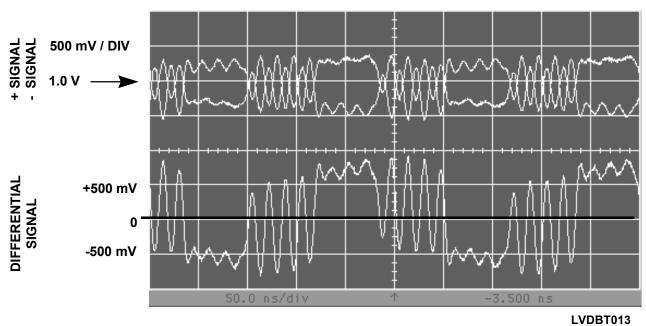


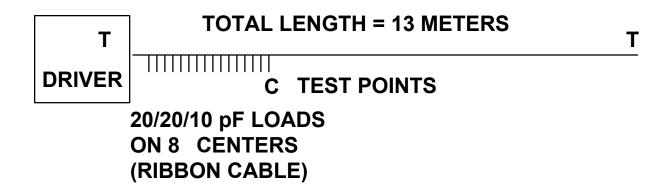
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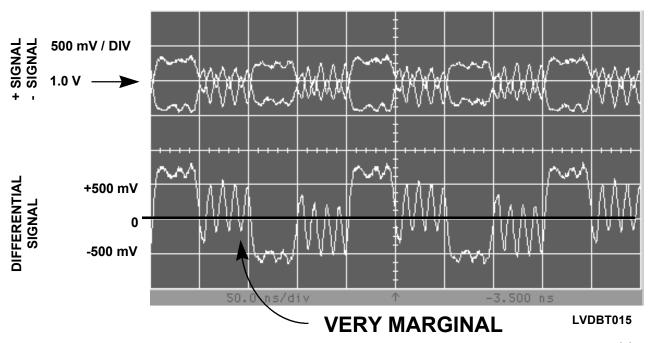


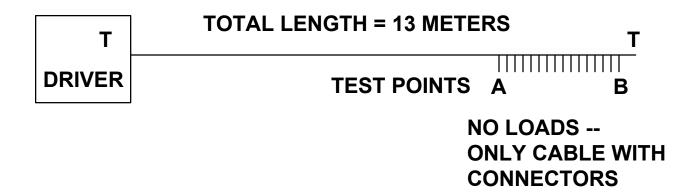
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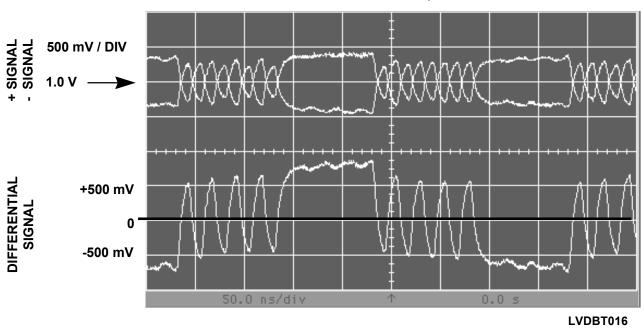


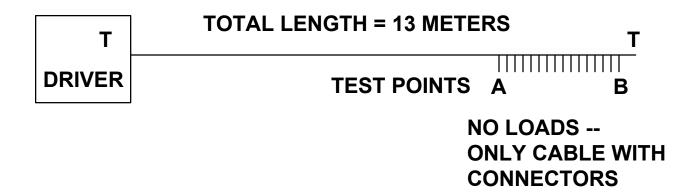
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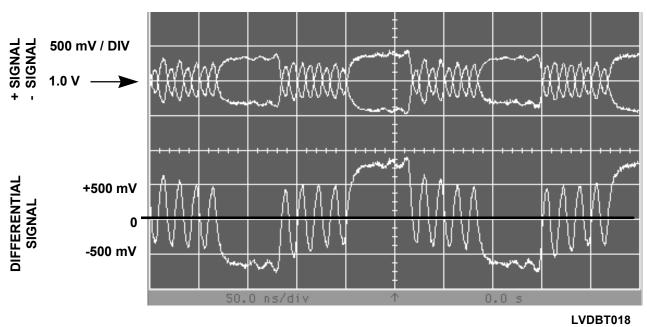


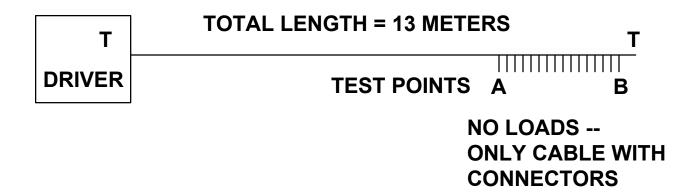
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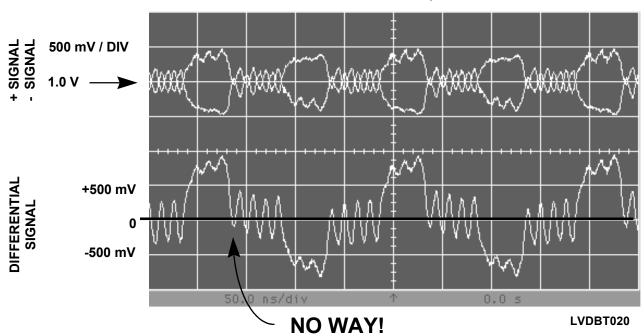


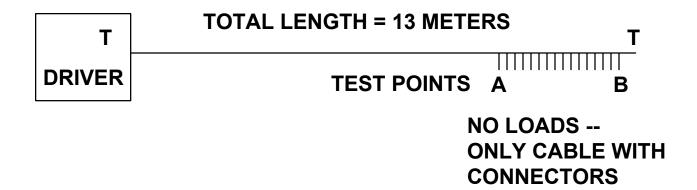
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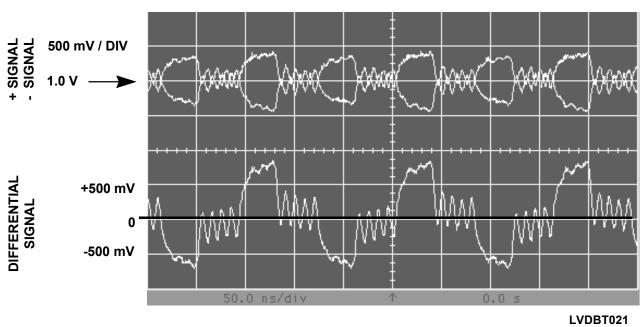


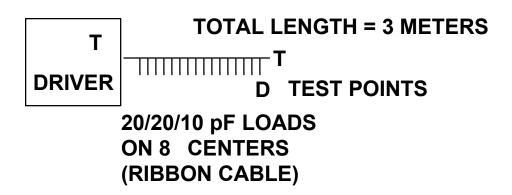
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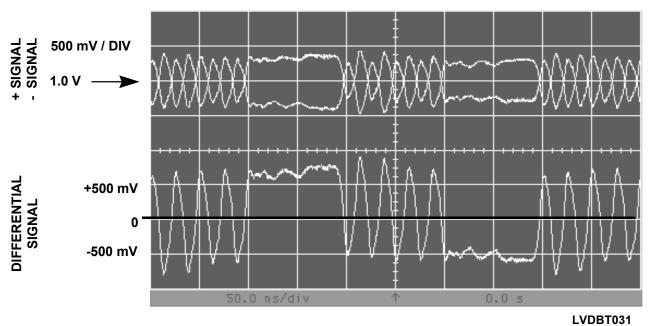


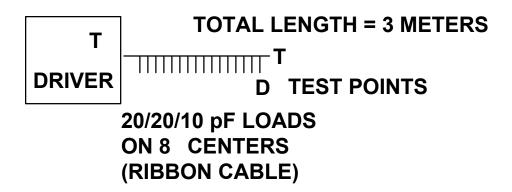
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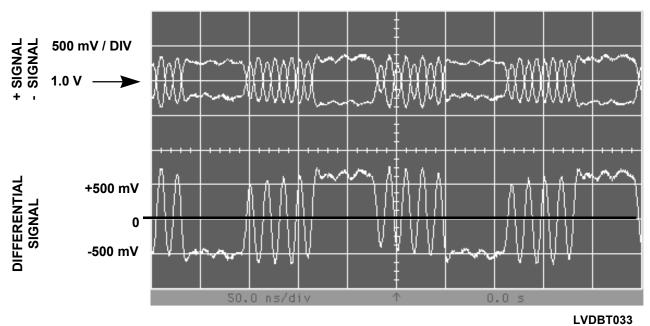


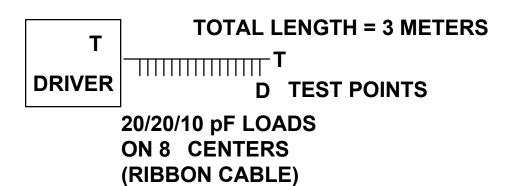
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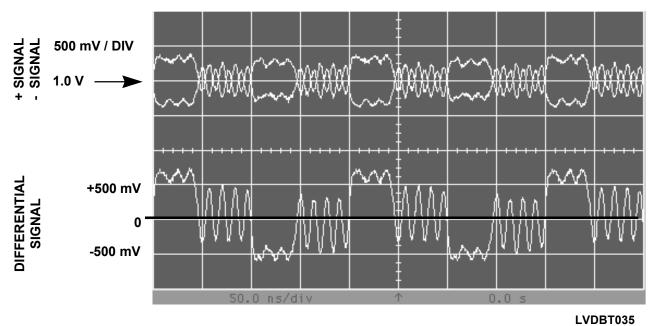
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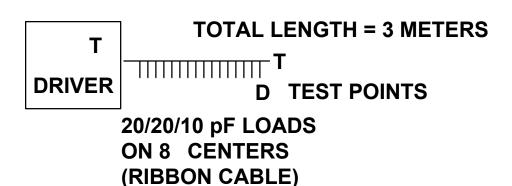




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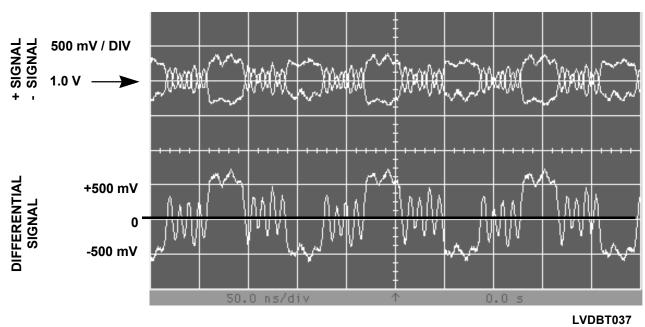
NOTE: PSEUDO RANDOM PATTERN (NOT SHOWN) WAS NOT QUITE AS GOOD AS THIS

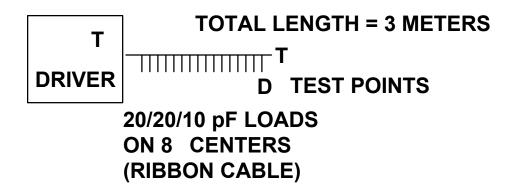




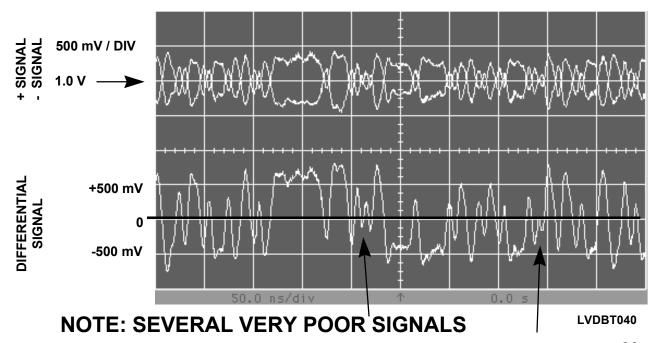
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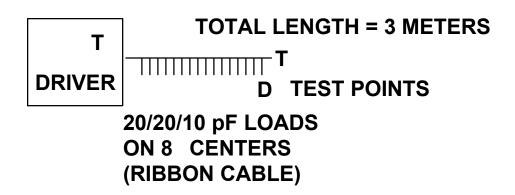
NOTE: PSEUDO RANDOM PATTERN (SEE NEXT SLIDE)
WAS SIGNIFICANTLY WORSE THAN THIS



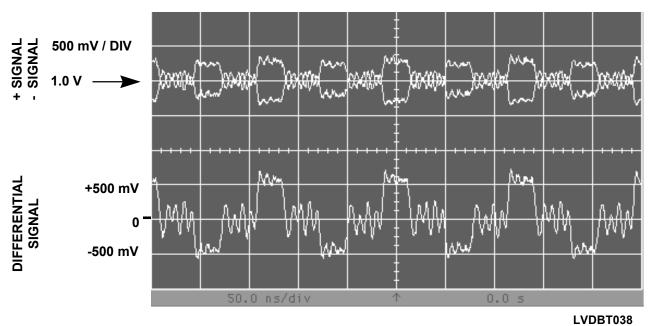


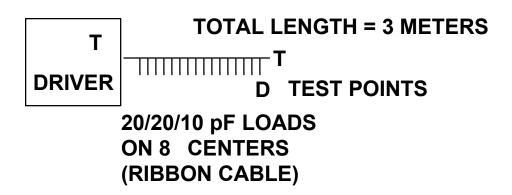
PSEUDO RANDOM DATA PATTERN



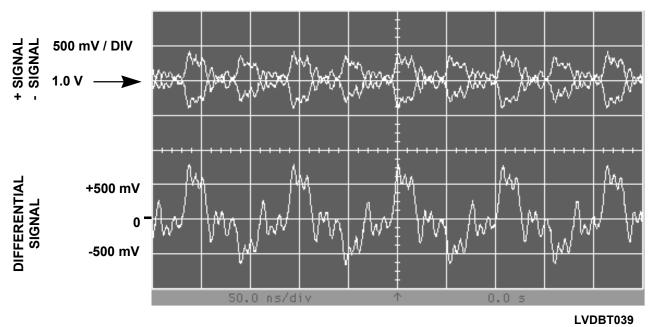


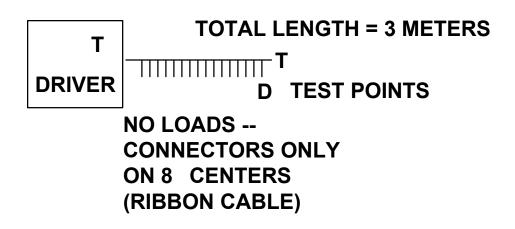
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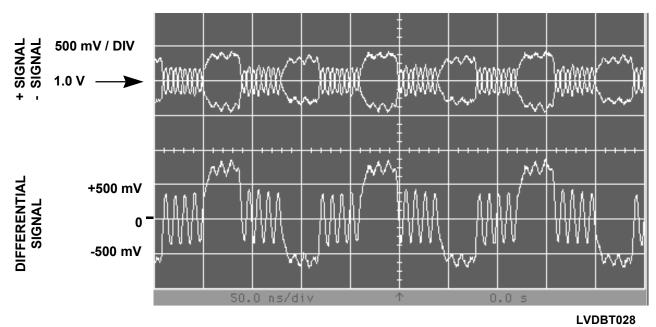


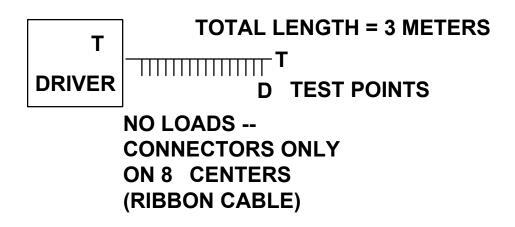
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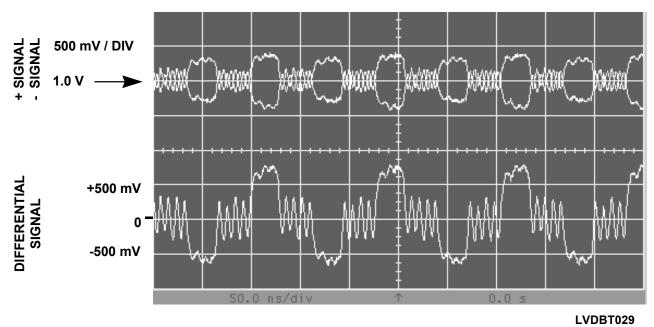


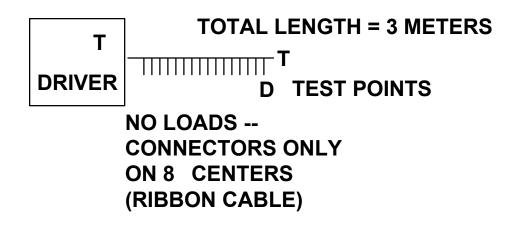
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