

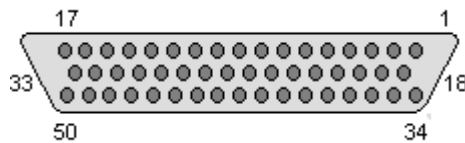
TimeLine Lynx-2 Transport Connector Pinout

by Bill Bainbridge (brainditch)

The following has been copied (hopefully verbatim) from the Lynx-2 User's Manual; first found in Table Chapter 3-4 (pg. 3-12), then with additional information regarding associated I/O devices in the Appendix, pg.37. All abbreviations and capitalizations are as printed in the Manual. Refer to Figure 1 (page 3), for ID numbers of pins on actual connector. Pinout items in **Boldface** type are described quite differently, utilized for the first time, or possibly modified functionally as compared to the Transport Port from the original Lynx-1. Caution should be exercised when swapping from, or obtaining cables for a Lynx unit to prevent inadvertent damage or malfunction.

<u>Indexed by pin number</u>	<u>Relay or I/O Device</u>
1. Ground	
2. Transport ground sense	
3. Stop (still) command.....	U16B, U17B
4. Capstan frequency output.....	U5F
5. N/C	
6. Lifter drop command.....	U18D, U19D
7. Fast forward/direction command.....	U16C, U17C
8. Record tally.....	U15C
9. Auxiliary in 2.....	U14B
10. Lock Light or Ch 4 insert command.....	U27
11. Channel 1 insert command.....	U20B, U21B
12. Rehearse command.....	U27
13. Servo relay-A N/C.....	K1
14. Servo relay-B common.....	K1
15. Servo relay-B N/O.....	K1
16. RS422 (-)/RS232 TX (-).....	JP2, U40
17. N/C	
18. +5v (50 ma max)	
19. Record-off command collector (+).....	U18B, U19B
20. Search command collector (+).....	U18A, U19A
21. Adapter Detect	
22. AUX Out Opto.....	U20D, U21D
23. Transport command common	
24. Rewind command.....	U16D, U17D
25. Play Tally.....	U15D
26. Tach direction sense.....	U15B

- 27. **Channel 2 insert command**..... **U20C, U21C**
- 28. **Video insert command or Ch 3**..... **U20A, U21A**
- 29. Servo relay-A N/O..... K1
- 30. Servo relay A common..... K1
- 31. Servo relay-B N/C..... K1
- 32. **RS422 TX (+)**..... **JP2, U40**
- 33. **N/C**
- 34. Ground
- 35. Record-off command emitter (-)..... U18B, U19B
- 36. Search command emitter (-)..... U18A, U19A
- 37. Play command..... U18C, U19C
- 38. Search volts out..... U44A
- 39. Capstan volts out..... U45C
- 40. Record-on command..... U16A, U17A
- 41. Auxiliary in 1..... U14A
- 42. Tach pulse in..... U15A
- 43. **AUX Out O/C**..... **U27**
- 44. -12v (**50** ma max)
- 45. +12v (**50** ma max)
- 46. Mute relay N/O..... K2
- 47. Mute relay N/C..... K2
- 48. Mute relay common..... K2
- 49. **RS422 RCV (-)/RS232 RCV (-)**..... **U40**
- 50. **RS422 RCV (+)**..... **U40**



**Figure 1. 50-pin D-Sub Female Connector
as viewed from the Interface Side**

Note: To make the assembly of cables easier, it may be convenient to utilize the pinout diagram for the opposite gender, since they are mirror images of one another. That way, when soldering or crimping, and facing the assembly from the wiring side, no further mental gymnastics need be applied to correctly wire the cable. The following page provides an enlarged image of the opposite gender pinout for your assembly convenience in Figure 2.

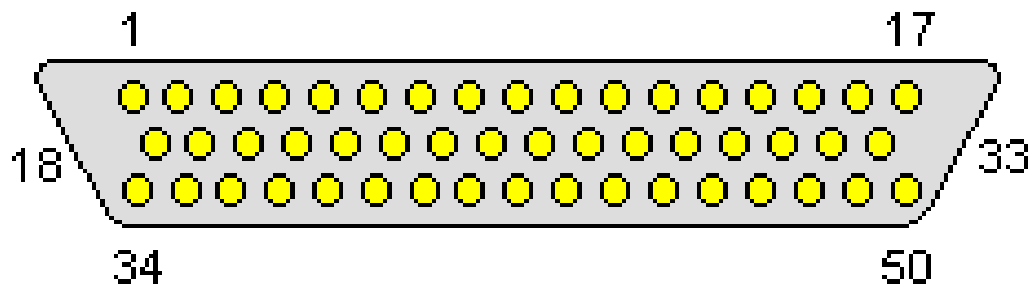


Figure 2. 50-Pin D-Sub (Male) or Female Viewed From Wiring Side