

Applied Microsystems

CM50-MIDI Locator Cable Schematic

Drawn: SB Date: 22nd July 99 Issue: 2 DECK: **MCI JH24**
Connector: Jones Plug 71/10/1201/03 (Remote - R); 71/10/2301/03 (Sync - S)
(not sure about part numbers for connectors!)

DECK	FUNCTION	COLOUR	CM50	COMMENTS
R20	Gnd	Black	13	
R1	RL Com	Violet	1	-15v
R11	Stop	Brown	2	
R12	Play	Orange	4	
R9	Rewind	Yellow	6	
R10	F/Forward	Green	8	
R13	Record	Blue	10	
S10	Tach	Grey	15	+/- 15v (8pps at 15ips)
S11	Direction	White	18	+/- 15v (+ = Forward)
R2	+22v	Red	14	
	Timecode	Pink	19	these pins are in parallel.....
	Timecode	L/Green	23 with the code-input phono

PC Com Port Interface 9k6 baud (see note 3)

9 Pin 'D'

3	S/data RX	L/Green	24	
2	S/data TX	Pink	25	
5	Gnd			loop to Gnd

To use MIDI Machine Control, you must make up a Y-cord with 2 DIN plugs into the 9-pin D connector on the CM50

MIDI Port	DIN Pins
1	MIDI Out - 5
9	MIDI Out + 4
5	MIDI In + 4
6	MIDI In - 5

NOTES

If the PC has a 25w COM port, then reverse pins 2 & 3. Take gnd to pin 7 instead of pin 5.

+22v must be disconnected from the deck switches. Otherwise, as the CM50 pulls the controls down to -15v, the supplies will be shorted!

10k resistors are required inside the 25 'D' connector in series with tach and direction. We normally hard-wire onto the backs of the plugs at the rear of the machine as there is no easy to use autolocator socket.