

Switch Settings		
Mode	Switches Closed (On)	Switches Open (Off)
Fixed Normal	1,8	2,3,4,5,6,7
Fixed Special	3,8	1,2,4,5,6,7
Programmable	2,6,8	1,3,4,5,7
Command	2,4,8	1,3,5,6,7
Automatic	2,5,7	1,3,4,6,8

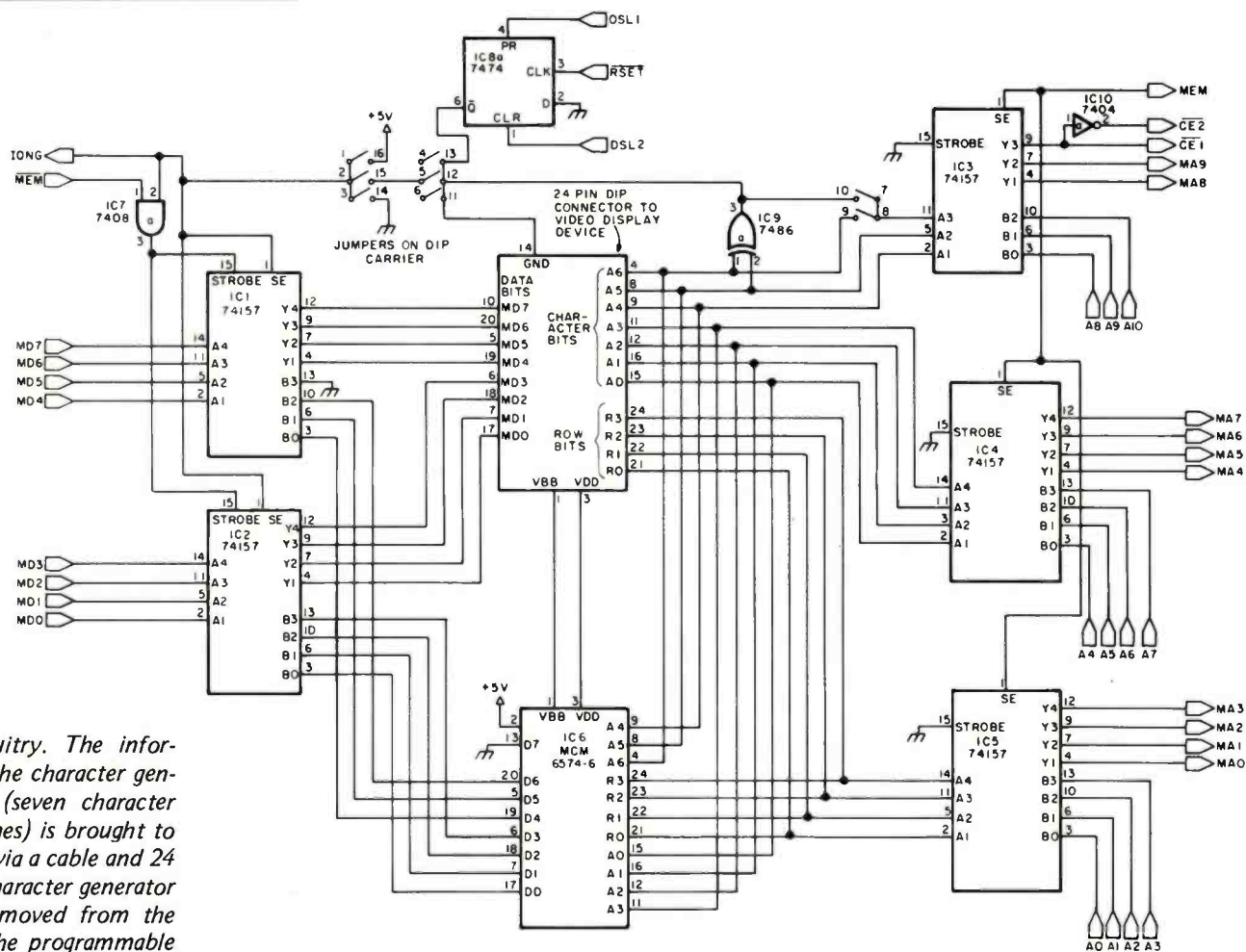


Figure 5: Character generation circuitry. The information which would normally go to the character generator on the video display device (seven character select lines and four character row lines) is brought to the programmable character generator via a cable and 24 pin connector which is placed in the character generator socket. The character generator is removed from the video display device and placed on the programmable character generator board. The 11 lines are sent to the programmable character generator memory by the address multiplexers. These lines are also presented to the character generator just as they are in a video display device. The output data from the memory and the character generator are both input to a multiplexer, the output of which is returned to the video display device via the cable and socket. When the character generator data is selected, the results are the same as they would have been if there were no programmable character generator involved. When the memory supplied data is selected, the video display device will produce characters whose design has been programmed.