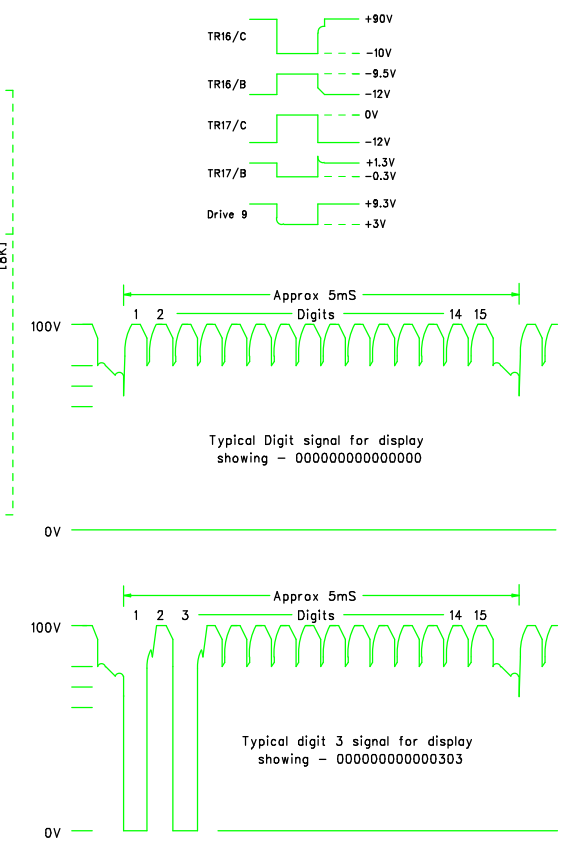


0 = Key pressed (= 0V)
 1/x = no key

Code	NUM1	NUM2	NUM4	NUMB	NUMKEYS	KYCLER
Key						
0	1	1	1	1	0	1
1	0	1	1	1	0	1
2	1	0	1	1	0	1
3	0	0	1	1	0	1
4	1	1	0	1	0	1
5	0	1	0	1	0	1
6	1	0	0	1	0	1
7	0	0	0	1	0	1
8	1	1	1	0	0	1
9	0	1	1	0	0	1
Comma	1	1	0	0	0	1
Clear	1	1	1	1	0	0
X	1	1	1	1	1	1

Typical signals
 Component references for these waveforms are for driver "Digit-9" (left), remaining driver circuits have the same signals but with different component designations.



These diagrams are referenced to 0V - Logical 1 = -12V, logical 0 = 0V



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Pcb Dwg # =		Scale	Nts	Title
Name	Date	Sheet	25	Soemtron ETR 220 Calculator
Drawn	MD Hatch	Next Sheet	26	#12 - Cathode Drive & Kbd # Encoder
Checked	-	Drawing Number	Soemtron 220	BOARD 12 Sheet 1
		A2		Issue A