Read Pulse

D5
1N4007

33Ω 1W 5%
R4

390Ω 1W 5%
R3

D6
1N4007₂

D7
1N4007₂

*−25V

*−75V

Write Pulse

D8
1N4007₂

GND

Shift Pulse

D3
1N4007

33Ω 1W 5%
R2

D4
1N4007₂

D9
1N4007₂

GND

−13V

Clock Pulse

D1
1N4007

33Ω 1W 5%
R1

D2
1N4007₂

GND

−13V

* Subject to adjustment for best results

*−75V   Read Clock Clamp Lev

C3
0.1µF 200V

*−25V   Read Clock Return

C2
0.1µF 200V

−20V   Write Pulse Return

C4
4µF

−13V   Clock & Shift Pulse Clamp Lev

C1
4µF

Clock, Shift, Write Pulse Clamp Return Lev

GND

GND

Board Front

Read Pulse — a18 Read Pulse
Read Clock Return — a17 Read Clock Return
Read Clock Clamp Lev — a16 Read Clock Clamp Lev
Shift Pulse — a15 Shift Pulse
NC — a14 NC
Write Pulse — a13 Write Pulse
a12
a11
−13V — a10 −13V
−20V — a9 −20V
a8
a7
a6
a5 Clock Pulse
a4
a3
a2
a1

V U T S R P N M L K J H F E D C B A

Conn_02x18_Row_Letter_First
J1

Board Back

Read Pulse — b18
Read Clock Return — b17
Read Clock Clamp Lev — b16
Shift Pulse — b15
NC — b14
Write Pulse — b13
b12
b11
−13V — b10
−20V — b9
b8
b7
b6
b5 Clock Pulse
b4
b3
b2
b1