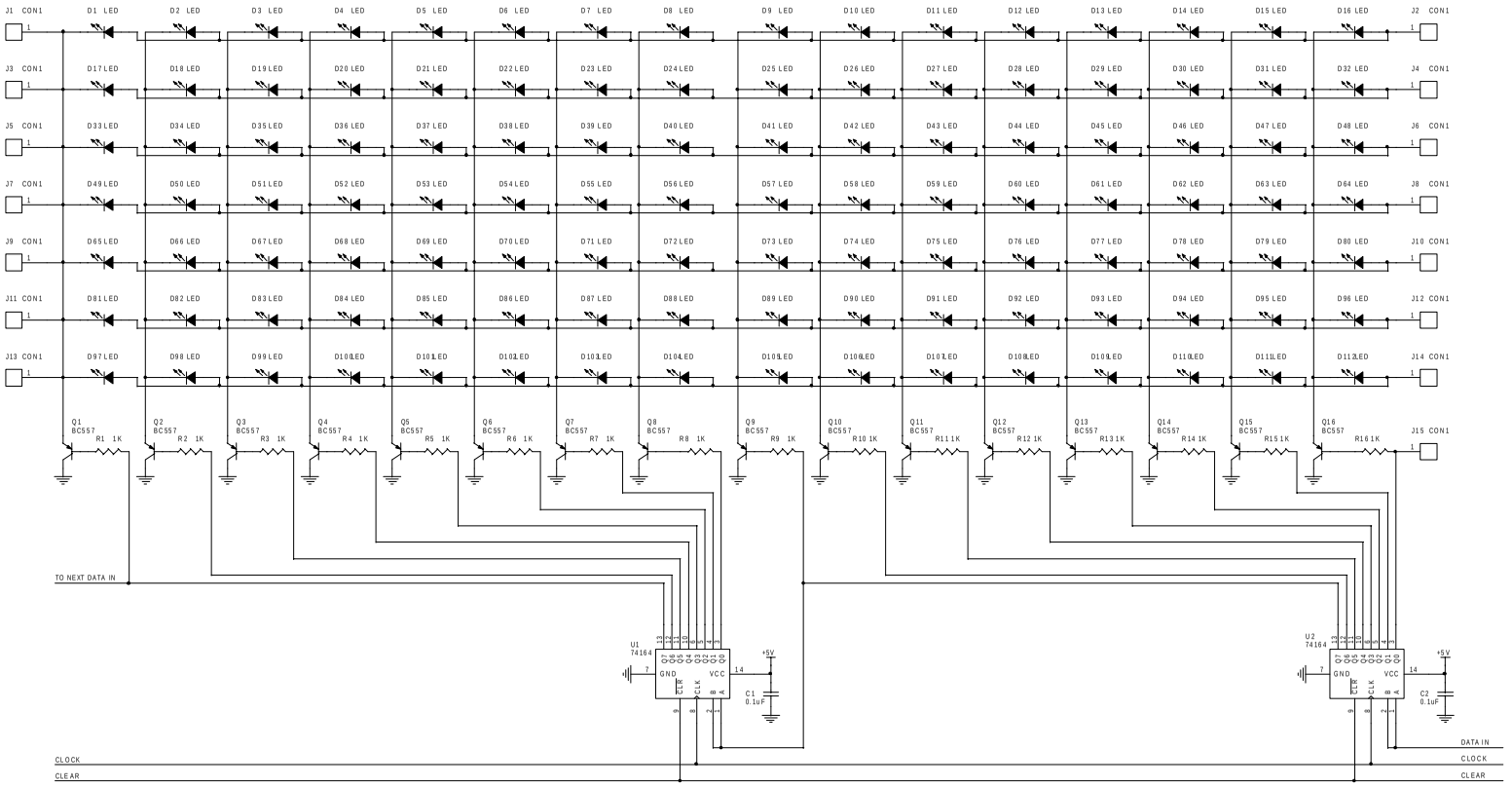
J1 CON1
D1 LED
D2 LED
D3 LED
D4 LED
D5 LED
D6 LED
D7 LED
D8 LED
D9 LED
D10 LED
D11 LED
D12 LED
D13 LED
D14 LED
D15 LED
D16 LED
J2 CON1
J3 CON1
D17 LED
D18 LED
D19 LED
D20 LED
D21 LED
D22 LED
D23 LED
D24 LED
D25 LED
D26 LED
D27 LED
D28 LED
D29 LED
D30 LED
D31 LED
D32 LED
J4 CON1
J5 CON1
D33 LED
D34 LED
D35 LED
D36 LED
D37 LED
D38 LED
D39 LED
D40 LED
D41 LED
D42 LED
D43 LED
D44 LED
D45 LED
D46 LED
D47 LED
D48 LED
J6 CON1
J7 CON1
D49 LED
D50 LED
D51 LED
D52 LED
D53 LED
D54 LED
D55 LED
D56 LED
D57 LED
D58 LED
D59 LED
D60 LED
D61 LED
D62 LED
D63 LED
D64 LED
J8 CON1
J9 CON1
D65 LED
D66 LED
D67 LED
D68 LED
D69 LED
D70 LED
D71 LED
D72 LED
D73 LED
D74 LED
D75 LED
D76 LED
D77 LED
D78 LED
D79 LED
D80 LED
J10 CON1
J11 CON1
D81 LED
D82 LED
D83 LED
D84 LED
D85 LED
D86 LED
D87 LED
D88 LED
D89 LED
D90 LED
D91 LED
D92 LED
D93 LED
D94 LED
D95 LED
D96 LED
J12 CON1
J13 CON1
D97 LED
D98 LED
D99 LED
D100 LED
D101 LED
D102 LED
D103 LED
D104 LED
D105 LED
D106 LED
D107 LED
D108 LED
D109 LED
D110 LED
D111 LED
D112 LED
J14 CON1
Q1 BC557
R1 1K
Q2 BC557
R2 1K
Q3 BC557
R3 1K
Q4 BC557
R4 1K
Q5 BC557
R5 1K
Q6 BC557
R6 1K
Q7 BC557
R7 1K
Q8 BC557
R8 1K
Q9 BC557
R9 1K
Q10 BC557
R10 1K
Q11 BC557
R11 1K
Q12 BC557
R12 1K
Q13 BC557
R13 1K
Q14 BC557
R14 1K
Q15 BC557
R15 1K
Q16 BC557
R16 1K
J15 CON1
TO NEXT DATA IN
U1 74164
U2 74164
GND
VCC
+5V
C1 0.1uF
C2 0.1uF
CLOCK
CLEAR
DATA IN