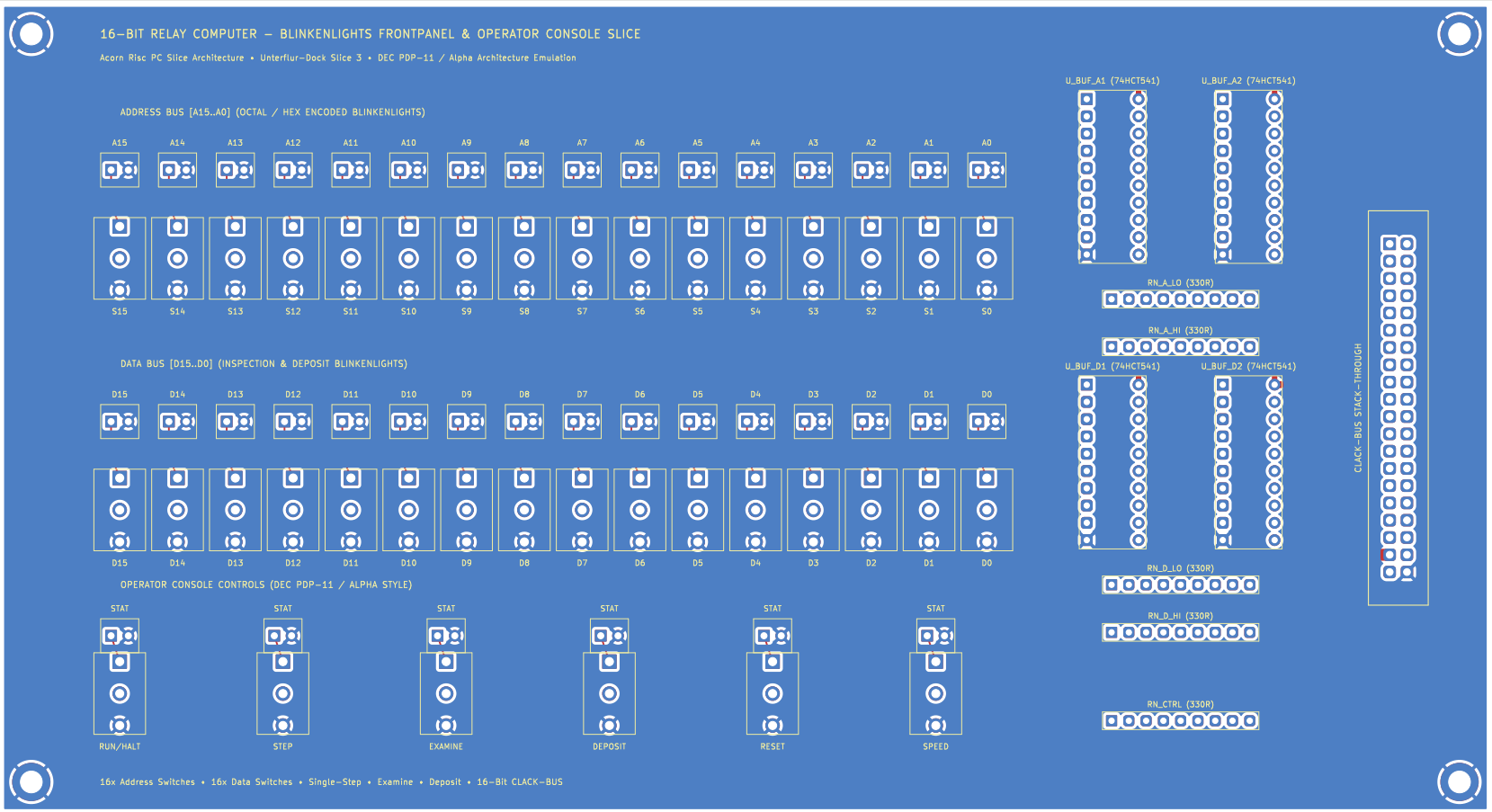
16-BIT RELAY COMPUTER – BLINKENLIGHTS FRONTPANEL & OPERATOR CONSOLE SLICE
Acorn Risc PC Slice Architecture • Unterflur-Dock Slice 3 • DEC PDP-11 / Alpha Architecture Emulation
ADDRESS BUS [A15..A0] (OCTAL / HEX ENCODED BLINKENLIGHTS)
A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
S15 S14 S13 S12 S11 S10 S9 S8 S7 S6 S5 S4 S3 S2 S1 S0
DATA BUS [D15..D0] (INSPECTION & DEPOSIT BLINKENLIGHTS)
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0
OPERATOR CONSOLE CONTROLS (DEC PDP-11 / ALPHA STYLE)
STAT
RUN/HALT
STEP
EXAMINE
DEPOSIT
RESET
SPEED
16x Address Switches • 16x Data Switches • Single-Step • Examine • Deposit • 16-Bit CLACK-BUS
U_BUF_A1 (74HCT541)
U_BUF_A2 (74HCT541)
RN_A_LO (330R)
RN_A_HI (330R)
U_BUF_D1 (74HCT541)
U_BUF_D2 (74HCT541)
RN_D_LO (330R)
RN_D_HI (330R)
RN_CTRL (330R)
CLACK-BUS STACK-THROUGH