SYSTEM OVERVIEW & INTERFACE SPECIFICATION

Acorn Risc PC Eurocard 3U Slice 3 • DEC PDP-11 Operator Console • 16x Adress-Kippschalter (A15..A0) • 16x Daten-Kippschalter (D15..D0) • 38 Status-LEDs (Address, Data, Run, Halt, Step, Clock) • 74HCT541 Oktal-Puffer mit Tristate-Freigabe • Taster Examine, Deposit, Step, Reset.

CLACK-BUS 40-PIN STACK-THROUGH INTERFACE

Vollständige 16-Bit Adress- und Datenbusanbindung an das System.

- ◇BUS_A0
- ◇BUS_A1
- ◇BUS_A2
- ◇BUS_A3
- ◇BUS_A4
- ◇BUS_A5
- ◇BUS_A6
- ◇BUS_A7
- ◇BUS_A8
- ◇BUS_A9
- ◇BUS_A10
- ◇BUS_A11
- ◇BUS_A12
- ◇BUS_A13
- ◇BUS_A14
- ◇BUS_A15
- ◇BUS_D0
- ◇BUS_D1
- ◇BUS_D2
- ◇BUS_D3
- ◇BUS_D4
- ◇BUS_D5
- ◇BUS_D6
- ◇BUS_D7
- ◇BUS_D8
- ◇BUS_D9
- ◇BUS_D10
- ◇BUS_D11
- ◇BUS_D12
- ◇BUS_D13
- ◇BUS_D14
- ◇BUS_D15

16x ADDRESS SWITCHES & BLINKENLIGHTS

Manuelle Adressvorgabe (A15..A0) mit LED-Zustandsanzeige (Octal-Gruppierung).

- ◇SW_A0
- ◇SW_A1
- ◇SW_A2
- ◇SW_A3
- ◇SW_A4
- ◇SW_A5
- ◇SW_A6
- ◇SW_A7
- ◇LED_A0
- ◇LED_A1
- ◇LED_A2
- ◇LED_A3
- ◇LED_A4
- ◇LED_A5
- ◇LED_A6
- ◇LED_A7
- ◇RN_A_LO
- ◇RN_A_HI

16x DATA SWITCHES & BLINKENLIGHTS

Manuelle Dateninspektion und -eingabe (D15..D0) mit LED-Zustandsanzeige.

- ◇SW_D0
- ◇SW_D1
- ◇SW_D2
- ◇SW_D3
- ◇SW_D4
- ◇SW_D5
- ◇SW_D6
- ◇SW_D7
- ◇LED_D0
- ◇LED_D1
- ◇LED_D2
- ◇LED_D3
- ◇LED_D4

OPERATOR CONSOLE CONTROLS & BUFFERS (74HCT541)

Taster für Examine, Deposit, Single-Step, Reset und Tristate-Buspuffer.

- ◇SW_EXAMINE
- ◇SW_DEPOSIT
- ◇SW_STEP
- ◇SW_RUN_HALT
- ◇SW_RESET
- ◇FP_BUF_OE_n
- ◇U_BUF_A1
- ◇U_BUF_D1

Standard: Acorn Risc PC Eurocard 3U (220x120 mm) • 40-Pin CLACK-BUS
DEC PDP-11 Stil, 32 C&K Bus-Schalter, 38 LEDs, 74HCT541 Puffer
Workstation- & Labor-Ökosystem für Dipl.-Ing. (FH) Peter Prikaskys 16-Bit Relais-CPU
Entwickler: Ing. Christian Buchhas
Relay Computer Architecture Project

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Title: Slice 3: Blinkenlights Frontpanel & Operator Console

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