

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_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
Entwickler: Ing. Christian Buchhas & Dipl.-Ing. (FH) Peter Prikasky

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Title: Slice 3: Blinkenlights Frontpanel & Operator Console

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