SYSTEM OVERVIEW & INTERFACE SPECIFICATION

VEB Keramische Werke Hermsdorf Ferritkerne VEB 5221.3 (0.8mm) • Halbauswahlstrom Im/2 = 350 mA, Vollstrom Im = 700 mA • 45° diagonale Sense-Leseschleife für induktive mV-Spannungsspitzen (Delta V ~ 30mV) • Horizontale/Vertikale Koinzidenz-Fädelmatrix.

X-AXIS HALF-SELECT DRIVERS (X0 .. X31)

32 Koinzidenz-Halbstromleitungen (350 mA Puls, Tr < 50 ns).

- X_IN_0
- X_IN_1
- X_IN_2
- X_IN_3
- X_IN_4
- X_IN_5
- X_IN_6
- X_IN_7
- X_IN_8
- X_IN_9
- X_IN_10
- X_IN_11
- X_IN_12
- X_IN_13
- X_IN_14
- X_IN_15
- X_OUT_0
- X_OUT_1
- X_OUT_2
- X_OUT_3
- X_OUT_4
- X_OUT_5
- X_OUT_6
- X_OUT_7
- X_OUT_8
- X_OUT_9
- X_OUT_10
- X_OUT_11
- X_OUT_12
- X_OUT_13
- X_OUT_14
- X_OUT_15

Y-AXIS HALF-SELECT DRIVERS (Y0 .. Y31)

32 Koinzidenz-Halbstromleitungen orthogonal zur X-Ebene.

- Y_IN_0
- Y_IN_1
- Y_IN_2
- Y_IN_3
- Y_IN_4
- Y_IN_5
- Y_IN_6
- Y_IN_7
- Y_IN_8
- Y_IN_9
- Y_IN_10
- Y_IN_11
- Y_IN_12
- Y_IN_13
- Y_IN_14
- Y_IN_15
- Y_OUT_0
- Y_OUT_1
- Y_OUT_2
- Y_OUT_3
- Y_OUT_4
- Y_OUT_5
- Y_OUT_6
- Y_OUT_7
- Y_OUT_8
- Y_OUT_9
- Y_OUT_10
- Y_OUT_11
- Y_OUT_12
- Y_OUT_13
- Y_OUT_14
- Y_OUT_15

DIAGONAL SENSE READ LOOP (45° S-PATTERN)

Differentielle mV-Leseschleife zur Erfassung des Ummagnetisierungsimpulses.

- SENSE_POS
- SENSE_NEG
- SENSE_SHIELD
- SENSE_GND
- SENSE_TEST_TAP
- SENSE_TERM_100R

INHIBIT WRITE LOOP & 4-CORNER BUS BARS

Z-Achsen Inhibit-Gegenstromleitung (Sperren von Schreibzugriffen) & Stützstäbe.

- INHIBIT_IN
- INHIBIT_RET
- CORNER_STACK_NW
- CORNER_STACK_NE
- CORNER_STACK_SW
- CORNER_STACK_SE

40-Pin CLACK-BUS • Antigravity AI
4-Wire 45-Deg Sense Loop Pattern
1024-Bit Magnetic Core Matrix
Christian Buchhas • Peter Prikasky
CLACK-MAINFRAME

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Title: Board 01: Core Plane 32x32

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