| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | LTR | DESCRIPTION | DATE | APPR. |
| | | | | |

CONTRCLK-DAQ

VCC_2V5 — R1.5 — GND — R2.5

M0-DAQ, M1-DAQ, M2-DAQ, BUF-CLK-DAQ, PROGRAM-DAQ, DONE-DAQ, INIT-DAQ, DIN-DAQ

BUF-WRITE-DAQ, CF-DAQ, TFT-TDO, DAQ-TDO, TMS-A, TCK-A

J1.5 — I80

J2.5 — SAMTEC-SFMC-107 — I289

VCC_3V3 — GND

RDO_DAQ(15..0)

RDO-DAQ(0) RDO-AQ(1) RDO-DAQ(2) RDO-DAQ(3) RDO-DAQ(4) RDO-DAQ(5) RDO-DAQ(6) RDO-DAQ(7) RDO-DAQ(8) RDO-DAQ(9) RDO-DAQ(10) RDO-DAQ(11) RDO-DAQ(12) RDO-DAQ(13) RDO-DAQ(14) RDO-DAQ(15)

FROM INPUT FPGA

A-DAQ1 A-DAQ2 B-DAQ1 B-DAQ2 C-DAQ1 C-DAQ2 D-DAQ1 D-DAQ2 E-DAQ1 E-DAQ2 F-DAQ1 F-DAQ2 G-DAQ1 G-DAQ2 H-DAQ1 H-DAQ2 J-DAQ1 J-DAQ2 K-DAQ1 K-DAQ2 L-DAQ1 L-DAQ2

TO INPUT FPGA

A-ROC1 A-ROC2 B-ROC1 B-ROC2 C-ROC1 C-ROC2 D-ROC1 D-ROC2 E-ROC1 E-ROC2 F-ROC1 F-ROC2 G-ROC1 G-ROC2 H-ROC1 H-ROC2 J-ROC1 J-ROC2 K-ROC1 K-ROC2 L-ROC1 L-ROC2

JET_ROC(0) JET_ROC(1) JET_ROC(2) JET_ROC(3) JET_ROC(4) JET_ROC(5) JET_ROC(6) JET_ROC(7)

DAQ-CE — DAQ-WR — DAQ-WR-STRB

TTC-DAT0(3) TTC-DAT1(3) TTC-DAT2(3) TTC-DAT3(3) TTC-DAT4(3) TTC-DAT5(3) TTC-DAT6(3) TTC-DAT7(3)

I284

IC1.5

VIRTEX 2.5V

XCV150-456

VCCINT=VCC_2V5

VCCREF_B0=NC
VCCREF_B1=NC
VCCREF_B2=NC
VCCREF_B3=NC
VCCREF_B4=NC
VCCREF_B5=NC
VCCREF_B6=NC
VCCREF_B7=NC
VCCO_B0=VCC_3V3
VCCO_B1=VCC_3V3
VCCO_B2=VCC_3V3
VCCO_B3=VCC_3V3
VCCO_B4=VCC_3V3
VCCO_B5=VCC_3V3
VCCO_B6=VCC_3V3
VCCO_B7=VCC_3V3

R3.5 1 — R4.5 1 — R5.5 1 — R6.5 1 — R7.9 1 — R13.5 1 — R14.5 1 — R10.5 1 — R11.5 1 — R12.5 1

VCC=VCC_5V

HDMP-1022 — I289 — IC2.5

DOUT DOUT* HCLK HCLK* DIV0 DIV1 CAP0B CAP1B TEMP TEMP* STRBOUT

D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 EHCLKSEL FLAGSEL FLAG FF HCLKON LOCKED LOOPEN LOUT LOUT* M0FSEL M20SEL RST* CAV* DAV* STRBIN RFD ED INV

I285 C1.5 C1206

I286 C2.5 C1206

VCC_5V — I383 — C56.5 — GND

R20.5 R21.5 R22.5 R23.5 R25.5

C50.5 C51.5 C52.5

IC4.5 — I360 — SOP8 — 10EL89

VCC=VCC_5V VEE=GND

R24.5 — ST1.5

VCC_5V — I384 — C57.5 — GND

R26.5 R27.5 R28.5 R29.5 R30.5

C53.5 C55.5 C58.5

IC5.5 — I376 — SOP8 — 10EL89

R31.5 — ST2.5

VCC_3V3

C27.5 C32.5 C34.5 C40.5 C44.5 C35.5

VCC_2V5

C24.5 C25.5 C26.5 C28.5 C29.5 C30.5 C31.5 C36.5 C37.5 C38.5 C39.5

47UF 47UF 470UF

C41.5 C42.5 C43.5 C45.5 C47.5

10UF

GND

VCC_5V — C22.5 — C23.5 — C3.5 — R805 — L1.5 — 1B — C4.5 — C6.5 C7.5 C8.5 C9.5 C10.5 — VCCTX

CT7343 — I324 — GND

I330 — R805 — L2.5 — C12.5 C13.5 C14.5 C15.5 C16.5 C17.5 C18.5 C20.5 C21.5

I333 I334 I331 I329 I335 I336 I337 I338 I339

VCC_5V — VCCTX

CT7343 — GND

| | | | |
|---|---|---|---|
| UNIVERSITY OF MAINZ | DRAWING TITLE: DAQ-READ OUT | | |
| | SIZE: C | REV. | DRAWING NO. |
| | SCALE | 03.08.2000 | SHEET 5 OF 13 |