LYNP.400201.010 32.4 CommandGenerationBlock CU storageBlock OUTPUT ____ CTRL_ALU[10..0] InstructionPointer[11..0] START SET cmdWORDdata[31..0] addressBasicEN mmandDATA[7..0] operandAddressTO[11..0] instructionAddressEN X JBZ . MOV_REG_MEM instructionDecoderEN MOV MEM REG PLICH X POP X JMP recordingAluResultsFN ' imp_address[11_0] X JBZ_WV rdingAluResults EN aluWorkPeriodFN X CMP_MEM_MEM aluWorkPeriodEN CTR1 [12 0] X AND_MEM_MEM CMP_MEM_MEM CTRLout[12..0] CTRL ALU[10..0] X OR_MEM_MEM AND_MEM_MEM CTRL_ALU[10..0] addressCUout[11..0] X ROR_MEM_MEM OR_MEM_MEM CLEAR perationRetrievalEN dataFromCU[7..0] BusBusv WV X MOV_REG_REG ROR MEM MEM busBusy MOV REG REG ecordinaAluResultsEN MOV_MEM_REG X CMP_REG_MEM FLAGS[15..0] X JBZ_WV FLAGS[15..0] X AND_REG_MEM JBZ CMP REG MEM aluWorkPeriodEN AND REG MEM structionPointer[11..0] X JB_WV JBZ WV X JNZ_WV nerandAddressTO[11_0] .IR WV JNZ OR REG MEM nerandAddressFROM[11_0] JNZ WV ROR REG MEN X MOV_REG_BI AND_MEM_MEM nddressBasic[11..0] MOV REG BI X MOV_REG_BIC MOV BI REG rocessedData[7..0] X MOV_BIO_REG CMP MEM MEM MOV REG BIO BusRequest X CMP_REG_REG MOV BIO REG AND MEM MEM X OR_MEM_MEM X INC_REG OR MEM MEM CMP REG REG X ROR_MEM_MEM OR_REG_MEM ROR_REG_MEM X DEC_REG ROR_MEM_MEM X MOV_REG_BI X JB_WV DEC_REG MOV_REG_BI X MOV BI REG X JNZ_WV X MOV_REG_BIO MOV_BI_REG X BusBusy X MOV_BIO_REG X BusBusy MOV_REG_BIO MOV_BIO_REG CMP_REG_REG ExecutionBlock DEC_REG cmdWORDdata[31..0] operandAddressFROM[11..0] processedData[7..0] operationCode[4..0] operandAddressTO[11..0] ataCU[7..0] nstructionDecoderEN firstOperand[11..0] CIR secondOperand[11..0] cordingAluResultsE MOV REG MEM instructionInitEN MOV REG MEM MOV MEM REG MOV_REG_MEM irstOperand[11..0] X MOV_MEM_REG MOV MEM REG X PUSH condOperand[11..0] X POP MOV_REG_MEM MOV MEM REG CMP_MEM_MEM X PUSH MOV_MEM_REG X MOV REG REG CMP MEM MEM MOV_REG_REG X MOV_REG_BI AND MEM MEM OR_MEM_MEM X MOV_BI_REG MOV_REG_BI OR_MEM_MEM ROR MEM MEM X JBZ_WV X MOV_REG_BIO MOV_BI_REG ROR_MEM_MEM MOV REG REG X CMP_MEM_MEM X MOV BIO REG MOV REG BIO MOV_REG_REG CMP REG MEN X AND_MEM_MEM CMP MEM MEM X CLR MOV_BIO_REG CMP_REG_MEM AND_REG_MEM X OR_MEM_MEM AND MEM MEM CLR AND_REG_MEM OR REG MEM X ROR_MEM_MEM OR MEM MEM OR_REG_MEM ROR_REG_MEM X MOV_REG_REG ROR MEM MEM ROR_REG_MEM X CMP_REG_MEM MOV REG REG MOV REG E CMP REG MEM MOV_REG_BI MOV BL REG X OR_REG_MEM AND REG MEM MOV_BI_REG MOV REG BIO X ROR_REG_MEM OR REG MEM MOV_REG_BIO MOV BIO REG X MOV_REG_BI ROR REG MEN MOV_BIO_REG CMP REG REG X MOV_REG_BIO MOV_REG_BI CMP_REG_REG INC REG MOV_REG_BIO MOV_BI_REG DEC_REG MOV_BI_REG MOV BIO REG DEC_REG MOV_BIO_REG CMP REG REG JBZ_WV CMP_REG_REG INC REG JBZ WV JB_WV X DEC_REG JB WV JNZ_WV X JB_WV JNZ_WV JNZ WV CU addressBasic originalAddress[11..0] rstOperand[11..0] ГУИР.400201.010 Э2.4 MOV_REG_BIO MOV BI REG X MOV_BIO_REG MOV_BI_REG MOV_BIO_REG X CLR Лит. Масса Масштаб Устройство управления Изм Лист № документа Подпись Дата Схема электрическая Разраб. Провериг функциональная Листов Лист

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