| l | | | | | | | | | | | |
|----------|---------------------------|---|--|---|---------------------------------|----------------------------|--|--|--|--|---|
| _ | DEVICE | ombo II-DLD-Bas | XILIINX Module | | | | | | | | |
| ı | | | | | | | | | | | |
| - 1 | | FPGA_CLK1 | B6 | | | | | | | | |
| | İ | FPGA_CLK2 | C15 | | | | | | | | |
| | CLOCK | FPGA_CLK3 | P15 | | | | | | | | |
| | i | | | | | | | | | | |
| _ | | FPGA_CLK4 | M8 | | | | | | | | |
| | CLOCK(FPGA) | USER_Clock1 | D12 | | | | | | | | |
| | CLOCK(FFGA) | USER_Clock2 | U18 | | | | | | | | |
| 1 | | | | | | | | | | | |
| | | LED_D1 | 1.4 | | | | | | | | |
| _ | i | | L4 | | | | | | | | |
| | i | LED_D2 | M4 | | | | | | | | |
| | i | LED_D3 | M2 | | | | | | | | |
| | . = 5 | LED_D4 | N7 | | | | | | | | |
| | LED | LED_D5 | M7 | | | | | | | | |
| | i | LED_D6 | M3 | | | | | | | | |
| | i | | | | | | | | | | - |
| | i | LED_D7 | M1 | | | | | | | | |
| | i | LED_D8 | N5 | | | | | | | | |
| | | | | | | | | | | | |
| Ť | | SEG_A | P1 | | | | | | | | |
| \dashv | ı | SEG_B | P3 | | | | | | | | + |
| 4 | 7-Segment | | | | | | | | | | |
| | ı | SEG_C | P7 | | | | | | | | |
| - [| 7-Segment | SEG_D | N3 | | | | | | | | |
| 1 | r-Segment | SEG_E | T5 | | | | | | | | |
| \dashv | ı | SEG_F | R2 | | | | | | | | |
| \dashv | ı | SEG_G | | | | | | | | | |
| \dashv | ı | | R4 | | | | | | | | |
| | | SEG_DP | R6 | | | | | | | | |
| | | | | | | | | | | | |
| ſ | | AR_SEG_A | F1 | | | | | | | | |
| | i | AR_SEG_B | F5 | | | | | | | | |
| -1 | i | | | | | | | | | | |
| | Ì | AR_SEG_C | E2 | | | | | | | | - |
| | i | AR_SEG_D | E4 | | | | | | | | |
| | i | AR_SEG_E | J1 | | | | | | | | |
| | i | AR_SEG_F | J3 | | | | | | | | |
| | i | AR_SEG_G | J7 | | | | | | | | |
| | i | | | | | | | | | | + |
| | 8 Array 7-Segment | AR_SEG_DP | H2 | | | | | | | | |
| | , - 0 | AR_SEG_S0 | H4 | | | | | | | | |
| | i | AR_SEG_S1 | H6 | | | | | | | | |
| | i | AR_SEG_S2 | G1 | | | | | | | | |
| | i | AR_SEG_S3 | G3 | | | | | | | | |
| - | ı | | | | | | | | | | |
| 4 | ı | AR_SEG_S4 | L6 | | | | | | | | |
| | ı | AR_SEG_S5 | K1 | | | | | | | | |
| - [| ı | AR_SEG_S6 | K3 | | | | | | | | |
| | ı | AR_SEG_S7 | K5 | | | | | | | | |
| + | | | | | | | | | | | + |
| r | | VEV01 | 12.4 | | KEN DVD | | | | | | |
| | ı | KEY01 | K4 | | KEY PAD | | | | | | + |
| \dashv | ı | KEY02 | N8 | | | | | | | | |
| | | | N4 | 1 | | | | | | | |
| | ļ | KEY03 | 1114 | | | | | | | | |
| | | | | | | | | | | | |
| | | KEY04 | N1 | | | | | | | | |
| | | KEY04 KEY05 | N1 P6 | | -02 | No | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 | N1 P6 N6 | | r03 | N6 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 | N1 P6 N6 L5 | | r02 | L5 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 | N1 P6 N6 | | | | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 | N1 P6 N6 L5 J2 | | r02 r01 | L5 J2 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 | N1 P6 N6 L5 J2 | | r02 r01 r00 | L5 J2 K2 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 | N1 P6 N6 L5 J2 K2 L7 | | r02 r01 r00 c02 | L5 J2 K2 L7 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 | N1 P6 N6 L5 J2 K2 L7 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 | N1 P6 N6 L5 J2 K2 L7 | | r02 r01 r00 c02 | L5 J2 K2 L7 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 | N1 P6 N6 L5 J2 K2 L7 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 KEY11 KEY12 | N1 P6 N6 L5 J2 K2 L7 L1 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 KEY11 KEY12 | N1 P6 N6 L5 J2 K2 L7 L1 K6 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 KEY11 KEY12 DIP_SW1 DIP_SW2 | N1 P6 N6 L5 J2 K2 L7 L1 K6 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | Button Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 KEY11 KEY12 DIP_SW1 DIP_SW2 DIP_SW3 | N1 P6 N6 L5 J2 K2 L7 L1 K6 Y1 W3 U2 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 KEY11 KEY12 DIP_SW1 DIP_SW2 | N1 P6 N6 L5 J2 K2 L7 L1 K6 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |
| | Button Switch DIP Switch | KEY04 KEY05 KEY06 KEY07 KEY08 KEY09 KEY10 KEY11 KEY12 DIP_SW1 DIP_SW2 DIP_SW3 | N1 P6 N6 L5 J2 K2 L7 L1 K6 Y1 W3 U2 | | r02 r01 r00 c02 c01 | L5 J2 K2 L7 L1 | | | | | |

| | 1 | | - | | | | | | | |
|---|----------------|---|---|--------|-------|----|--|--|--|--|
| | | DIP_SW7 | V4 | | | | | | | |
| | | DIP_SW8 | U4 | | | | | | | |
| | | | | | | | | | | |
| | | F_LED1_BLUE | U3 | F_LED1 | RED | T2 | | | | |
| | | F_LED1_GREEN | U5 | F_LED2 | | - | | | | |
| | | | _ | | | | | | | |
| | | F_LED1_RED | T2 | F_LED3 | | | | | | |
| | | F_LED2_BLUE | W2 | F_LED4 | | | | | | |
| | | F_LED2_GREEN | V1 | F_LED1 | _GRE | U5 | | | | |
| | 5 11 O 1 1 ED | F_LED2_RED | U1 | F_LED2 | _GRE | V1 | | | | |
| | Full Color LED | F_LED3_BLUE | R5 | F_LED3 | GRE | R7 | | | | |
| | | F_LED3_GREEN | R7 | F_LED4 | | | | | | |
| | | F_LED3_RED | P2 | F_LED1 | | _ | | | | |
| | | F_LED4_BLUE | T3 | F_LED2 | | | | | | |
| | | | | | | | | | | |
| | | F_LED4_GREEN | T6 | F_LED3 | | | | | | |
| | | F_LED4_RED | R3 | F_LED4 | -Broß | 13 | | | | |
| | | | | | | | | | | |
| | | TLCD_D0 | A4 | | | | | | | |
| | | TLCD_D1 | B2 | | | | | | | |
| | | TLCD_D2 | C3 | | | | | | | |
| | | TLCD_D3 | D4 | | | | | | | |
| | | TLCD_D4 | A2 | | | | | | | |
| | Text LCD | TLCD_D5 | C5 | | | | | | | |
| | 16VI FOD | | | | | | | | | |
| | | TLCD_D6 | C1 | | | | | | | |
| | | TLCD_D7 | D1 | | | | | | | |
| | | TLCD_E | A6 | | | | | | | |
| | | TLCD_RS | G6 | | | | | | | |
| | | TLCD_RW | D6 | | | | | | | |
| | | | | | | | | | | |
| | PIEZO | PIEZO | Y21 | | | | | | | |
| | | | | | | | | | | |
| | Servo Motor | SERVO_CTRL | AA22 | | | | | | | |
| | CONTO MICKET | 02.110_01112 | , , , , , , | | | | | | | |
| | | I2C_CLK | W21 | | | | | | | |
| | EEPROM | | V21 | | | | | | | |
| | | I2C_DATA | VZI | | | | | | | |
| | | | | | | | | | | |
| | | SPI_AD | H3 | | | | | | | |
| | AD Convertor | SPI_DIN | H5 | | | | | | | |
| | 7.5 00 | SPI_DOUT | J6 | | | | | | | |
| | | SPI_SCK | H7 | | | | | | | |
| | | | | | | | | | | |
| | | DAC_A_B | G2 | | | | | | | |
| | | DAC_CSN | E1 | | | | | | | |
| | | DAC_LDACN | F4 | | | | | | | |
| | | DAC_WRN | G4 | | | | | | | |
| | | DAC_DO | E3 | | | | | | | |
| | | DAC_D0 | | | | | | | | |
| | DA Converter | | E5 | | | | | | | |
| | | DAC_D2 | D2 | | | | | | | |
| | | DAC_D3 | D5 | | | | | | | |
| | | DAC_D4 | C2 | | | | | | | |
| | | DAC_D5 | C4 | | | | | | | |
| | | DAC_D6 | B1 | | | | | | | |
| | | DAC_D7 | B3 | | | | | | | |
| | | | | | | | | | | |
| | | | 1100 | | | | | | | |
| 1 | | SRAM CSN | IN20 | | | | | | | |
| | | SRAM_CSN SRAM_OEN | N20 | | | | | | | |
| | | SRAM_OEN | L21 | | | | | | | |
| | | SRAM_OEN SRAM_WEN | L21 U17 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] | L21 U17 L20 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] SRAM_A[1] | L21 U17 L20 L22 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] SRAM_A[1] SRAM_A[2] | L21 U17 L20 L22 M17 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] SRAM_A[1] SRAM_A[2] SRAM_A[3] | L21 U17 L20 L22 M17 M18 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] SRAM_A[1] SRAM_A[2] SRAM_A[3] SRAM_A[4] | L21 U17 L20 L22 M17 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] SRAM_A[1] SRAM_A[2] SRAM_A[3] | L21 U17 L20 L22 M17 M18 | | | | | | | |
| | | SRAM_OEN SRAM_WEN SRAM_A[0] SRAM_A[1] SRAM_A[2] SRAM_A[3] SRAM_A[4] | L21 U17 L20 L22 M17 M18 N18 | | | | | | | |

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|----|----------------|--|---|---|--|--|--|--|--|--|
| | | SRAM_A[7] | V20 | | | | | | | |
| | | SRAM_A[8] | V18 | | | | | | | |
| | | SRAM_A[9] | U20 | | | | | | | |
| | | SRAM_A[10] | V19 | 1 | | | | | | |
| | | SRAM_A[11] | U22 | 1 | | | | | | |
| | | SRAM_A[12] | U19 | + | | | | | | |
| | | | | - | | | | | | |
| | | SRAM_A[13] | T21 | 4 | | | | | | |
| | | SRAM_A[14] | T19 | | | | | | | |
| | SRAM | SRAM_A[15] | L19 | | | | | | | |
| | | SRAM_A[16] | L16 | | | | | | | |
| | | SRAM_A[17] | K19 | 1 | | | | | | |
| | | | | - | | | | | | |
| _ | | SRAM_D[0] | P17 | 4 | | | | | | |
| | | SRAM_D[1] | P21 | | | | | | | |
| | | SRAM_D[2] | R16 | | | | | | | |
| | | SRAM_D[3] | R18 | | | | | | | |
| | | SRAM_D[4] | R20 | 1 | | | | | | |
| | | SRAM_D[5] | T17 | + | | | | | | |
| - | | | | - | | | | | | |
| | | SRAM_D[6] | T20 | | | | | | | |
| | | SRAM_D[7] | T22 | | | | | | | |
| | | SRAM_D[8] | T16 | | | | | | | |
| | | SRAM_D[9] | R19 | | | | | | | |
| | | SRAM_D[10] | R17 | | | | | | | |
| - | | SRAM_D[11] | P22 | + | | | | | | |
| - | | | | + | | | | | | |
| _ | | SRAM_D[12] | P20 | - | | | | | | |
| | | SRAM_D[13] | P16 | | | | | | | |
| | | SRAM_D[14] | N19 | | | | | | | |
| | | SRAM_D[15] | M16 | | | | | | | |
| | | | | | | | | | | |
| Т | | Step Sensor | Y19 | 1 | | | | | | |
| | | | Y20 | + | | | | | | |
| | | STEP_A | | 4 | | | | | | |
| | Step Motor | STEP_AN | AA20 | | | | | | | |
| | | STEP_B | Y22 | | | | | | | |
| | | STEP_BN | AA21 | | | | | | | |
| Ī | | | | | | | | | | |
| Т | | USB_TXD0 | F6 | 1 | | | | | | |
| | USB to Serial | USB_RXD0 | C6 | - | | | | | | |
| | | U3D_KXDU | CO | 4 | | | | | | |
| - | | | | - | | | | | | |
| | UART | UART_TXD1 | A3 | _ | | | | | | |
| L | 07.11.11 | UART_RXD1 | A5 | | | | | | | |
| | | | | | | | | | | |
| Т | | BDIO00 | F8 | 1 | | | | | | |
| | | BDIO01 | E8 | 1 | | | | | | |
| - | | BDIO01 | A7 | + | | | | | | |
| -1 | | BDIO02 BDIO03 | | + | | | | | | |
| | | TBDTO03 | G8 | 1 | | | | | | |
| -1 | | | | | | | | | | |
| | | BDIO04 | D7 | | | | | | | |
| | | | | | | | | | | |
| | | BDIO04 BDIO05 | D7 | _ | | | | | | |
| | | BDIO04 BDIO05 BDIO06 | D7 B7 G7 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 | D7 B7 G7 F7 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 | D7 B7 G7 F7 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 | D7 B7 G7 F7 C8 D8 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 | D7 B7 G7 F7 C8 D8 C9 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 | D7 B7 G7 F7 C8 D8 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 | D7 B7 G7 F7 C8 D8 C9 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 | D7 B7 G7 F7 C8 D8 C9 B8 A9 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 BDIO15 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 B10 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 BDIO15 | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 B10 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 BDIO15 S_RED W_RED | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 B10 B13 G14 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 BDIO15 S_RED W_RED E_RED | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 B10 B13 G14 C17 | | | | | | | |
| | BreadBoard I/O | BDIO04 BDIO05 BDIO06 BDIO07 BDIO08 BDIO09 BDIO10 BDIO11 BDIO12 BDIO13 BDIO14 BDIO15 S_RED W_RED | D7 B7 G7 F7 C8 D8 C9 B8 A9 B9 A10 B10 B13 G14 | | | | | | | |

| W_YELLOW | | | |
|--|------|----|-------|
| N_YELLOW D13 S_LEFT F15 W_LEFT D15 E_LEFT C19 N_LEFT F10 S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| S_LEFT F15 W_LEFT D15 E_LEFT C19 N_LEFT F10 S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| U호등 모듈 (확장 커넥터) N_LEFT C19 N_LEFT F10 S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| 신호등 모듈 (확장 커넥터) N_LEFT F10 S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| 신호등 모듈 (화장 커넥터) S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| 신호등 모듈 (화장 커넥터) S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| (확장 커넥터) S_GREEN E16 W_GREEN C16 E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| W_GREEN | | | |
| E_GREEN A20 N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| N_GREEN E11 WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| WALK_S_GREEN E19 WALK_W_GREEN F12 | | | |
| WALK_W_GREEN F12 | | | |
| | | | |
| WALK_E_GREEN A16 | | | |
| | | | |
| WALK_N_GREEN G11 | | | |
| WALK_S_RED A19 | | | |
| WALK_W_RED G13 | | | |
| WLAK_E_RED E18 | | | |
| WALK_N_RED C11 | | | |
| | | | |
| EXT[0] G10 | | | |
| EXT[1] C10 | | | |
| EXT[2] F11 | | | |
| EXT[3] D11 | | | |
| EXT[4] A11 EX1 | EX2 | | |
| EXT[5] E12 | LAZ | | |
| D. (2012) | 1 | 2 | +5V |
| | | | |
| | 3 | 4 | |
| EXT[8] C13 EXT40 5 6 EXT41 EXT | | 6 | |
| EXT[9] A13 EXT42 7 8 EXT43 EXT | | 8 | |
| EXT[10] F14 EXT44 9 10 EXT45 EXT | _ | | EXT5 |
| | 11 | 12 | EXT7 |
| | 13 | 14 | EXT9 |
| EXT[13] E15 EXT50 15 16 EXT51 EXT | 15 | 16 | EXT11 |
| EXT[14] B15 EXT52 17 18 EXT53 EXT. | 17 | 18 | EXT13 |
| EXT[15] D16 EXT54 19 20 EXT55 EXT. | 419 | 20 | EXT15 |
| EXT[16] B16 EXT56 21 22 EXT57 EXT | .021 | 22 | EXT17 |
| EXT[17] E17 EXT58 23 24 EXT59 EXT | 23 | 24 | EXT19 |
| | 25 | 26 | EXT21 |
| | 27 | | EXT23 |
| | 29 | | EXT25 |
| | 2631 | | EXT27 |
| | 233 | | EXT29 |
| | 35 | | EXT31 |
| | 37 | | EXT33 |
| | | | |
| | 39 | | EXT35 |
| | 41 | | EXT37 |
| | 43 | | EXT39 |
| | 45 | | GND |
| | 47 | | GND |
| | 49 | 50 | GND |
| EXT[31] G20 | | | |
| EXT[32] G22 | | | |
| EXT[33] H17 EX1 | EX2 | | |
| EXT[34] H19 | | | |
| EXT[35] H21 +5V 1 2 +5V +5V | 1 | 2 | +5V |
| EXT[36] J17 +12V 3 4 +12V +12 | | | +12V |
| EXT[37] J20 F10 5 6 G11 G10 | | 6 | |
| EXT[37] 320 110 3 6 G11 G10 G10 G10 G10 G10 G10 G10 G10 G10 | | 8 | |
| | | | E12 |
| | | | |
| | 11 | 12 | |
| | 13 | 14 | |
| EXT[42] E11 - L18 15 16 A14 F14 | 15 | 16 | B14 |

| EXT[43] | C11 | F15 | 17 | 18 | D15 | G15 | 17 | 18 | E15 |
|---------|-----|-----|----|----|-----|-----|----|----|-----|
| EXT[44] | F12 | E16 | 19 | 20 | C16 | B15 | | 20 | D16 |
| EXT[45] | C12 | A16 | 21 | 22 | C17 | B16 | | 22 | E17 |
| EXT[46] | G13 | E18 | 23 | 24 | C18 | A17 | | 24 | D18 |
| EXT[47] | D13 | E19 | 25 | 26 | C19 | A18 | | 26 | D19 |
| EXT[48] | B13 | A19 | 27 | 28 | A20 | B19 | | 28 | B20 |
| EXT[49] | G14 | B21 | 29 | 30 | C20 | | 29 | 30 | B22 |
| EXT[50] | L18 | D20 | 31 | 32 | E22 | C22 | 31 | 32 | D21 |
| EXT[51] | A14 | F18 | 33 | 34 | F19 | | 33 | 34 | F21 |
| EXT[52] | F15 | F20 | 35 | 36 | F22 | G16 | | 36 | G20 |
| EXT[53] | D15 | G17 | 37 | 38 | G21 | G22 | | 38 | H17 |
| EXT[54] | E16 | H16 | 39 | 40 | H18 | H19 | | 40 | H21 |
| EXT[55] | C16 | H20 | 41 | 42 | J16 | | 41 | 42 | J20 |
| EXT[56] | A16 | J19 | 43 | 44 | J21 | J22 | 43 | 44 | K17 |
| EXT[57] | C17 | K16 | 45 | 46 | K18 | GNE | 45 | 46 | GND |
| EXT[58] | E18 | K22 | 47 | 48 | - | GNE | 47 | 48 | GND |
| EXT[59] | C18 | | 49 | 50 | GND | GNE | 49 | 50 | GND |
| EXT[60] | E19 | | | | | | | | |
| EXT[61] | C19 | | | | | | | | |
| EXT[62] | A19 | | | | | | | | |
| EXT[63] | A20 | | | | | | | | |
| EXT[64] | B21 | | | | | | | | |
| EXT[65] | C20 | | | | | | | | |
| EXT[66] | D20 | | | | | | | | |
| EXT[67] | E22 | | | | | | | | |
| EXT[68] | F18 | | | | | | | | |
| EXT[69] | F19 | | | | | | | | |
| EXT[70] | F20 | | | | | | | | |
| EXT[71] | F22 | | | | | | | | |
| EXT[72] | G17 | | | | | | | | |
| EXT[73] | G21 | | | | | | | | |
| EXT[74] | H16 | | | | | | | | |
| EXT[75] | H18 | | | | | | | | |
| EXT[76] | H20 | | | | | | | | |
| EXT[77] | J16 | | | | | | | | |
| EXT[78] | J19 | | | | | | | | |
| EXT[79] | J21 | | | | | | | | |
| EXT[80] | K16 | | | | | | | | |
| EXT[81] | K18 | | | | | | | | |
| EXT[82] | K22 | | | | | | | | |
| EXT[83] | - | | | | | | | | |

| 3V3 | | | | 3V3 | | AB21 | | | | GND | 3V3 | | | | 3V3 | | |
|---|---|--|--|--|----------|--------------|----------|-----|--------------|------|---|---|--|--|--|--|--|
| 3V3 3V3 | | 1 | 2 | 3V3 3V3 | | AB21 AB20 | 1 2 | 2 | | GND | 3V3 | | 1 | 2 | 3V3 3V3 | | |
| 3V3 3V3 | | 3 | 4 | 3V3 3V3 | CLK_OUT2 | AB20 | 3 | - | | GND | 3V3 3V3 | | 3 | 4 | 3V3 3V3 | | |
| 343 | | 7 | 0 | 343 | GND | | 7 | | | GND | 343 | | 7 | 0 | 373 | | |
| BDIO_14/TDI | A10 | 0 | 10 B10 | BDIO_15/TRST | CLK_OUT1 | | 0 | 10 | | GIND | EXT1 | G10 | 0 | 10 F | 0 EXT41 | | |
| BDIO_12/TCK | A9 | 11 | 12 B9 | BDIO_13/TMS | CEK_OUT | Y18 | 11 | 12 | | | EXT2 | C10 | 11 | 12 G | | | |
| BDIO_12/TCK BDIO_10/TDO | C9 | 13 | 14 B8 | BDIO_11/RTCK | | AA17 | 13 | | AB18 | | EXT3 | F11 | 13 | 14 E | | | |
| | C8 | | | | | W17 | | | | | EXT4 | D11 | 15 | 16 0 | | | |
| BDIO_8 BDIO_01 | E8 | 15 17 | 16 D8 18 F8 | BDIO_9/SRST BDIO_00 | | AA16 | 15 17 | 18 | AA18 AB17 | | EXT5 | A11 | 17 | | 2 EXT45 | | |
| | | 19 | 20 A7 | | | V16 | 19 | 20 | Y17 | | EXT6 | E12 | 19 | 20 0 | | | |
| BDIO_03 | G8 B7 | 21 | | BDIO_02 | | AA15 | 21 | | | | EXT7 | A12 | 21 | | | | |
| BDIO_05 BDIO_07 | F7 | 23 | 22 D7 24 G7 | BDIO_04 BDIO_06 | | V15 | 23 | 22 | AB16 W16 | | EXT7 | F13 | 23 | 22 G | | | |
| | | | | | | | | | | | | | | | | | |
| TLCD0_E TLCD0 RW | A6 D6 | 25 | 26 C6 | XURXDO XUTXDO | | T15 | 25 27 | 26 | | | EXT9 EXT10 | C13 A13 | 25 | 26 B | | | |
| | G6 | 27 | 28 F6 | | | W14 | | | W15 | | EXT10 | F14 | 27 | 28 G | | | |
| TLCD0_RS GND | Gb | 29 | 30 A5 | XURXD1 | | | 29 | 30 | U15 | | | F14 | 29 | 30 E | | | |
| | | 31 | 32 | GND | | AB13 | 31 | 32 | AB14 | | GND | | 31 | 32 | GND | | |
| TLCD_DD0 | A4 | 33 | 34 A3 | XUTXD1 | | Y13 | 33 | | | | EXT12 | B14 | 33 | 34 A | | | |
| TLCD_DD4 | A2 | 35 | 36 B3 | P_DB7 | | AB12 | 35 | | V14 | | EXT13 | G15 | 35 | 36 F | | | |
| TLCD_DD1 | B2 | 37 | 38 B1 | P_DB6 | GND | | 37 | 38 | | GND | EXT14 | E15 | 37 | 38 🗅 | | | |
| TLCD_DD5 | C5 | 39 | 40 C4 | P_DB5 | | W12 | 39 | | AA13 | | EXT15 | B15 | 39 | 40 E | | | |
| TLCD_DD2 | C3 | 41 | 42 C2 | P_DB4 | | U12 | 41 | | V13 | | EXT16 | D16 | 41 | 42 C | | | |
| TLCD_DD6 | C1 | 43 | 44 D5 | P_DB3 | | AA11 | 43 | | Y12 | | EXT17 | B16 | 43 | 44 A | | | |
| TLCD_DD3 | D4 | 45 | 46 D2 | P_DB2 | | W11 | 45 | | V12 | | EXT18 | E17 | 45 | 46 C | | | |
| TLCD_DD7 | D1 | 47 | 48 E5 | P_DB1 | | AA10 | 47 | 48 | B AB11 | | EXT19 | A17 | 47 | 48 E | | | |
| SEGA_D | E4 | 49 | 50 E3 | P_DB0 | | AA9 | 49 | | Y11 | | EXT20 | D18 | 49 | 50 C | | | |
| SEGA_C | E2 | 51 | 52 E1 | P_CSN | | Y8 | 51 | 52 | | | EXT21 | A18 | 51 | 52 E | | | |
| SEGA_B | F5 | 53 | 54 F4 | P_LDACN | | V8 | 53 | 54 | | | EXT22 | D19 | 53 | 54 C | | | |
| SEGA_A | F1 | 55 | 56 G4 | P_WRN | | AB7 | 55 | 56 | BAA8 | | EXT23 | B19 | 55 | 56 A | | | |
| SEGA_SCAN3 | G3 | 57 | 58 G2 | P_A/B | | Y7 | 57 | | 3 W8 | | EXT24 | B20 | 57 | 58 A | | | |
| SEGA_SCAN2 | G1 | 59 | 60 H7 | SPI_SCK | | V7 | 59 | 60 | U8 | | EXT25 | A21 | 59 | 60 B | | | |
| GND | | 61 | 62 | GND | | AA6 | 61 | 62 | | | GND | | 61 | 62 | GND | | |
| SEGA_SCAN1 | Н6 | 63 | 64 H5 | SPI_DIN | | V6 | 63 | | W7 | | EXT26 | B22 | 63 | 64 C | | | |
| SEGA_SCAN0 | H4 | 65 | 66 H3 | SPI_AD | | Y5 | 65 | 66 | | | EXT27 | C22 | 65 | 66 D | | | |
| SEGA_DP | H2 | 67 | 68 | - | GND | | 67 | 68 | | GND | EXT28 | D21 | 67 | 68 E | | | |
| SEGA_G | J7 | 69 | 70 J6 | SPI_DOUT | | V5 | 69 | 70 | | | EXT29 | F17 | 69 | | 8 EXT69 | | |
| SEGA_F | 13 | 71 | 72 J2 | KEY8 | | Y4 | 71 | | AB5 | | - | | 71 | 72 F | | | |
| SEGA_E | J1 | 73 | 74 K6 | KEY12 | | AA3 | 73 | 74 | W5 | | - | | 73 | 74 F | | | |
| SEGA_SCAN7 | K5 | 75 | 76 K4 | KEY1 | | AB2 | 75 | | AB4 | | EXT30 | F21 | 75 | 76 F | | | |
| SEGA_SCAN6 | К3 | 77 | 78 K2 | KEY9 | | AA1 | 77 | | B AB3 | | EXT31 | G16 | 77 | 78 G | | | |
| SEGA_SCAN5 | K1 | 79 | 80 L7 | KEY10 | | AA2 | 79 | 80 | Y3 | | EXT32 | G20 | 79 | 80 G | 21 EXT74 | | |
| | | 34 | | 33 | | | | | | | | | | | | | |
| | | - | | | | | | | | | | | - | | _ | | |
| SEGA_SCAN4 | L6 | 1 | 2 L5 | KEY7 KEY11 | | | | | | | EXT33 EXT34 | G22 | 1 | 2 H | | | |
| CLED_D1 | L4 M7 | 3 | 4 L1 | KEY11 MF_TDI | | e r | | pr. | 140 | | EXT34 EXT35 | H17 | 3 | 4 H | | | |
| CLED_D5 | | 7 | 0 | | | CLK_OU | | P5 | M8 | | | | 7 | | | | |
| CLED_D2 CLED_D6 | M4 M3 | l' | 10 | MF_TDO MF_TCK | | CLK_OU | 12 | B6 | C15 | | EXT36 EXT37 | H21 J17 | 10 | 8 J 10 J | | | |
| GND | IVI3 | 11 | 10 | MF_ICK GND | | | | | | | GND | 117 | 11 | 10 J | g EX179 GND | | |
| CLED_D3 | M2 | | | MF TMS | | | | | | | GND EXT38 | J20 | 12 | 12 14 J | | | |
| | | 13 | 14 16 NO | MF_IMS KEY2 | | | | | | | EXT38 | | 13 | | | | |
| CLED_D7 | M1 | 15 | 16 N8 | | | | | | | | | J22 | 15 | 16 K | | | |
| CLED_D4 CLED_D8 | N7 | 17 | 18 N6 | KEY6 | | | | | | | EXT40 | K17 | 17 | 18 K | | | |
| | N5 | 19 | 20 N4 | KEY3 | | | | | | | RAM1_A17 | K19 | 19 | 20 K | 2 EXT83 | | |
| | | 21 | 22 N1 | KEY4 | | | | | | | RAM1_A16 | L16 | 21 | 22 L 24 L | 8 EXT84 0 RAM1 AG | 34 0 33 | |
| SEG_D | N3 | | | | | | | | | | D | 140 | | | | ⊷ 33 | |
| SEG_D SEG_C | P7 | 23 | 24 P6 | KEY5 | | | | | | | RAM1_A15 | L19 | 23 | | | | |
| SEG_D SEG_C SEG_B | P7 P3 | 25 | 26 P2 | 3LED3_RED | | | | | | | RAM_OE1 | L21 | 25 | 26 L | 2 RAM1_A0 | | |
| SEG_D SEG_C SEG_B SEG_A | P7 P3 P1 | 25 27 | 26 P2 28 R7 | 3LED3_RED 3LED3_GREEN | | | | | | | | | 25 27 | 26 L 28 N | 2 RAM1_A0 17 RAM1_A0 | 2 20 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP | P7 P3 P1 R6 | 25 27 29 | 26 P2 28 R7 30 R5 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE | | | | | | | RAM_OE1 | L21 | 25 27 29 | 26 L 28 N 30 N | 2 RAM1_A0 7 RAM1_A0 8 RAM1_A0 | 2 20 13 84 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G | P7 P3 P1 R6 R4 | 25 27 29 31 | 26 P2 28 R7 30 R5 32 R3 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED | | | | | | | RAM_OE1 RAM_D15 | L21 M16 | 25 27 29 31 | 26 L 28 N 30 N 32 N | 2 RAM1_A0 17 RAM1_A0 18 RAM1_A0 8 RAM1_A0 | 2 20 3 84 4 18 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F | P7 P3 P1 R6 R4 R2 | 25 27 29 31 33 | 26 P2 28 R7 30 R5 32 R3 34 T6 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED 3LED4_GREEN | | | | | | | RAM_DE1 RAM_DIS RAM_DI4 | L21 M16 N19 | 25 27 29 31 33 | 26 L 28 N 30 N 32 N 34 N | 2 RAM1_A0 17 RAM1_A0 18 RAM1_A0 8 RAM1_A0 00 RAM_CS1 | 2 20 13 84 14 18 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_E | P7 P3 P1 R6 R4 | 25 27 29 31 33 35 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED 3LED4_GREEN 3LED4_BLUE | | | | | | | RAM_DE1 RAM_D15 RAM_D14 RAM_D13 | M16 M19 P16 | 25 27 29 31 33 35 | 26 L 28 N 30 N 32 N 34 N 36 P | 2 RAM1_AC 17 RAM1_AC 18 RAM1_AC 8 RAM1_AC 10 RAM_CS1 7 RAM_DOC | 22 20 13 84 14 18 16 3 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_E | P7 P3 P1 R6 R4 R2 T5 | 25 27 29 31 33 35 37 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED 3LED4_GREEN 3LED4_BLUE 3LED4_BLUE | | | | | | | RAM_DE1 RAM_D15 RAM_D14 RAM_D13 RAM_D12 | N19 P16 P20 | 25 27 29 31 33 35 37 | 26 L 28 M 30 M 32 M 34 M 36 P 38 P | 2 RAM1_AC 17 RAM1_AC 18 RAM1_AC 8 RAM1_AC 90 RAM_CS1 7 RAM_DOC | 22 20 33 84 44 18 16 0 3 . 9 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_E - DIPSW4 | P7 P3 P1 R6 R4 R2 | 25 27 29 31 33 35 37 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 | 3LED3_RED 3LED3_GREEN 3LED4_BLDE 3LED4_GREEN 3LED4_BLUE 3LED1_RED 3LED1_GREEN | | | | | | | RAM_OE1 RAM_D15 - - - RAM_D14 RAM_D13 RAM_D12 RAM_D11 | M16 M19 P16 | 25 27 29 31 33 35 37 | 26 L 28 N 30 N 32 N 34 N 36 P 38 P 40 R | 2 RAMI_AC 17 RAMI_AC 18 RAMI_AC 8 RAMI_AC 90 RAMI_CSI 77 RAMI_DOO 11 RAMI_DOO 6 RAMI_DOO | 22 20 33 84 44 18 16 0 3 . 9 | |
| SEG_D SEG_E SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_E DIPSW4 GND | P7 P3 P1 R6 R4 R2 T5 | 25 27 29 31 33 35 37 39 41 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 | 3LED3_RED 3LED3_GREN 3LED3_BLUE 3LED4_RED 3LED4_GREEN 3LED4_BLUE 3LED1_RED 3LED1_GREEN GND | | | | | | | RAM_OE1 RAM_D15 RAM_D14 RAM_D13 RAM_D12 RAM_D11 GND | N19 P16 P20 P22 | 25 27 29 31 33 35 37 39 41 | 26 L 28 M 30 M 32 N 34 N 36 P 38 P 40 R | 2 RAMI_AC 17 RAMI_AC 18 RAMI_AC 18 RAMI_AC 10 RAM_CS1 7 RAM_DOC 11 | 22 20 33 84 44 18 16 16 9 3 3 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_F SEG_E - UPSW4 GND DIPSW8 | P7 P3 P1 R6 R4 R2 T5 T1 | 25 27 29 31 33 35 37 39 41 43 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED 3LED4_GREEN 3LED4_GREEN 3LED1_RED 3LED1_GREEN GND 3LED1_BLUE | | | | | | | RAM_0E1 RAM_D15 | N19 P16 P20 P22 | 25 27 29 31 33 35 37 39 41 | 26 L 28 M 30 M 32 M 34 M 36 P 38 P 40 R 42 44 R | 2 RAMI_AC 17 RAMI_AC 18 RAMI_AC 18 RAMI_AC 10 RAM_CSI 7 RAM_DOI 11 RAM_DOI 6 RAM_DOI GIND 8 RAM_DOS 8 RAM_DOS | 22 20 33 84 44 18 16 5 9 9 241 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_E - DIPSW4 GND DIPSW8 DIPSW8 | P7 P3 P1 R6 R4 R2 T5 T1 | 25 27 29 31 33 35 37 39 41 43 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 46 U1 | 3LED3_RED 3LED3_GREEN 3LED4_RED4 3LED4_GREEN 3LED4_GREEN 3LED4_RED 3LED1_GREEN GND 3LED1_BLUE 3LED2_RED | | | | | | | RAM_0E1 RAM_D15 | N19 P16 P20 P22 R17 R19 | 25 27 29 31 33 35 37 39 41 43 | 26 L 28 M 30 M 32 N 34 N 36 P 38 P 40 R 42 H 46 R | 2 RAM1_AC 77 RAM1_AC 88 RAM1_AC 80 RAM2_AC 100 RAM_CS1 77 RAM_DO0 111 RAM_DO0 GND 8 RAM_DO0 | 22 20 33 844 44 18 16 16 16 1 3 2 241 11 11 11 11 11 11 11 11 11 11 11 11 1 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_F SEG_E - DIPSW4 GND DIPSW8 DIPSW3 DIPSW7 | P7 P3 P1 R6 R4 R2 T5 T1 U4 U2 V4 | 25 27 29 31 33 35 37 39 41 43 45 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 48 V1 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED 3LED4_GREEN 3LED4_GREEN 3LED1_RED 3LED1_GREEN GND 3LED1_BLUE | | | | | | | RAM_DE1 RAM_D15 RAM_D14 RAM_D13 RAM_D12 RAM_D101 RAM_D10 RAM_D10 RAM_D00 RAM_D00 RAM_D00 | N19 P16 P20 P22 R17 R19 T16 | 25 27 29 31 33 35 37 39 41 43 45 | 26 L 28 N 30 N 32 N 34 N 36 P 38 P 40 R 42 L 44 R 46 R 48 T | 2 RAM1_AC 77 RAM1_AC 78 RAM1_AC 88 RAM1_AC 80 RAM_CSI 77 RAM1_DO 61 RAM_DO 62 RAM_DO 63 RAM_DO 64 RAM_DO 65 RAM_DO 66 RAM_DO 67 RAM_DO 77 RAM_DO | 22 20 38 84 44 18 18 16 16 16 16 17 16 17 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_F SEG_E - DIPSW4 GND DIPSW8 DIPSW3 DIPSW3 DIPSW5 | P7 P3 P1 R6 R4 R2 T5 T1 U4 U2 V4 W4 | 25 27 29 31 33 35 37 39 41 43 45 47 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 46 U1 48 V1 50 | 3LED3_RED 3LED3_GREEN SLED4_RED SLED4_GREEN SLED4_GREEN SLED4_GREEN SLED4_GREEN GND SLED1_GREEN SLED2_GREEN SLED2_RED SLED2_RED SLED2_GREEN | | | | | | | RAM_OE1 | N19 P16 P20 P22 R17 R19 T16 T19 | 25 27 29 31 33 35 37 39 41 43 45 47 | 26 L 28 M 30 M 32 N 34 N 36 P 40 R 42 44 R 46 R 48 T 50 T | 2 RAM1_AC 77 RAM1_AC 88 RAM1_AC 80 RAM1_ST 77 RAM1_DO 11 RAM_DO2 11 RAM_DO2 12 RAM_DO2 13 RAM_DO2 14 RAM_DO2 15 RAM_DO2 16 RAM_DO2 17 RAM_DO2 18 RAM_DO3 10 RAM_DO3 10 RAM_DO3 10 RAM_DO3 11 RAM_DO3 12 RAM_DO3 13 RAM_DO3 14 RAM_DO3 15 RAM_DO3 16 RAM_DO3 17 RAM_DO3 18 RAM_DO3 1 | 22 20 38 44 18 18 16 16 16 19 9 241 | |
| SEG_D SEG_C SEG_B SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_F SEG_F DIPSW4 GND DIPSW8 DIPSW3 DIPSW7 DIPSW5 DIPSW5 DIPSW5 DIPSW5 | P7 P3 P1 R6 R4 R2 T5 T1 U4 U2 V4 W4 W3 | 25 27 29 31 33 35 37 39 41 43 45 47 49 51 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 46 U1 48 V1 50 52 W2 | 3LED3_RED 3LED3_GREEN 3LED4_GREEN | | | | | | | RAM_DE1 RAM_D15 RAM_D14 RAM_D13 RAM_D12 RAM_D101 RAM_D10 RAM_D10 RAM_D00 RAM_D00 RAM_D00 | N19 P16 P20 P22 R17 R19 T16 | 25 27 29 31 33 35 37 39 41 43 45 47 49 | 26 L 28 M 30 M 32 N 34 N 36 P 38 P 40 R 42 44 R 46 R 48 T 50 T 52 T | 2 RAM1_AC 18 RAM1_AC 18 RAM1_AC 18 RAM1_AC 10 RAM_CSI 17 RAM_DOC 11 RAM_DOC 10 RAM_DOC 1 | 22 20 38 84 44 18 16 16 16 16 17 241 18 18 18 18 18 18 18 18 18 18 18 18 18 | |
| SEG_D SEG_C SEG_B SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_E DIPSW4 GND DIPSW8 DIPSW8 DIPSW7 DIPSW7 DIPSW5 DIPSW5 DIPSW5 DIPSW6 | P7 P3 P1 R6 R4 R2 T5 T1 U4 U2 V4 W4 | 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 46 U1 48 V1 50 52 W2 54 Y1 | 3LED3_RED 3LED3_GREEN 3LED3_BLUE 3LED4_RED 3LED4_GREEN 3LED4_GREEN 3LED1_RED 3LED1_GREEN GND 3LED2_RED 3LED2_GREEN 3LED2_GREEN 3LED2_GREEN 3LED2_GREEN | | | | | | | RAM_OE1 RAM_D15 RAM_D14 RAM_D13 RAM_D12 RAM_D11 GND RAM_D10 RAM_D09 RAM_D8 RAM_D4 RAM_D8 RAMI_A13 | N19 P16 P20 P22 R17 R19 T16 T19 | 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 | 26 L 28 M 30 M 32 M 34 M 36 P 40 B 42 44 B 48 T 50 T 52 T 54 U | 2 RAM1_AC 17 RAM1_AC 18 RAM1_AC 18 RAM1_AC 10 RAM_CSI 7 RAM_DOI 6 RAM_CSI 11 RAM_DOI 6 RAM_DOI 7 RAM_DOI 00 RAM_DOI 01 RAM_DOI 01 RAM_DOI 02 RAM_DOI 02 RAM_DOI 03 RAM_DOI 04 RAM_DOI 05 RAM_DOI 06 RAM_DOI 07 RAM_DOI 07 RAM_DOI 07 RAM_DOI 07 RAM_DOI 08 RAM_DOI 07 RAM_DOI 08 RAM_DOI 09 RAM_DOI 09 RAM_DOI 09 RAM_DOI 00 RAM_DOI 00 RAM_DOI 01 RAM_DOI 01 RAM_DOI 01 RAM_DOI 01 RAM_DOI 02 RAM_DOI 03 RAM_DOI 04 RAM_DOI 05 RAM_DOI 06 RAM_DOI 07 RA | 22 20 38 84 44 18 16 16 16 16 17 241 18 18 18 18 18 18 18 18 18 18 18 18 18 | |
| SEG_D SEG_C SEG_B SEG_A SEG_DP SEG_G SEG_F SEG_F SEG_E - DIPSW4 GND DIPSW8 DIPSW8 DIPSW3 DIPSW7 DIPSW5 DIPSW5 DIPSW6 GND | P7 P3 P1 R6 R4 R2 T5 T1 U4 U2 V4 W4 W3 | 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 | 26 P2 28 R7 30 R5 32 R3 34 T6 36 T3 38 T2 40 U5 42 44 U3 46 U1 48 V1 50 52 W2 54 Y1 56 | SLED, RED SLEDS, GREEN GR | | | | | | | RAM_OE1 RAM_D15 RAM_D14 RAM_D13 RAM_D12 RAM_D12 RAM_D10 RAM_D10 RAM_D09 | N19 P16 P20 P22 R17 R19 T16 T19 | 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 | 26 L 28 M 30 M 32 M 34 M 36 P 40 B 42 44 H 46 H 46 M 55 O T 52 T 54 U 56 | 2 RAM1_AC 17 RAM1_AC 8 RAM1_AC 8 RAM1_AC 00 RAM_CS1 7 RAM_DOS 6 RAM_DS3 GND 8 RAM_DOS 00 RAM_DOS 7 RAM_DOS 00 RAM_DOS 2 RAM_DOS 7 RAM_DOS 01 RAM_DOS 01 RAM_DOS 01 RAM_DOS 01 RAM_DOS 02 RAM_DOS 03 RAM_DOS 04 RAM_DOS 05 RAM_DOS 06 RAM_DOS 07 RAM_DOS 07 RAM_DOS 08 RAM_DOS 08 RAM_DOS 08 RAM_DOS 08 RAM_DOS 09 RAM_DOS 08 RA | 22 20 38 84 44 18 16 16 16 16 17 241 18 18 18 18 18 18 18 18 18 18 18 18 18 | |
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