

DECA BEABLEBONE CONNECTORS

J9 P9_Male

PS2_MOUSE_DAT	9	PS2_MOUSE_CLK	10
PS2_KEYB_CLK	11	PS2_KEYB_DAT	12
VGA_VS	13	VGA_HS	14
VGA_B0	15	VGA_R0	16
VGA_G0	17	VGA_G3	18
VGA_G2	19	VGA_R3	20
VGA_B3	21	VGA_R2	22
VGA_B2	23	VGA_G2	24
VGA_B1	25	VGA_R1	26
DET01	27	DET02	28
SPI_DI (MISO)	29	SPI_DO (MOSI)	30
SPI_SCK	31		32
JOYX_SEL_0	33	JOY1_B1_P6	34
JOY1_B2_P9	35	JOY1_DOWN	36
JOY1_UP	37	JOY1_LEFT	38
JOY1_RIGHT	39	JOY1_LEFT	40
JOY_MUX_DET03	41	SPI_CS_FPGA	42
	43		44
	45		46

J8 P8_Male

UART_TXD	3	UART_RXD	4
SPI_CS_OSD	5	SPI_CS_IO	6
DQ0	7	DQ1	8
DQ2	9	DQ3	10
DQ4	11	DQ5	12
DQ6	13	DQ7	14
DQ14	15	DQ15	16
LDQM	17	UDQM	18
DQ13	19	DQ12	20
DQ11	21	DQ10	22
DQ9	23	DQ8	24
A12	25	CLK	26
A9	27	A11	28
A7	29	A8	30
A5	31	A6	32
nWE	33	A4	34
DET04	35	CKE	36
nCAS	37	nRAS	38
nCS0	39	BA0	40
BA1	41	A10	42
A0	43	A1	44
A2	45	A3	46

J11 PMOD1

VGA_R0	1	VGA_B0	7
VGA_R1	2	VGA_B1	8
VGA_R2	3	VGA_B2	9
VGA_R3	4	VGA_B3	10
	5		11
	6		12

J12 PMOD2

VGA_G0	1	VGA_HS	7
VGA_G1	2	VGA_VS	8
VGA_G2	3	DET01	9
VGA_G3	4	DET02	10
	5		11
	6		12

J20 PMOD3

SPI_CS_OSD	1	UART_RXD	7
SPI_DO (MOSI)	2	UART_TXD	8
SPI_DI (MISO)	3	SPI_CS_IO	9
SPI_SCK	4	SPI_CS_FPGA	10
	5		11
	6		12

J6 Conn_02x20_Odd_Even

DQ0	1	DQ1	2
DQ2	3	DQ3	4
DQ4	5	DQ5	6
DQ6	7	DQ7	8
DQ14	9	DQ15	10
	11		12
DQ13	13	DQ12	14
DQ11	15	DQ10	16
DQ9	17	DQ8	18
A12	19	CLK	20
A9	21	A11	22
A7	23	A8	24
A5	25	A6	26
nWE	27	A4	28
	29		30
nCAS	31	nRAS	32
nCS0	33	BA0	34
BA1	35	A10	36
A0	37	A1	38
A2	39	A3	40

J7 Conn_01x03

CKE	1
UDQM	2
LDQM	3

Testpoints VGA HS/VS

UART

DETO BUS (6 pin Pmod)

JTAG (Pogo pins)

POWER SUPPLY

POWER HEADERS

Mini-DIN 6P - PS2 KEYBOARD

Mini-DIN 6P - PS2 MOUSE

VGA

USB3 USER PORT

DB9

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 2022 Somhic <@somhic at telegram>

Hard Team Deca
 Sheet: /
 File: arrow_deca_retro_cape.kicad_sch

Title: DECA RETRO CAPE 2

Size: A3 Date: 2022-03-10 Rev: 0.68
 KiCad E.D.A. kicad 6.0.0-d3dd2cf0fa-116-ubuntu20.04.1 Id: 1/1

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Size: A3	Date: 2022-03-10
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Rev: 0.68

Id: 1/1