Phy	Edison Pin	MRAA	Function	Project
J17-1	GP182	0	PWM2	dimm_0
J17-4	VIN 7-15v			12vdc
J17-5	GP135	4	UART2_TX	
J17-6			RCVR_MODE Firmware	
J17-7	GP27	6	I2C6_SCL	
J17-8	GP20	7	I2C1_SDA	sda
J17-9	GP28	8	I2C6_SDA	
J17-10	GP111	9	SPI-5-CS1	
J17-11	GP109	10	SSP-5-SCK	led_d
J17-12	GP115	11	SSI-5-MOSI	
J17-13			OSC_CLK_OUT_0	
J17-14	GP128	13	UART1_CTS	
J18-1	GP13	14	PWM1	
J18-2	GP165	15		data_0
J18-3			GPI_PWRBTN_N	
J18-4			MSIC_SLP_CLK2	
J18-5			V_VBAT_BKUP	
J18-6	GP19	19	I2C-1-SCL	
J18-7	GP12	20	PWM0	
J18-8	GP183	21	PWM3	
J18-10	GP110	23	SPI-5-CS0	
J18-11	GP114	24	SPI-5-MISO	
J18-12	GP129	25	UART-1-RTS	
J18-13	GP130	26	UART-1-RX	
J18-14			FW_RCVR	
J19-2			V_V1P80	1.8v
J19-3		GND		gnd
J19-4	GP44	31	ALS_INT_N	
J19-5	GP46	32	ACC_INT_1	
J19-6	GP48	33	GYRO_DRDY	
J19-7			RESET_OUT	
J19-8	GP131	35	UART-1-TX	
J19-9	GP14	36	AUDIO_CODEC_INT	
J19-10	GP40	37	SSP2_CLK	
J19-11	GP43	38	SSP2_TXD	
J19-12	GP77	39	SD_CDN	latch_1
J19-13	GP82	40	SD_DAT2	clock_1
J19-14	GP83	41	SD_DAT3	data_1
J20-1			V_VSYS	
J20-2			V_V3P30	
J20-3	GP134	44		
J20-4	GP45	45	Compass Ready	
J20-5	GP47	46	ACC_INT_2	
J20-6	GP49	47	GYRO_INT	
J20-7	GP15	48		clk_0
J20-8	GP84	49	SD_CLK_FB	
J20-9	GP42	50	SSP2_RXD	
J20-10	GP41	51	SSP2_FS	
J20-11	GP78	52	SD_CLK	
J20-12	GP79	53	SD_CMD	
J20-13	GP80	54	SD_DAT0	
J20-14	GP81	55	SD_DAT1	

Sure DE-DP002 7-seg LED
74HC595_0

data_0	15	J18-2
clock_0	48	J20-7
dimm_0	0	J17-1

J17-1 dimm
J17-4 VIN 7-15vdc
J17-6 I2C1 SCL
J17-8 I2C1 SDA
J17-11 led_d
J18-2 data_0
J19-13 data_1
J19-14 clk_1
J20-7 clk
J19-2 1.8vdc
J19-3 gnd
J20-2 3.3vdc

12vdc

GND

+5vdc

SURE
DC-RG003-2B

DC Coaxial
Power Jack

12vdc
1000MaH In

high 0x77 YEL

LSF0108 Logic Level
Translator

baro 0x70 RED

temp 0x73 WHT

low 0x72 BLU

WS-2821 x24
led_d 10 J17-11

Mikro 7seg click

data_1	40	J19-13
clock_1	41	J18-14
latch_1	55	J20-14

PWR SEL
+3.3V +5V

Set board for +5v

0.56" 7-segment LED HT16K33 Backpack

4.31615 in
1.38699 in
3.55361 in
3.4759 in
2.06436 in
7.06454 in
7.19264 in
2.71056 in
3.78631 in
1.47084 in
1.61702 in
2.24717 in
1.50461 in
1.45673 in
1.49896 in
1.54346 in
2.65159 in
5.41638 in
5.84625 in
4.44416 in
1.42126 in
1.42045 in
1.40262 in
1.51087 in
5.25444 in
5.72404 in
4.30629 in
3.89661 in
3.98662 in
1.26081 in