3_3V

10uH
L?

C?
10uF
C?
0.1uF
C?
0.1uF
C?
0.1uF

BEAD
L?

C?
0.1uF
C?
10uF

IC?

RESET/PDI_CLK	35	PA0	40 Y0B
PDI_DATA	34	PA1	41 Y1B
		PA2	42 Y2B
		PA3	43 Y3B
		PA4	44
PR0	36	PA5	1
PR1	37	PA6	2
		PA7	3
SDA PE0	28	PB0	4 Y0A
SCL PE1	29	PB1	5 Y1A
PE2	32	PB2	6 Y2A
PE3	33	PB3	7 Y3A
PD0	20	PC0	10 X0
PD1	21	PC1	11 X1
PD2	22	PC2	12 X2
PD3	23	PC3	13 X3
PD4	24	PC4	14 X4
PD5	25	PC5	15 X5
PD6	26	PC6	16 X6
PD7	27	PC7	17 X7

VCC 9
VCC 19
VCC 31
AVCC 39

GND 8
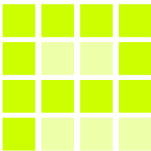GND 18
GND 30
GND 38

ATXMEGA64A4U-A

Sheet: LED_Display

File: LED_Display.sch

Sheet: PowerManagement

PWR_SDA

PWR_SCL

PWR_D+
PWR_D-

PWR_VBUS

PWR_INT

PWR_3_3V

PWR_5V

PWR_GND

File: PowerManagement.sch

Sheet: RF

File: RF.sch

Projects and Stuff

AS1116

19	VDD	DIG0	2
		DIG1	3
		DIG2	4
13	ISET	DIG3	5
		DIG4	7
1	SDI	DIG5	8
14	SCL	DIG6	9
		DIG7	10
11	LD	SEGA	15
24	SDO	SEGB	17
		SEGC	20
		SEGD	23
		SEGE	21
		SEGF	16
12	NC	SEGG	18
6	GND	SEGDP	22

U?

NVT2006

16	VREFA	EN	14
		VREFB	13

5V

C7
0.1uF

3_3V

560 R?
560 R?
560 R?

560 R?
560 R?
560 R?

1	A1	B1	12
2	A2	B2	11
3	A3	B3	10
4	A4	B4	9
5	A5	B5	8
6	A6	B6	7

GND 15

SPI Level
Translator

U?

AS1116

19	VDD	DIG0	2
		DIG1	3
		DIG2	4
13	ISET	DIG3	5
		DIG4	7
1	SDI	DIG5	8
14	SCL	DIG6	9
		DIG7	10
11	LD	SEGA	15
24	SDO	SEGB	17
		SEGC	20
		SEGD	23
		SEGE	21
		SEGF	16
12	NC	SEGG	18
6	GND	SEGDP	22

U?

AS1116

19	VDD	DIG0	2
		DIG1	3
		DIG2	4
13	ISET	DIG3	5
		DIG4	7
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		SEGC	20
		SEGD	23
		SEGE	21
		SEGF	16
12	NC	SEGG	18
6	GND	SEGDP	22

U?

CC2500

3_3V

DVDD   4

AVDD   9
AVDD   11
AVDD   14
AVDD   15
DGUARD   18
DCOUPL   5

C?   C?
0.1uF   1uF

C?
0.1uF

SCLK   1
SI   20
SO_GD01   2
GD00_ATEST   6
GDO2   3
CSn   7

RF_N   13
RF_P   12

RBIAS   17

R?
R?

XOSC_Q1   XOSC_Q2   GND GND GNDPAD

8   10   16 19

U?

X?
26 MHz

C?   C?
15pF   15pF