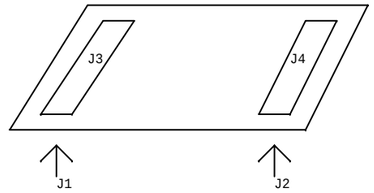
STK600-RC044M-31 (qfp version of RC040M-5)

J3 and J4 mates up to the socket card, while J1 and J2 goes down to the mother board. J1 is physical placed below J3, and J2 below J4.



VTG — VCC_P17 — C2 100n — GND — Place close to J3, pin3

L2 BLM21AG102SN1D — Place close to J3, pin3 — C9 100n — GND — Not Used

VTG — AVCC — C7 100n — GND — Place close to J3, pin39

AREF — C3 100n — GND — Place close to J3, pin23

Not Used — C8 100n — GND — Place close to J3, pin65

L1 BLM21AG102SN1D — Place close to J3, pin26 — VTG — C1 100n — GND — Not Used

L3 BLM21AG102SN1D — Place close to J4, pin28 — C11 100n — GND

Not Used — C14 100n — GND — Place close to j4, pin6

Not Used — C15 100n — GND — Place close to J4, pin15

Not Used — C5 100n — GND — Place close to J3, pin8

Not Used — C6 1u — GND — Place close to J3, pin4

Not Used — C4 100n — GND — Place close to J3, pin24

Not Used — VTG — VCC_P14 — C26 100n — GND — Place close to J3, pin12

Not Used — C12 100n — GND — Place close to J3, pin54

Not Used — C19 100n — Place close to J3, pin38

Not Used — C16 100n — GND — Place close to J3, pin72

Not Used — VTG — VCC_P44 — C18 100n — GND — Place close to J3, pin50

Not Used — C17 100n — GND — Place close to J4, pin26

Not Used — C20 100n — GND — Place close to J4, pin56

Not Used — C22 100n — GND — Place close to J4, pin35

Not Used — C10 100n — GND — Place close to J4, pin55

Not Used — C21 100n — GND — Place close to J4, pin66

J1 — Mating FSI-150

GND	1	2	VTG				
PA0	3	4	PA1				
PA2	5	6	PA3				
PA4	7	8	PA5				
PA6	9	10	PA7				
GND	11	12	VTG				
PB0	13	14	PB1				
PB2	15	16	PB3				
PB4	17	18	PB5				
PB6	19	20	PB7				
GND	21	22	VTG				
PC0	23	24	PC1				
PC2	25	26	PC3				
PC4	27	28	PC5				
TOSC1	29	30	TOSC2				
GND	31	32	VTG				
PD0	33	34	PD1				
PD2	35	36	PD3				
PD4	37	38	PD5				
PD6	39	40	PD7				
GND	41	42	VTG				
	43	44					
	45	46					
	47	48					
	49	50					
GND	51	52	VTG				
	53	54					
	55	56					
	57	58					
GND	61	62	VTG				
	63	64					
	65	66					
	67	68	PG5				
GND	71	72	VTG				
	73	74					
	75	76					
	77	78					
	79	80					
GND	81	82	VTG				
XTAL1	83	84	AREF0	AREF			
XTAL2	85	86	AREF1				
GND	87	88	MOSI	PB5			
TOSC1	89	90	MISO	PB6			
TOSC2	91	92	SCK	PB7			
RESET	93	94	TDI	PC5			
GND	95	96	TDO	PC4			
	97	98	TMS	PC3			
VCC	99	100	TCK	PC2			

J3 — Mating FSI-140

GND	1	2	GND				
PB4	3	4	PB5				
PB3	5	6	PB6				
PB2	7	8	PB7				
PB1	9	10	RESET				
GND	11	12	GND				
PB0	13	14	VCC_P14				
GND	15	16	GND				
VCC_P17	17	18	XTAL2				
PA0	19	20	XTAL1				
GND	21	22	GND				
PA1	23	24	PD0				
PA2	25	26	PD1				
PA3	27	28	PD2				
PA4	29	30	PD3				
GND	31	32	GND				
PA5	33	34	PD4				
PA6	35	36	PD5				
PA7	37	38	PD6				
AREF	39	40	PD7				
GND	41	42	GND				
	43	44	VCC_P44				
GND	45	46	GND				
AVCC	47	48	PC0				
TOSC2	49	50	PC1				
TOSC1	51	52	GND				
PC5	53	54	PC2				
PC4	55	56	PC3				
	57	58					
	59	60					
GND	61	62	GND				
	63	64					
	65	66					
	67	68					
	69	70					
GND	71	72	GND				
	73	74					
	75	76					
	77	78					
	79	80					

J4 — Mating FSI-140

GND	1	2	GND				
	3	4					
	5	6					
	7	8					
	9	10					
GND	11	12	GND				
	13	14					
	15	16					
	17	18					
	19	20					
GND	21	22	GND				
	23	24					
	25	26					
	27	28					
	29	30					
GND	31	32	GND				
	33	34					
	35	36					
	37	38					
	39	40					
GND	41	42	GND				
	43	44					
	45	46					
	47	48					
	49	50					
GND	51	52	GND				
	53	54					
	55	56					
	57	58					
GND	61	62	GND				
	63	64					
	65	66					
	67	68					
	69	70					
GND	71	72	GND				
	73	74					
BOARD_ID0	77	78	VCC	BOARD_ID1			
BOARD_ID4	79	80		BOARD_ID5			

J2 — Mating FSI-150

GND	1	2	VTG				
	3	4					
	5	6					
	7	8					
	9	10					
GND	11	12	VTG				
	13	14					
	15	16					
	17	18					
	19	20					
GND	21	22	VTG				
	23	24					
	25	26					
	27	28					
	29	30					
GND	31	32	VTG				
	33	34					
	35	36					
	37	38					
	39	40					
GND	41	42	VTG				
	43	44					
	45	46					
	47	48					
	49	50					
GND	51	52	VTG				
	53	54					
	55	56					
	57	58					
GND	61	62	VTG				
	63	64					
	65	66					
	67	68					
	69	70					
	71	72	VBUS				
DP	73	74	UVCon				
DN	75	76	VCC				
IUID	77	78					
GND	79	80	PDATA1	PB1			
PB0	PDATA0	82	PDATA3	PB3			
PB2	PDATA2	84	PDATA5	PB5			
PB4	PDATA4	86	PDATA7	PB7			
PB6	PDATA6	88	PCTRL1	PD1			
PA0	PCTRL0	90	PCTRL3	PD3			
PD2	PCTRL2	92	PCTRL5	PD5			
PD4	PCTRL4	94	PCTRL7	PD7			
PD6	PCTRL6	A 96	B	BOARD_ID1			
BOARD_ID0		98		BOARD_ID3			
BOARD_ID2		100		BOARD_ID5			
BOARD_ID4							

Board id 0x29, id2: A/B id3: A XNOR B

Not Used — U3 NC7SZ57P6X — GND — C25 100n — GND

Not Used — VCC — U6 NC7SZ58P6X — GND — C24 100n — GND

VCC — U5 NC7SZ58P6X — GND — C13 100n — GND

VCC — U4 NC7SZ57P6X — NOR — /A — GND — C23 100n — GND

E5 PCB Clip Hole — E7 PCB Clip Hole — E4 PCB Clip Hole — E6 PCB Clip Hole — GND

E1 FIDUCIAL — E2 FIDUCIAL — E3 FIDUCIAL

PCB1 — A08-0486.A

<Variant Name>

ATMEL Norway AS Vestre Rosten 79 N-7075 TILLER Norway			
Title	STK600 RouterCard RC044M-31		
Size A3	Document Number <Doc>		Rev A
Date: Tuesday, February 05, 2008		Sheet 1 of 1	

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