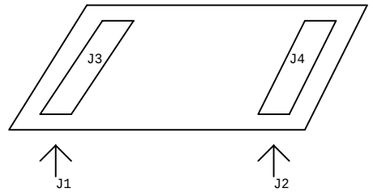
STK600 Routing Card RC064M-9

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.



L2 BLM21AG102SN1D — Place close to J3, pin3 — C9 100n — VTG, GND

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

L3 BLM21AG102SN1D — Place close to J4, pin28 — AVCC — C11 100n Not Used — GND

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

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

AREF0 — Place close to J3, pin3 — C2 100n — GND

Not Used C3 100n — GND — Place close to J3, pin23

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

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

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 C26 100n — GND — Place close to J3, pin12

VTG — 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 C18 100n — 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

J3 — Do Not Stuff

GND 1	2 GND		
AVCC 3	4		PEN
GND 5	6		PE0
7	8		PE1
PF0 9	10		PE2
GND 11	12 GND		
PF1 13	14		PE3
PF2 15	16		PE4
PF3 17	18		PE5
PF4 19	20		PE6
GND 21	22 GND		
PF5 23	24		PE7
PF6 25	26		PB0
PF7 27	28		PB1
GND 29	30		PB2
GND 31	32 GND		
VCC_P52 33	34		PB3
PA0 35	36		PB4
PA1 37	38		PB5
PA2 39	40		PB6
GND 41	42 GND		
PA3 43	44		PB7
PA4 45	46		TOSC2
PA5 47	48		TOSC1
PA6 49	50		RESET
GND 51	52 GND		
PA7 53	54		VCC_P21
PG2 55	56 GND		
PC7 57	58		XTAL2
PC6 59	60		XTAL1
GND 61	62 GND		
PC5 63	64		PD0
PC4 65	66		PD1
PC3 67	68		PD2
PC2 69	70		PD3
GND 71	72 GND		
PC1 73	74		PD4
PC0 75	76		PD5
PG1 77	78		PD6
PG0 79	80		PD7

J4 — Do Not Stuff

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		
59	60		
GND 61	62 GND		
63	64		
65	66		
67	68		
69	70		
GND 71	72 GND		
73	74		
GND 75	76 VCC		
BOARD_ID0 77	78		BOARD_ID1
BOARD_ID4 79	80		BOARD_ID5

Do Not Stuff

J1 — Do Not Stuff

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
PC6 29	30		PC7
GND 31	32 VTG		
PD0 33	34		PD1
PD2 35	36		PD3
PD4 37	38		PD5
PD6 39	40		PD7
GND 41	42 VTG		
PE0 43	44		PE1
PE2 45	46		PE3
PE4 47	48		PE5
PE6 49	50		PE7
GND 51	52 VTG		
PF0 53	54		PF1
PF2 55	56		PF3
PF4 57	58		PF5
PF6 59	60		PF7
GND 61	62 VTG		
PG0 63	64		PG1
PG2 65	66		TOSC2
TOSC1 67	68	PG5	PEN
69	70		
GND 71	72 VTG		
73	74		
75	76		
77	78		
GND 79	80 VTG		
XTAL1 81	82		AREF0
XTAL2 83	84		
GND 85	86	MOSI	PE0
TOSC1 87	TOSC1 88	MISO	PE1
TOSC2 89	TOSC2 90	SCK	PB1
RESET 91	92	TDI	PF7
GND 93	94	TDO	PF6
95	96	TMS	PF5
GND 97	98	TCK	PF4
99	100		

Do Not Stuff

J2 — Do Not Stuff

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		
59	60		
GND 61	62 VTG		
63	64		
65	66		
67	68		
69	70		
71	72		
73	74		
75	76 VCC		
GND 77	78		
PB0 79	PDATA0 80	PDATA1	PB1
PB2 81	PDATA2 82	PDATA3	PB3
PB4 83	PDATA4 84	PDATA5	PB5
PB6 85	PDATA6 86	PDATA7	PB7
PA0 87	PCTRL0 88	PCTRL1	PD1
PD2 89	PCTRL2 90	PCTRL3	PD3
PD4 91	PCTRL4 92	PCTRL5	PD5
PD6 93	PCTRL6 94	PCTRL7	PD7
BOARD_ID0 95	96		BOARD_ID1
BOARD_ID2 97	98		BOARD_ID3
BOARD_ID4 99	100		BOARD_ID5

Do Not Stuff

Board id 0x55, id2: /A id3: /A

E5 Do Not Stuff — E7 Do Not Stuff — E4 Do Not Stuff — E6 Do Not Stuff — GND

E1 Do Not Stuff — E2 Do Not Stuff — E3 Do Not Stuff

PCB1 — A0607.3.1209.A

Not Used NC_U6 — U6 — Do Not Stuff — GND — C24 100n — GND

Not Used NC_U5 — U5 — Do Not Stuff — GND — C13 100n — GND

Not Used NC_U3 — U3 — NC7SZ57P6X — GND — C25 100n — GND

VCC — U4 — A — /A — VCC — GND — NC7SZ57P6X — GND — VCC — C23 100n — GND

bom

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