

Monaka MIDI Implementation chart

STATUS MESSAGE	MEAN	PARAM1	PARAM2	OUT (Monaka-> MIDI)	IN (MIDI-> Monaka)
80	NOTE OFF	#TONE	(don't care)	Unused	DIGITAL IN (0)
90	NOTE ON	#TONE	VELOCITY	DIGITAL OUT	DIGITAL IN
A0					
B0	Control Change	22	VALUE	ANALOG #0 OUT	ANALOG #0 IN
B0	Control Change	23	VALUE	ANALOG #1 OUT	ANALOG #1 IN
B0	Control Change	24	VALUE	ANALOG #2 OUT	ANALOG #2 IN
B0	Control Change	25	VALUE	ANALOG #3 OUT	ANALOG #3 IN
B0	Control Change	120	(don't care)		ALL NOTE OFF
B0	Control Change	121	(don't care)		RESET ALL CONTROLLER
B0	Control Change	122	#CONFIG MODE		MODE CHANGE
B0	Control Change	123	(don't care)		ALL NOTE OFF
B0	Control Change	124			
B0	Control Change	125			
B0	Control Change	126	MIDI CLOCK CONTROL		BIT6: START/STOP CONTROL MODE(1) BIT5-0: MIDI CLOCK PRESCALE COUNTER
B0	Control Change	127			
C0					
D0					
E0					
F8	MIDI CLOCK				MIDI CLOCK
F9					
FA	START				START
FB	RESTART				RESTART
FC	STOP				STOP

Ginger-monaka CONFIGURATION CHART

Pin	Port	Port-Pin	CONFIG_1	CONFIG_2	CONFIG_3	CONFIG_4	CONFIG_5	CONFIG_6	CONFI_7	CONFI_8
14	PB0	din-2	POLY:F#3	POLY:F#3	POLY:F#3	POLY:F#3	POLY:F#3	POLY:F#3	ROW-06	
15	PB1	aout-2	TONE-OUT	TONE-OUT	TONE-OUT	PWM-2	TONE-OUT	CONTROL	COL-02	SERVO-2
16	PB2	aout-3	MONO-bit2	POLY:A#3	POLY:A#3	PWM-3	POLY:A#3	POLY:A#3	COL-03	SERVO-3
17	PB3	dout-0	MONO-bit3	POLY:B3	POLY:B3	POLY:B3	POLY:B3	POLY:B3	COL-04	
18	PB4	(BUTTON)	POLY:B2	POLY:B2	POLY:B2	POLY:B2	POLY:B2	POLY:B2	POLY:B2	
19	PB5	(LED)	LED	LED	LED	LED	LED	LED	LED	LED
9	PB6		XTAL	XTAL	XTAL	XTAL	XTAL	XTAL	XTAL	XTAL
10	PB7		XTAL	XTAL	XTAL	XTAL	XTAL	XTAL	XTAL	XTAL
23	PC0	ain-0	POLY:C3	POLY:C3	POLY:C3	AIN-0	POLY:C3	POLY:C3	ROW-00	
24	PC1	ain-1	POLY:C#3	POLY:C#3	POLY:C#3	AIN-1	POLY:C#3	POLY:C#3	ROW-01	
25	PC2	ain-2	POLY:D3	POLY:D3	POLY:D3	AIN-2	POLY:D3	POLY:D3	ROW-02	
26	PC3	ain-3	POLY:D#3	POLY:D#3	POLY:D#3	AIN-3	POLY:D#3	POLY:D#3	ROW-03	
27	PC4	din-0	POLY:E3	POLY:E3	POLY:E3	POLY:E3	POLY:E3	POLY:E3	ROW-04	
28	PC5	din-1	POLY:F3	POLY:F3	POLY:F3	POLY:F3	POLY:F3	POLY:F3	ROW-05	
1	PC6		RESET	RESET	RESET	RESET	RESET	RESET	RESET	RESET
2	PD0		USB/D-	USB/D-	USB/D-	USB/D-	USB/D-	USB/D-	USB/D-	USB/D-
3	PD1	din-3	POLY:G3	POLY:G3	POLY:G3	POLY:G3	POLY:G3	POLY:G3	ROW-07	
4	PD2		USB/D+	USB/D+	USB/D+	USB/D+	USB/D+	USB/D+	USB/D+	USB/D+
5	PD3	dout-1	MONO-bit4	POLY:C4	POLY:C4	POLY:C4	POLY:C4	POLY:C4	COL-05	
6	PD4	dout-2	MONO-bit5	POLY:C#4	POLY:C#4	POLY:C#4	POLY:C#4	SHIFT: 7th	COL-06	
11	PD5	aout-1	MONO-bit1	POLY:A3	START/END	PWM-1	POLY:A3	POLY:A3	COL-01	SERVO-1
12	PD6	aout-0	MONO-bit0	POLY:G#3	CLOCK	PWM-0	POLY:G#3	POLY:G#3	COL-00	SERVO-0
13	PD7	dout-3	MONO-bit6	POLY:D4	POLY:D4	POLY:D4	POLY:D4	SHIFT: Major	COL-07	

	CONFIG_1	CONFIG_2	CONFIG_3	CONFIG_4	CONFIG_5	CONFIG_6	CONFI_7	CONFI_8
POLY-OUT	8	15	-	4	-	-	-	-
TRIG-OUT	-	-	8	-	-	-	-	-
POLY-IN	1	1	5+1	4+1	16	14	64(SCAN)	
MONO	7bit	-	-	-	-	-	-	-
TONE-OUT	1	1	1	-	1	-	-	-
CLOCK	-	-	1+1	-	-	-	-	-
A-OUT(PWM)	-	-	-	4	-	-	-	-
A-IN	-	-	-	4	-	-	-	-
STATUS	IMPL	IMPL	IMPL	INPL	INPL	INPL	INPL	INPL

NOTE

Guitar Chord COL: OUTPUT, ROW:INPUT

