

pin-no	MCU	Mikro Click Socket 1 J901	Mikro Click Socket 2 J902	Mikro Click Socket 3 J903	ESP8266
	Function				
1	PG5 (OC0B)				
5	PE3 (OC3A/AIN1)			(PWM3)/9	
6	PE4 (OC3B/INT4)			(INT3)/10	
7	PE5 (OC3C/INT5)		(INT2)/10		
12	PH0 (RXD2)		(RXD2)/11		
13	PH1 (TXD2)		(TXD2)/12		
15	PH3 (OC4A)		(PWM2)/9		
16	PH4 (OC4B)				
17	PH5 (OC4C)			(RST3)/7	
18	PH6 (OC2B)		(RST2)/7		
19	PB0 (SS/PCINT0)				
20	PB1 (SCK/PCINT1)	(SCK)/8	(SCK)/8	(SCK)/8	
21	PB2 (MOSI/PCINT2)	(MOSI)/6	(MOSI)/6	(MOSI)/6	
22	PB3 (MISO/PCINT3)	(MISO)/5	(MISO)/5	(MISO)/5	
23	PB4 (OC2A/PCINT4)				
24	PB5 (OC1A/PCINT5)				
25	PB6 (OC1B/PCINT6)		(SPI_CS2)/3		
26	PB7 (OC0A/OC1C/PCINT7)				
30	RESET				
35	PL0 (ICP4)				
36	PL1 (ICP5)				
37	PL2 (T5)				
38	PL3 (OC5A)	(PWM1)/9			
39	PL4 (OC5B)				
40	PL5 (OC5C)	(SPI_CS1)/3			
41	PL6				
42	PL7				
43	PD0 (SCL/INT0)	(SCL)/13	(SCL)/13	(SCL)/13	
44	PD1 (SDA/INT1)	(SDA)/14	(SDA)/14	(SDA)/14	
45	PD2 (RXD1/INT2)	(RXD1)/11			
46	PD3 (TXD1/INT3)	(TXD1)/12			
51	PG0 (WR)				
52	PG1 (RD)				
53	PC0 (A8)				
54	PC1 (A9)				
55	PC2 (A10)				
56	PC3 (A11)				
57	PC4 (A12)				
58	PC5 (A13)				
59	PC6 (A14)				
60	PC7 (A15)				
63	PJ0 (RXD3/PCINT9)			(RXD3)/11	RXD/7
64	PJ1 (TXD3/PCINT10)			(TXD3)/12	TXD/2

70	PG2 (ALE)				
71	PA7 (AD7)				
72	PA6 (AD6)				
73	PA5 (AD5)				
74	PA4 (AD4)				
75	PA3 (AD3)				
76	PA2 (AD2)				
77	PA1 (AD1)				
78	PA0 (AD0)				
82	PK7 (ADC15/PCINT23)				
83	PK6 (ADC14/PCINT22)				
84	PK5 (ADC13/PCINT21)			(SPI_CS3)/3	
85	PK4 (ADC12/PCINT20)	(RST1)/7			
86	PK3 (ADC11/PCINT19)	(INT1)/10			
87	PK2 (ADC10/PCINT18)			(AN3)/4	
88	PK1 (ADC9/PCINT17)		(AN2)/4		
89	PK0 (ADC8/PCINT16)	(AN1)/4			
90	PF7 (ADC7/TDI)				
91	PF6 (ADC6/TDO)				
92	PF5 (ADC5/TMS)				
93	PF4 (ADC4/TCK)				
94	PF3 (ADC3)				
95	PF2 (ADC2)				
96	PF1 (ADC1)				
97	PF0 (ADC0)				
98	AREF				

General Shield Connector Signals
(Not directly connected to MCU pins)

+5V (supply)	+5V/16	+5V/16	+5V/16	GND/1
+3V3 (supply)	+3V3/2	+3V3/2	+3V3/2	VCC_3V3/8
GND	GND/1	GND/1	GND/1	
GND	GND/15	GND/15	GND/15	
GND				
GND				
Notes	Usage depends on type of Mikro Click Module Pin numbers on connector shown after /	Usage depends on type of Mikro Click Module Pin numbers on connector shown after /	Usage depends on type of Mikro Click Module Pin numbers on connector shown after /	Pin numbers on connector shown after /

[illegible]

GY-91	Analouge/J12	NRF24L01	J13/RC-Servo	J14/RC-Servo	STK-Con/JP102	STK-Con/JP103	JTAG/J2	Timers/J15
								OC0B/3
								OC3A/8
		IRQ/8						OC3B/9
								OC3C/10
								OC4A/12
								OC4B/13
								OC4C/14
								OC2B/7
								T0/1
		SCK/5						
		MOSI/6						
		MISO/7						
								OC2A/6
								OC1A/4
								OC1B/5
								OC0A/2
							RESET/6	
								ICP4/11
								ICP5/16
								T5/15
				RC-PWM/2				OC5A/17
			RC-PWM/2					OC5B/18
								OC5C/19
		CE/3						
		CSN/4						
SCL/4								
SDA/5								
					PC0/1			
					PC1/2			
					PC2/3			
					PC3/4			
					PC4/5			
					PC5/6			
					PC6/7			
					PC7/8			

						PK7/8		
						PK6/7		
	ADC13/6					PK5/6		
	ADC12/5					PK4/5		
	ADC11/4					PK3/4		
	ADC10/3					PK2/3		
	ADC9/2					PK1/2		
	ADC8/1					PK0/1		
							TDI/9	
							TDO/3	
							TMS/5	
							TCK/1	
	AREF-BUF/7							AREF/20

[illegible]

	Shield Components						
HIH-8120	7-Segment	MCP4822/DAC	Status Leds	Potmeter	TMP-36	Switches	Leds
			ST3				
			ST4				
	RCK						
	SCK	DAC-SCK					
	MOSI	DAC-MOSI					
	MISO						
SCL							
SDA							
						SW7	
						SW8	
					TMP36-EN		
		DAC-LDAC					
						SW1	
						SW2	
						SW3	
						SW4	
						SW5	
						SW6	
			ST1				
			ST2				

		DAC-CS					
							(Led8)
							(Led7)
							(Led6)
							(Led5)
							(Led4)
							(Led3)
							(Led2)
							(Led1)
					TMP36-VOUT		
				VOUT-POT			
	D4						
	D3						
	D2						
	D1						
				AREF-BUF			

If the switches are not activated
the signals can be used for other purpose