NuMaker										NuMaker-IoT						NuMaker										NuMaker-IoT						
PAD#	LQFP128	PIN NAME	LCD	WIFI	SD Card	USB	ETM	UNO	Other	mikroBUS	WIFI	LoRa	UNO	CAN&485	Other	PAD#	LQFP128	PIN NAME	LCD	WIFI	SD Card	USB	ETM	UNO	Other	mikroBUS	WIFI	USB	UNO	CAN&485	BME680	Other
1	128	PB.6						EADC0_CH6					PB6_NU2_A1			81	65	PF.0							ICE_DAT							ICE_DAT
2	1	PB.5			SD0_DAT3								PB5_NU2_A2			82	66	PF.1							ICE_CLK							ICE_CLK
3	2	PB.4			SD0_DAT2								PB4_NU2_A3			83	67	PD.9	LCD_COM7/SEG43													
4		V_{SS}														84	68	PD.8	LCD_COM6/SEG42													
5	3	PB.3			SD0_DAT1								PB3_NU3_D1/UART1_TX			85	69	PC.5	LCD_COM5/SEG41										PC5_NU3_D3			
6	4	PB.2			SD0_DAT0								PB2_NU3_D0/UART1_RX			86	70	PC.4	LCD_COM4/SEG40										PC4_NU3_D2			
7	5	PC.12						EPWM1_CH0				SPI3_MISO				87	71	PC.3	LCD_COM3										PC3_NU3_D4			
8	6	PC.11						EPWM1_CH1				SPI3_MOSI				88	72	PC.2	LCD_COM2										PC2_NU3_D5			
9	7	PC.10						EPWM1_CH2				SPI3_CLK				89	73	PC.1	LCD_COM1					EPWM1_CH4					PC1_NU4_I2C0_SCL			
10	8	PC.9						EPWM1_CH3				SPI3_SS				90	74	PC.0	LCD_COM0					EPWM1_CH5					PC0_NU4_I2C0_SDA			
11	9	PB.1			SD0_CLK					I2C1_SCL			PB1_NU2_A5/I2C1_SCL/UART2_TX			91	75(2)	V_{SS}														
12	10	PB.0			SD0_CMD					I2C1_SDA			PB0_NU2_A4/I2C1_SDA/UART2_RX			92	75(2)	V_{SS}														
13	11(2)	V_{SS}														93	76(2)	V_{DD}														
14	11(2)	V_{SS}														94	76(2)	V_{DD}														
15	12	V_{DD}														95	77	PG.9	LCD_SEG21													
16	13	PA.11											PA11_NU5_USCI0_CLK			96	78	PG.10	LCD_SEG20													
17	14	PA.10											PA10_NU5_USCI0_DATA0_MOSI			97	79	PG.11	LCD_SEG19													
18	15	PA.9						UART1_TXD					PA9_NU5_USCI0_DATA1_MISO			98	80	PG.12	LCD_SEG18													
19	16	PA.8						UART1_RXD				LoRa_TCXO_EN				99	81	PG.13	LCD_SEG17													
20	17	PC.13		RST_ESP12									PC13_NU5_USCI0_CTL0_SS			100	82	PG.14	LCD_SEG16													
21	18	PD.12		IO0_ESP12								LoRa_DIO5				101	83	PG.15	LCD_SEG15													
22	19	PD.11							UART1_TXD / CAN0TX					CAN0TX		102	84	PD.7	LCD_SEG14													
23	20	PD.10							UART1_RXD / CAN0RX					CAN0RX		103	85	PD.6	LCD_SEG13													
24		V_{SS}														104	86	PD.5							I2C1_SCL	MBUS_INT						
25		V_{DD}														105	87	PD.4							I2C1_SDA	MBUS_ST						
26	21	PG.2	LCD_SEG39					I2C1_SCL								106	88	PD.3							LEDY					USCI0_CTL1		
27	22	PG.3	LCD_SEG38					I2C1_SDA								107	89	PD.2							LEDG					USCI0_DAT1		
28	23	PG.4	LCD_SEG37													108	90	PD.1	LCD_DH1											USCI0_DAT0		
29	24	PF.11							SW2_Button			LoRa_DIO4				109	91	PD.0	LCD_DH2													PD0_LED_R
30	25	PF.10										LoRa_DIO3				110	92	PD.13														
31	26	PF.9										LoRa_DIO2				111																
32	27	PF.8										LoRa_DIO1				112	93	PA.12				USB_VBUS					USB_VBUS					
33	28	PF.7										LoRa_DIO0				113	94	PA.13				USB_D-					USB_D-					
34	29	PF.6										LoRa_NRST				114	95	PA.14				USB_D+					USB_D+					
35	30(2)	V_{BAT}														115	96	PA.15				USB_ID					USB_ID					
36	30(2)	V_{BAT}														116	97	PE.7	LCD_SEG12					EPWM0_CH0		UART5_TXD						
37	31	PF.5							X32_IN						X32_IN	117	98	PE.6	LCD_SEG11					EPWM0_CH1		UART5_RXD						
38	32	PF.4							X32_OUT						X32_OUT	118	99	PE.5	LCD_SEG10													
39																119	100	PE.4	LCD_SEG9													
40		FCPTST														120	101	PE.3	LCD_SEG8													
41	33	PH.4	LCD_SEG36													121	102	PE.2	LCD_SEG7							EPWM0_CH5						
42	34	PH.5	LCD_SEG35													122	103	V_{SS}														
43	35	PH.6	LCD_SEG34													123	104	V_{DD}														
44	36	PH.7	LCD_SEG33													124	105	PE.1	LCD_SEG6					SPI1_MISO		QSPI0_MISO0						
45	37	PF.3							XT1_IN						XT1_IN	125	106	PE.0	LCD_SEG5					SPI1_MOSI		QSPI0_MOSI0						
46	38	PF.2							XT1_OUT						XT1_OUT	126	107	PH.8	LCD_SEG4					SPI1_CLK		QSPI0_CLK						
47	39	V_{SS}														127	108	PH.9	LCD_SEG3					SPI1_SS		QSPI0_SS						
48	40	V_{DD}														128	109	PH.10	LCD_SEG2													
49	41	PE.8	LCD_SEG32				TRACE_D3									129	110	PH.11	LCD_SEG1													
50	42	PE.9	LCD_SEG31				TRACE_D2									130	111	PD.14	LCD_SEG0													
51	43	PE.10	LCD_SEG30				TRACE_D1									131	112(5)	V_{SS}														
52	44	PE.11					TRACE_D0								Button1	132	112(5)	V_{SS}													
53	45	PE.12					TRACE_CLK				WIFI_RST					133	112(5)	V_{SS}														
54																134	112(5)	V_{SS}														
55	46	PE.13		UART4_nRTS							UART4_nRTS					135	112(5)	V_{SS}														
56	47	PC.8		UART4_nCTS							UART4_nCTS					136	113	V_{SW}														
57	48	PC.7		UART4_TXD							UART4_TXD					137	114(4)	V_{DD}														
58																138	114(4)	V_{DD}														
59	49	PC.6		UART4_RXD							UART4_RXD					139	114(4)	V_{DD}														
60																140	114(4)	V_{DD}														
61	50	PA.7							UART0_TXD				PA7_NU3_D6			141	115(3)	LDO_CAP														
62																142	115(3)	LDO_CAP														
63	51	PA.6							UART0_RXD				PA6_NU3_D7			143	115(3)	LDO_CAP														
64	52(2)	V_{SS}														144	116	PB.15				USB_VBUS_EN					USB_VBUS_EN					
65	52(2)	V_{SS}														145	117	PB.14				USB_VBUS_ST					USB_VBUS_ST					
66	53(2)	V_{DD}														146	118	PB.13													I2C2_SCL	
67	53(2)	V_{DD}														147	119	PB.12			SD0_nCD										I2C2_SDA	
68	54	LDO_CAP														148	120(2)	AV_{DD}														
69	55	PA.5	LCD_SEG29										PA5_NU4_D8			149	120(2)	AV_{DD}														
70	56	PA.4	LCD_SEG28										PA4_NU4_D9			150	121(3)	V_{REF}														
71	57	PA.3	LCD_SEG27					SPI0_SS					PA3_NU4_D10/SPI0_SS			151	121(3)	V_{REF}														
72	58	PA.2	LCD_SEG26					SPI0_CLK					PA2_NU4_D13/SPI0_CLK			152	121(3)	V_{REF}														
73	59	PA.1	LCD_SEG25					SPI0_MISO					PA1_NU4_D12/SPI0_MISO			153	122(3)	AV_{SS}														
74	60	PA.0	LCD_SEG24					SPI0_MOSI					PA0_NU4_D11/SPI0_MOSI			154	122(3)	AV_{SS}														
75	61	V_{DDD}														155	122(3)	AV_{SS}														
76																156	123	PB.11						EADC0_CH11				PB11_NU5_GPIO				
77	62	PE.14	LCD_SEG23													157	124	PB.10						EADC0_CH10	EADC0_CH10							
78	63	PE.15	LCD_SEG22													158	125	PB.9						EADC0_CH9								UART0_TX
79																159	126	PB.8						EADC0_CH8								UART0_RX
80	64	nRESET														160	127	PB.7						EADC0_CH7								