

MOKO Bluetooth Module Family

MOKO Higher-end Bluetooth Module and Evaluation Board

Nordic® nRF52832 Bluetooth Module



MK01A
Ceramic Chip Antenna
10.0x10.0x2.0mm



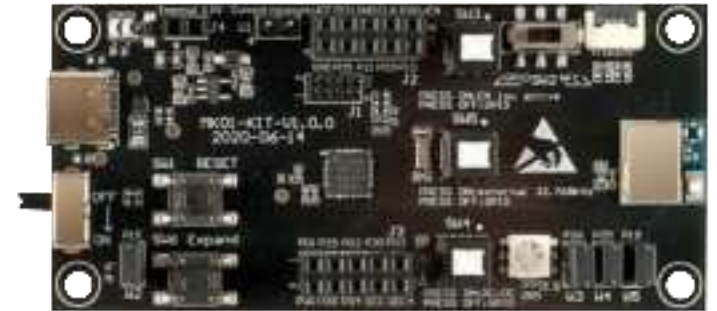
MK01B
u.FL Connector
10.0x10.0x2.0mm



MK02D
PCB Antenna
21.0x13.8x2.3mm



MK02E
u.FL Connector
21.0x13.8x2.3mm



MK01-KIT
Evaluation Board for MK01

MOKO Higher-end Bluetooth Module

Nordic® nRF52833 Bluetooth Module



MK07A
PCB Antenna
21.0x13.8x2.3mm



MK07B
u.FL Connector
21.0x13.8x2.3mm

Nordic® nRF52840 Bluetooth Module



MK08A
PCB Antenna
21.0x13.8x2.3mm



MK08B
u.FL Connector
21.0x13.8x2.3mm

TI CC2642R Bluetooth Module



MK11A
PCB Antenna
25.0x17.0x2.8mm

MOKO Lower-end Bluetooth Module

Nordic® nRF52805 Bluetooth Module



MK14A
PCB Antenna
12.1x8.9x2.0mm



MK14B
u.FL Connector
12.1x8.9x2.0mm

Nordic® nRF52810 Bluetooth Module



MK05A
PCB Antenna
21.0x13.8x2.3mm



MK05B
u.FL Connector
21.0x13.8x2.3mm

Nordic® nRF52811 Bluetooth Module



MK06A
PCB Antenna
21.0x13.8x2.3mm



MK06B
u.FL Connector
21.0x13.8x2.3mm

MOKO Higher-end Bluetooth Module

Solution	Nordic® nRF52832			
Series	MK01 Series		MK02 Series	
Model	MK01A	MK01B	MK02D	MK02E
Picture				
Pad Package	Land Grid Array (LGA)		Plated Half-hole	
Dimension	10.0x10.0x2.0mm (with shield)		21x13.8x2.3mm (with shield)	
Antenna	Ceramic Chip	u.FL Connctor	PCB Antenna	u.FL Connctor
Flash/RAM	512KB/64KB			
Bluetooth5.0/5.1 Specification	2 Mbps/CSA #2/Advertising Extensions			
Interface	UART/SPI/ TWI/ PDM/I2S/QDEC/PWM/ADC/NFC			
Power Supply	1.7-3.6 V			
Operating Temp	-40 to +85°C			
GPIO	22	22	30	30
Certification	FCC/CE/IC/MIC/RCM			
Other Feature	Bluetooth mesh, ANT+			

MOKO Higher-end Bluetooth Module

Solution	Nordic® nRF52833			Nordic® nRF52840		TI CC2642R
Series	MK07 Series			MK08 Series		MK11 Series
Model	MK07A	MK07B	MK08A	MK08B	MK11A	
Picture						
Pad Package	Land Grid Array (LGA) +Plated Half-hole				Plated Half-hole	
Dimension	21x13.8x2.3mm (with shield)				25x17x2.8mm (with shield)	
Antenna	Ceramic Chip	u.FL Connecetor	PCB Antenna	u.FL Connecetor	PCB Antenna	
Flash/RAM	512KB/128KB		1MB/256KB		352KB Flash/256KB ROM/8KB Cache SRAM/80KB ultra-low leakage SRAM	
Bluetooth5.0/5.1 Specification	Direction Finding/2 Mbps/CSA #2/ Advertising Extensions/Long Range		2 Mbps/CSA #2/Advertising Extensions/Long Range		Direction Finding(AOA)/2 Mbps/CSA #2/Advertising Extensions/Long Range	
Interface	UART/SPI/HS-SPI/ TWI/ PDM/I2S/QDEC/PWM/ADC/NFC/USB		UART/SPI/HS-SPI/QSPI/ TWI/ PDM/I2S/QDEC/PWM/ADC/NFC/USB		UART/SPI/I2C/I2S/SSI/PDM/ADC/DAC	
Power Supply	1.7-5.5 V				1.8 V to 3.8 V	
Operating Temp	-40 to +85°C (-40 to +105°C can be customized)		-40 to +85°C		-40 to +85°C (-40 to +105°C can be customized)	
GPIO	40	40	46	46	30	
Certification	FCC/CE/IC/MIC/RCM				FCC/CE	
Other Feature	Bluetooth mesh, Thread, Zigbee		Bluetooth mesh, ANT+, Thread, Zigbee			

MOKO Lower-end Bluetooth Module

Solution	Nordic® nRF52805		Nordic® nRF52810		Nordic® nRF52811	
Series	MK14 Series		MK05 Series		MK06 Series	
Model	MK14A	MK14B	MK05A	MK05B	MK06A	MK06B
Picture						
Pad Package	Plated Half-hole					
Dimension	12.1x8.9x2.0mm (with shield)		21x13.8x2.3mm (with shield)			
Antenna	PCB Antenna	u.FL Connecetor	PCB Antenna	u.FL Connecetor	PCB Antenna	u.FL Connecetor
Flash/RAM	192KB/24KB					
Bluetooth5.0/5.1 Specification	2 Mbps/CSA #2				Direction Finding/2 Mbps/CSA #2/ Advertising Extensions/Long Range	
Interface	UART/SPI/TWI/ADC		UART/SPI/ TWI/ PDM/QDEC/PWM/ADC			
Power Supply	1.7-3.6 V					
Operating Temp	-40 to +85°C					
GPIO	8	8	30	30	30	30
Certification	FCC/CE/IC/MIC/RCM					
Other Feature	-		ANT+		Thread	