



Bluetooth Low Energy & IEEE 802.15.4 Combo Module



AN54LQ Series

Item	AN54LQ-15/-10/-05	AN54LQ-P15/-P10/-P05	AN54LQ-U15/-U10/-U05	AN54LQ-A/AP/AU *With Stamp Holes
Picture				
Solution	 nRF54L15 · nRF54L10 · nRF54L05			
Size (mm)	9.5 x 13.7 x 1.8	9.5 x 13.7 x 1.8	9.5 x 14 x 1.85	13 x 16 x 2.6
Antenna	Chip	PCB	u.FL Connector for External Antenna	Chip/PCB/u.FL
Line-of-sight Distance	125Kbps: Over 550 Meters 1Mbps: Over 300 Meters 2Mbps: Over 130 Meters		125Kbps: Over 750 Meters 1Mbps: Over 300 Meters 2Mbps: Over 180 Meters	
RAM	nRF54L15: 256K nRF54L10: 192K nRF54L05: 96K			
Flash Memory	nRF54L15: 1.5M nRF54L10: 1.0M nRF54L05: 0.5M			
GPIO	31			
Bluetooth Specification	BT6.0			
Other Features	   Matter amazon sidewalk			
FCC (USA)	*SH6AN54LQ	*SH6AN54LQ	*SH6AN54LQ (4 External Antennas)	*Refer to the 3 IDs on the left.
IC (Canada)	*8017A-AN54LQ	*8017A-AN54LQ	*8017A-AN54LQ (4 External Antennas)	*Refer to the 3 IDs on the left.
CE (EU)	CE RED Directive Compliant(2 External Antennas)			
RCM (Australia & New Zealand)	RCM Compliant(2 External Antennas approved)			
Telec (Japan)	*201-250520	*201-250520	*201-250520 (4 External Antennas)	*Refer to the 3 IDs on the left.
KC (Korea)	*R-R-ryt-AN54LQ	*R-R-ryt-AN54LQ	*R-R-ryt-AN54LQ (4 External Antennas)	*Refer to the 3 IDs on the left.
SRRC (China)	*25J71R80L541	*25J71R80L541	*25J71R80L542(M) (4 External Antennas)	*Refer to the 3 IDs on the left.
NCC (Taiwan)	*CCAM25Y10170T6	*CCAM25Y10171T8	*CCAM25Y10172T0 (4 External Antennas)	*Refer to the 3 IDs on the left.
WPC (India)	WPC Equipment Type Approval(ETA) Compliant			
Interface	QSPI & I2C & SPI & UART & I2S & PDM & PWM & NFC & ADC			
Package	Anti-Static SMT Tray/88pcs; Tape & Reel/1,500pcs			
Remark	*** Module Approval Compliant			

Module Demo Board

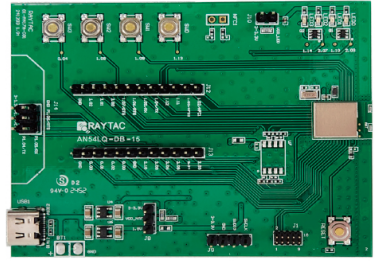
nRF54L15

AN54LQ-DB-15



Matter

amazon
sidewalk



Module Demo Board built by AN54LQ-15

- Nordic nRF54L15 SoC Solution
- BT6.0 Bluetooth Specification Certified
- BT6.0 Channel Sounding Support
- Powered by USB Type-C
- IDC (SWD) Cable Included.

AN54LQ-DB-15 Schematic

