

Approval Sheet

(產品承認書)

產品名稱	(Product)	<u>Bluetooth Low Energy Module</u>
解決方案	(Solution)	<u>Nordic nRF52832 QFN Package</u>
產品型號	(Model No.)	<u>MDBT42Q – P512KV2 (PCB Antenna)</u>
產品料號	(Part No.)	<u>see 4.3 Order Code</u>

Advantage of MDBT42Q & MDBT42Q-P series:

1. *Long working distance under 1 Mbps:*

MDBT42Q: over 80 meters in open space.

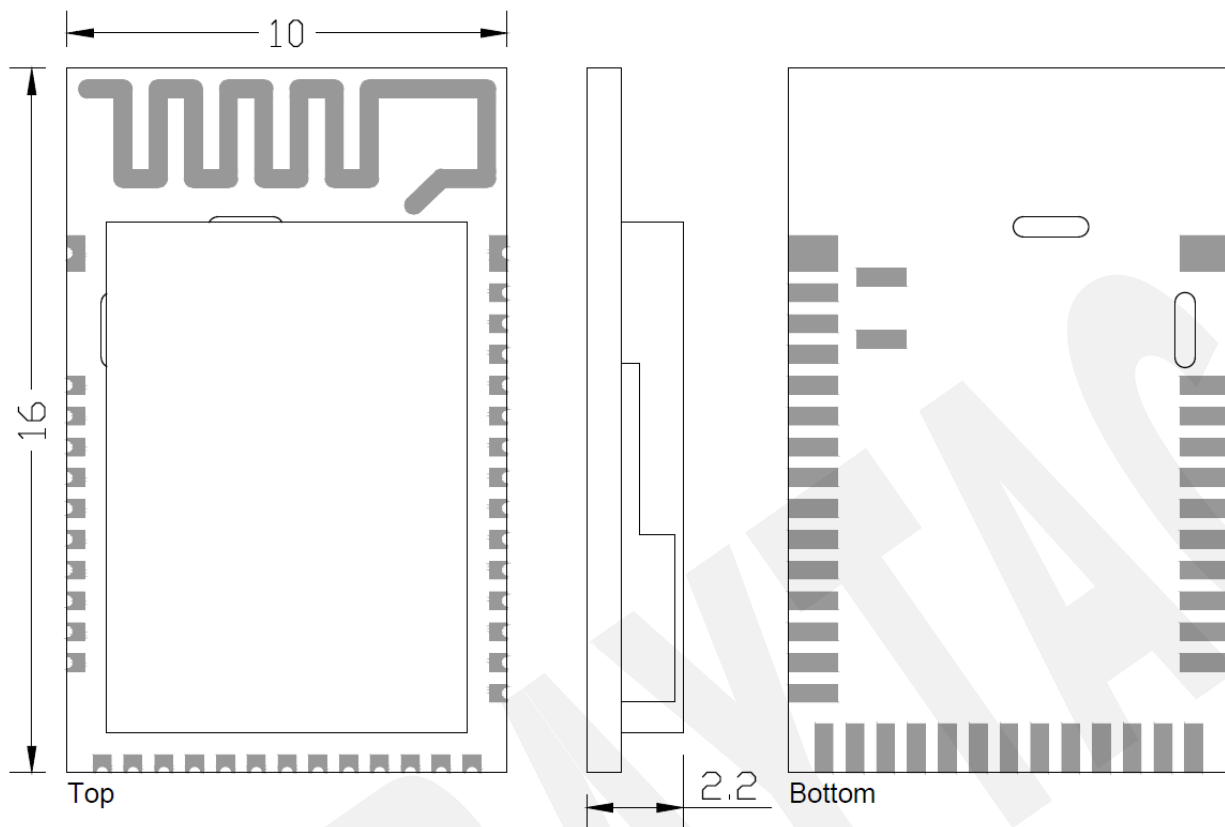
MDBT42Q-P: up to 60 meters in open space.

2. *Declaration ID includes all Nordic applied profiles.*

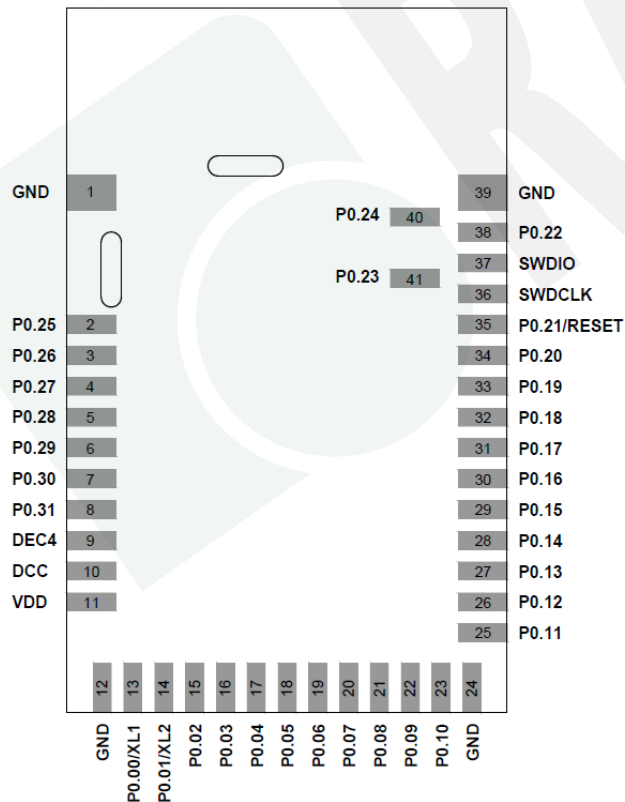
3. *Granted main regional certification such as FCC (USA), CE(EU)*

TELEC (Japan), SRRC (China), IC (Canada), NCC (Taiwan), and KC (South Korea)

• MDBT42Q-P



Top View



PCB Size (in mm)

	Min	Norm	Max
L		16	
W	-0.15	10	+0.20
H		2.2	

*** Please be careful of the amount of solder paste for P0.23 & P0.24. The module may be lifted due to excess solder. Pads for P0.23 & P0.24 can be omitted when two GPIOs were not used.**

(Unit: mm)

7.2. MDBT42Q-P Series

Test Result

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-3.87	-3.06	-2.31	-2.01	-2.04	-2.31	-2.24	-1.96	-1.61	-1.71	-1.97
Peak EIRP (dBm)	-3.87	-3.06	-2.31	-2.01	-2.04	-2.31	-2.24	-1.96	-1.61	-1.71	-1.97
Directivity (dBi)	3.79	4.00	4.25	4.17	3.86	3.51	3.54	3.91	4.39	4.44	4.49

