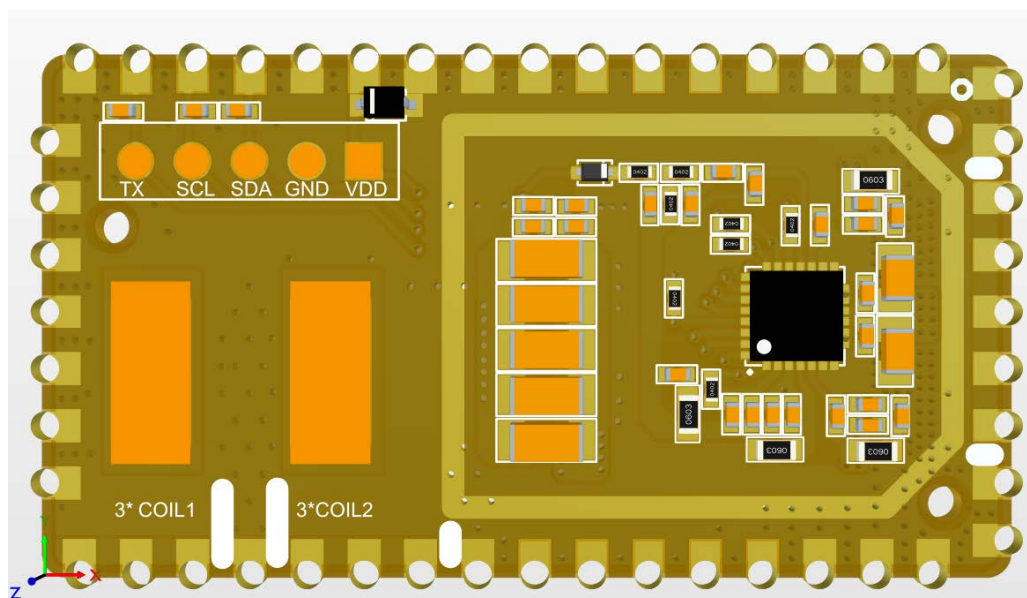


MODNVWLC

USER MANUAL



Qi wireless transmitter Module

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Patents

See www.patents.datalogic.com for patent list.

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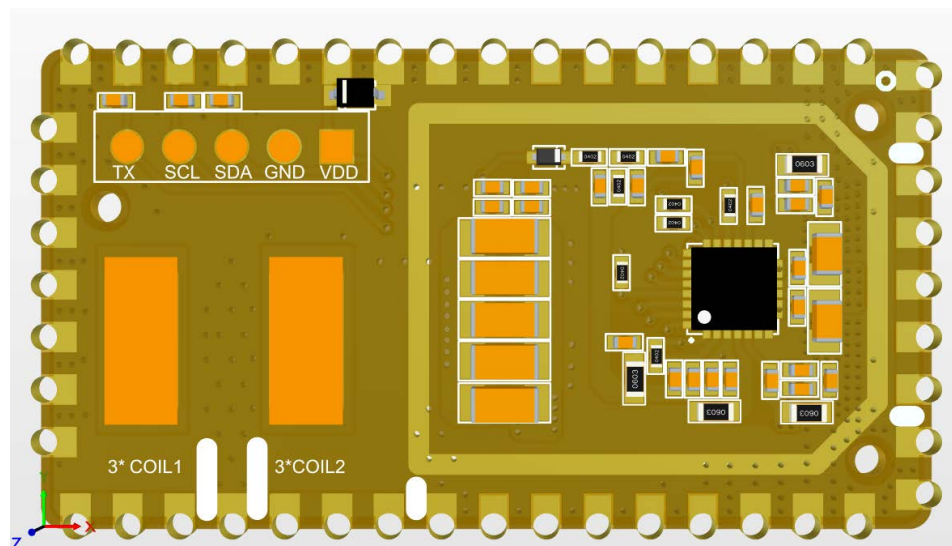
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NOTES

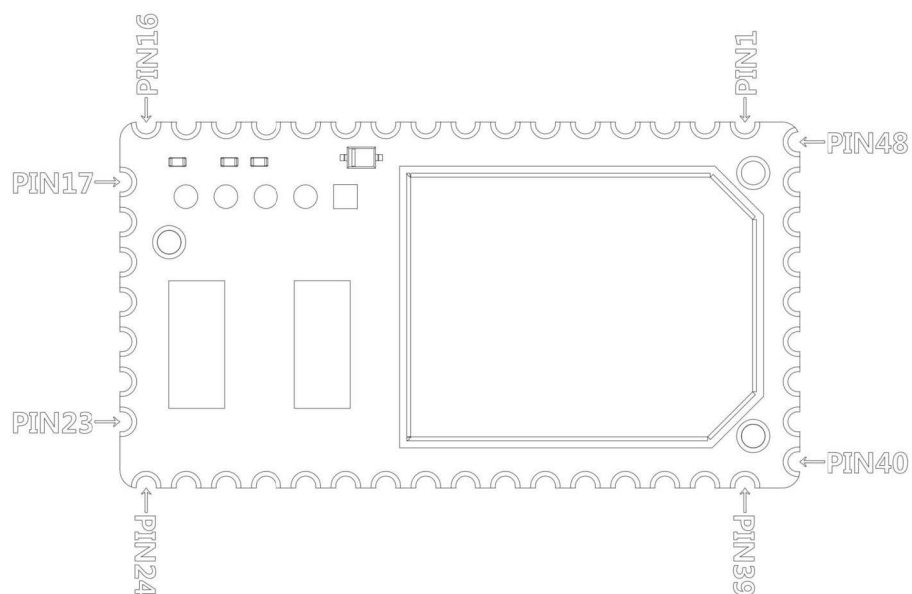
PRODUCT DESCRIPTION

Datalogic MODNVWLC module is a highly intergrade wireless module which could support EPP/BPP protocol with both DC and QC/PD input. It can support up to 15W charging power for EPP device, 5W charging for BPP RX device. EPP/BPP protocol selection by module extra GPIO (pull high or pull low).

Datalogic MODNVWLC module also has an IIC slave. Extra MCU could achieve more complex function via IIC (gather operation status and error). Also, there is a dedicated GPIO for error indication.



INTERFACE DESCRIPTION



1	GND	11	VDD	21	GND	31	GND	41	GND
2	GND	12	GND	22	GND	32	VDD5V	42	VIN
3	GND	13	SDA	23	GND	33	M_SEL	43	VIN
4	D+	14	SCL	24	COIL 1	34	GP5	44	VIN
5	D-	15	TX	25	COIL 1	35	IND	45	VIN
6	CC1	16	GND	26	COIL 1	36	TEMP	46	VIN
7	CC2	17	GND	27	GND	37	GND	47	GND
8	GND	18	GND	28	COIL 2	38	GND	48	GND
9	GND	19	GND	29	COIL 2	39	GND		
10	GND	20	GND	30	COIL 2	40	GND		

PRODUCT FEATURES

ENVIRONMENT CHARACTERISTICS

Operating Temperature and Humidity

Item	Requirements			
	MIN	TYP	MAX	Units
Operation Temperature	-10	-	+40	°C
Operation Humidity	10	-	90	%RH

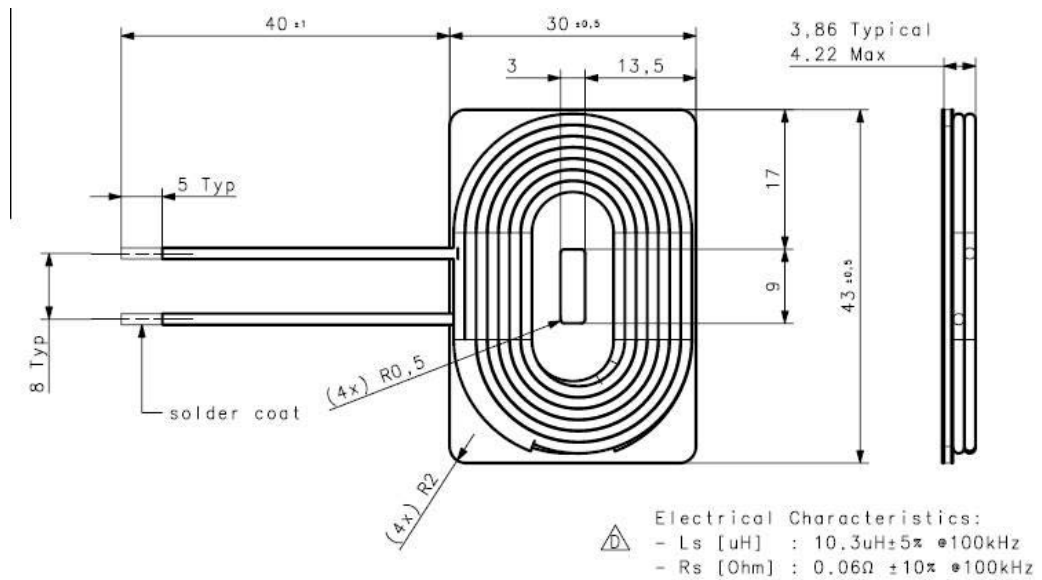
Storage Temperature and Humidity

Item	Requirements			
	MIN	TYP	MAX	Units
Storage Temperature	-20	-	+70	°C
Storage Humidity	5%	-	95	%RH

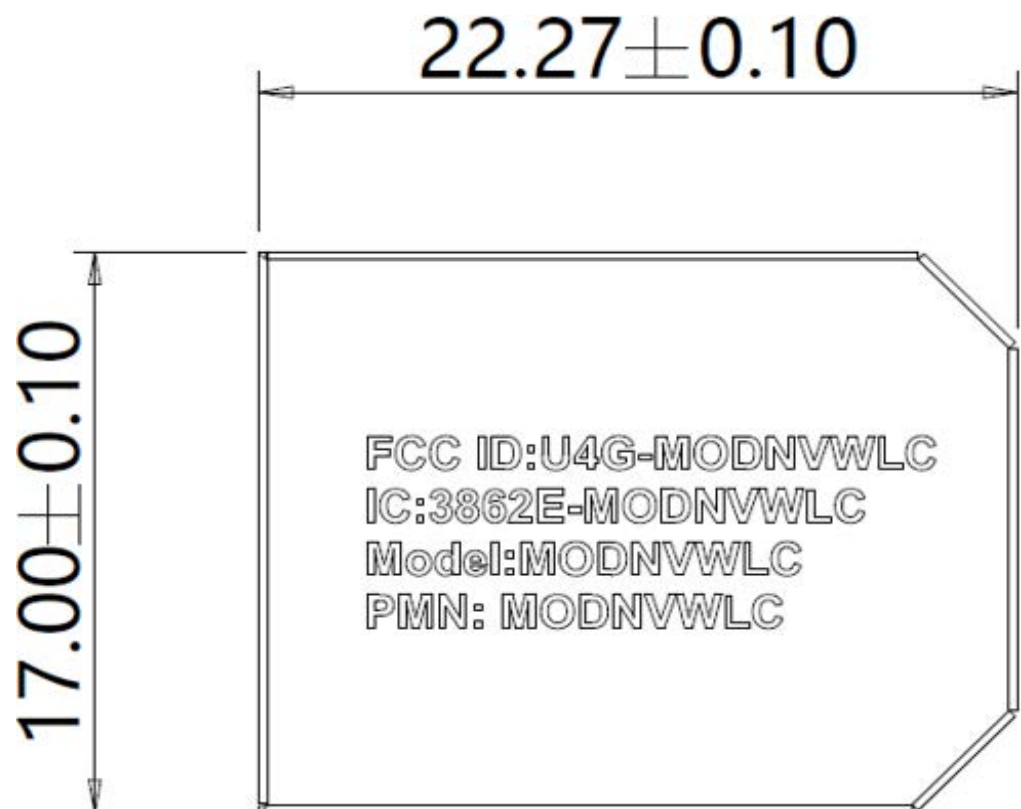
PRODUCT SPECIFICATIONS

Item	Parameter
Module Dimension	43mm*23mm*3mm
Input Power	USB PD/QC with 5V/ 9V/12V DC mode (5V /9V/12V)
Protocol	BPP / EPP
Output Power	15W MAX@EPP, 5W MAX@BPP
Efficiency	>70% (TBD)
Coil Type	Provided by customer
Protection	OVP/UVP/OCP/OTP
FOD	IEC62368
Main Chips	NU1708A
Qi Certification	Qi compatible (No Qi certification)

ANTENNA



LABEL



REGULATORY STATEMENTS

FCC STATEMENT



WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the

following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



FCC RF Radiation Exposure Statement CAUTION: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

IC STATEMENT

This device complies with RSS247 of Industry Canada. Cet appareil se conforme à RSS247 de Canada d'Industrie. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

Mobile product:

This device complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment.

Cet appareil est conforme aux limites d'exposition aux rayonnements de la FCC et de l'IC établies pour un incontrôlé environnement.

The device should be installed and operated with a minimum distance of 20cm between the radiator and your body.

L'appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

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