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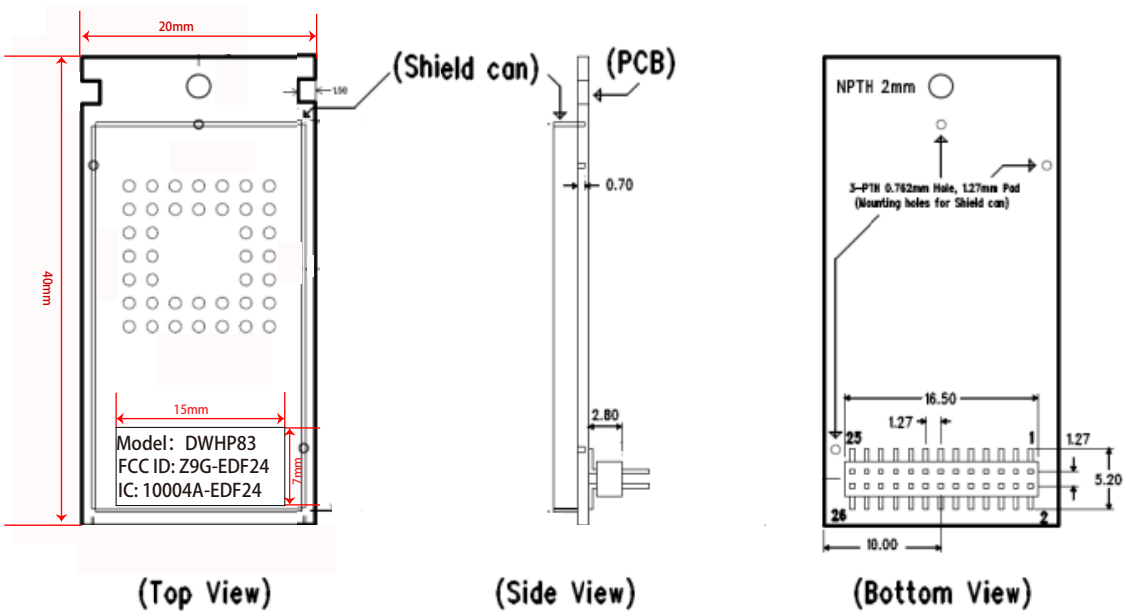
5.8G Wireless Audio Transceiver/Receiver Module DWHP83

1. Module dimensions and layout



2. Antenna info

   Brand: EDIFIER

   Antenna type: PCB

   Max Peak gain: 5.36 dBi

3. Feature:

   DARR83 Wireless Audio Processor

   5.8GHz RF Transceiver

   Embedded antennas

   Digital audio interfaces (I^2S and/or S/PDIF)

   I^2C control interface

   26 pins header connector for power, digital audio and control interface and GPIOs

   Built-in 1MB SPI interface Flash

4. How to use this module

   DWHP83 was design to embedded for SoundBar/Woofer transfer audio signal use, while user turn on the power of the Host device. (For example, SoundBar/ woofer or other mobile device), DWHP83 will pair automatically, and transfer audio signal by the radiated signal.

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1. Pin assignmen:

The device can be configured as below:

Pin	TX	RX
1	3.3V	3.3V
2	GND	GND
3	MCLK	MCLK
4	RF_Pairing _btn	AM_IFO
5	Pairing_LED	24V_ENABLE
6	INT	PAIRING_LED
7	MUTE	EN_BUF
8	Quick suspend	AMP_RST
9	DARR83_GPIO_3	I2C SDA MST
10	DARR83_GPIO_15	I2C SCL MST
11	GND	GND
12	GND	GND
13	DARR83_GPIO_24 (MON_TXD)	RF_PAIR_BTN
14	DARR83_GPIO_14	POWER_SB
15	DARR83_GPIO_16	MON_TXB
16	NC	NC
17	RF_ENABLE	RF_Reset
18	I2C SCL SLV	NC
19	I2C SDA SLV	NC
20	DARR83_GPIO_12 (Z)	DE_5V
21	DARR83_GPIO_11 (X)	DEV_3V3
22	DARR83_GPIO_10_LRCK	DAO1_LRCLK_RF
23	GND	GND
24	DARR83_GPIO_8_SCLK	DAO1_SCLK_RF
25	DARR83_SR_RF (Y)	DAO1_SR_RF
26	DARR83_SUB_MIX (W)	DAO1_SUB_MIX_RF

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Federal Communication Commission Interference Statement

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated

with minimum distance 20cm between the radiator & your body.

This device is restricted to indoor use when operated in the 5.725 to 5.875GHz frequency range.

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: Z9G-EDF24 ".

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.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio
exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne
doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage
radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Please notice that if the IC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: “Contains IC: 10004A-EDF24” any similar wording that expresses the same meaning may be used.

The module is limited to OEM installation ONLY.

The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install module.

The module is limited to installation in mobile application;

A separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and difference antenna configurations.

There is requirement that the grantee provide guidance to the host manufacturer for compliance with Part 15B requirements.