

◆ **APPLICATION & FEATURES:**

2.4GHz A/V Module uses FM modulation technology to provide ISM band wireless audio and video connection. Multi channels are specially designed to enhance the function of automatic channel switching as well as digital PLL and uP Technology.

● **The major applications can be the followings:**

Wireless Audio/Video Sender.

Wireless Security System.

● **The features are:**

Compact Size & Low Cost (module include all baseband circuit).

Provide High Quality Video and Stereo Audio Transmission.

Multi Channel (enhance channel for special purpose application).

ELECTRICAL SPECIFICATION:

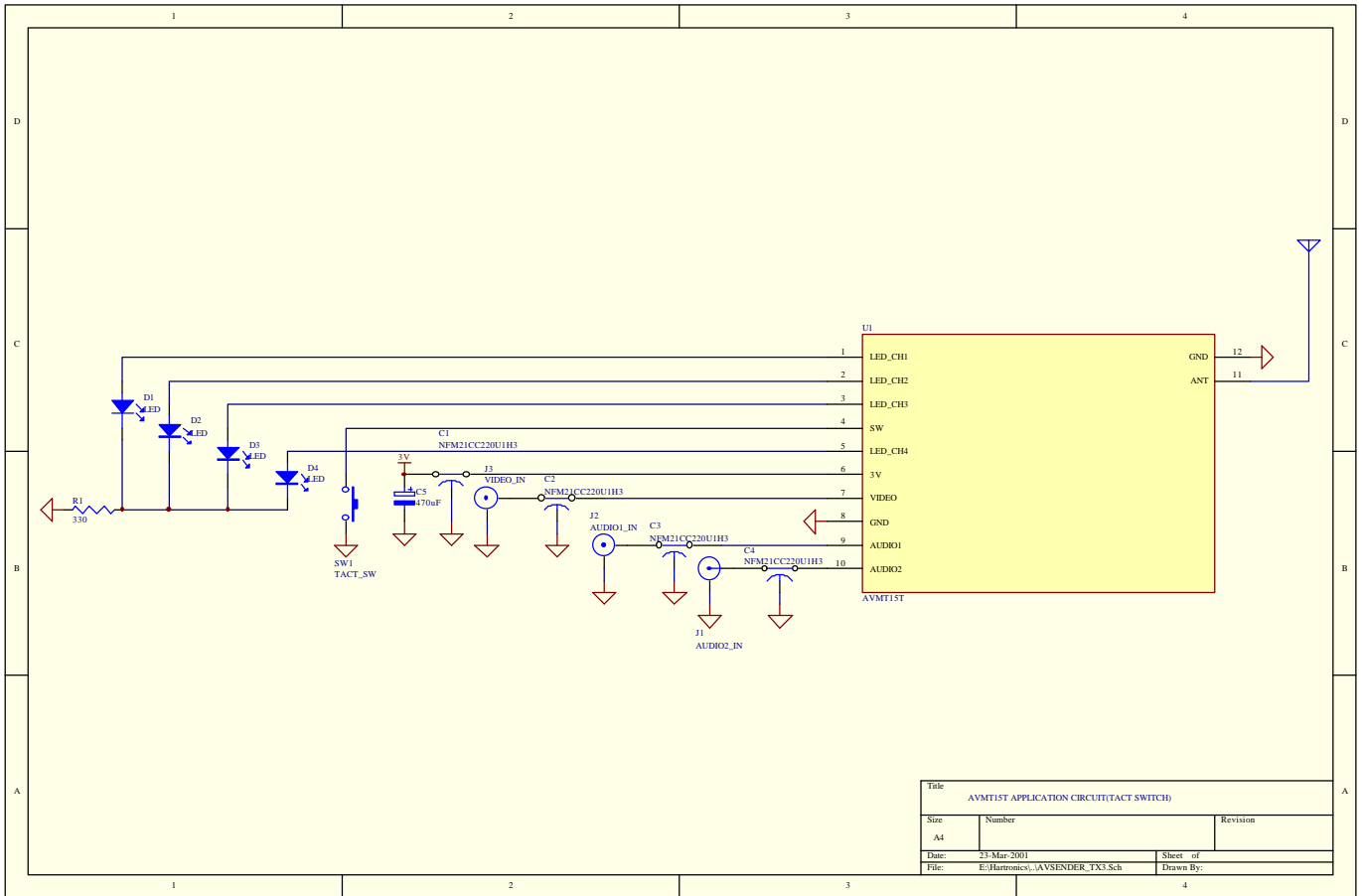
TX MODULE: AVMT15T/D

ITEM	SPEC	REMARK
Frequency	2400MHz ~ 2483MHz	
Tx Power	1dBm	Typical
Channel Number	4	2410,2430,2450,2470MHz
Frequency Stability	±100KHz	Typical
Video Input Level	1Vp-p	Typical
Audio Input Level	1Vrms	Typical
Supply Voltage	3.3V	+/- 0.05V
Current Consumption	50mA	Typical
Antenna Port	Half Pitch Pin Header	1.27mm Pitch
Baseband Interface	Half Pitch Pin Header	1.27mm Pitch
Dimension (mm)	44Wx17Dx6H	Unit is mm
Operating Temperature	10 ~ 50 ° C	

RX MODULE: AVMR9T/D

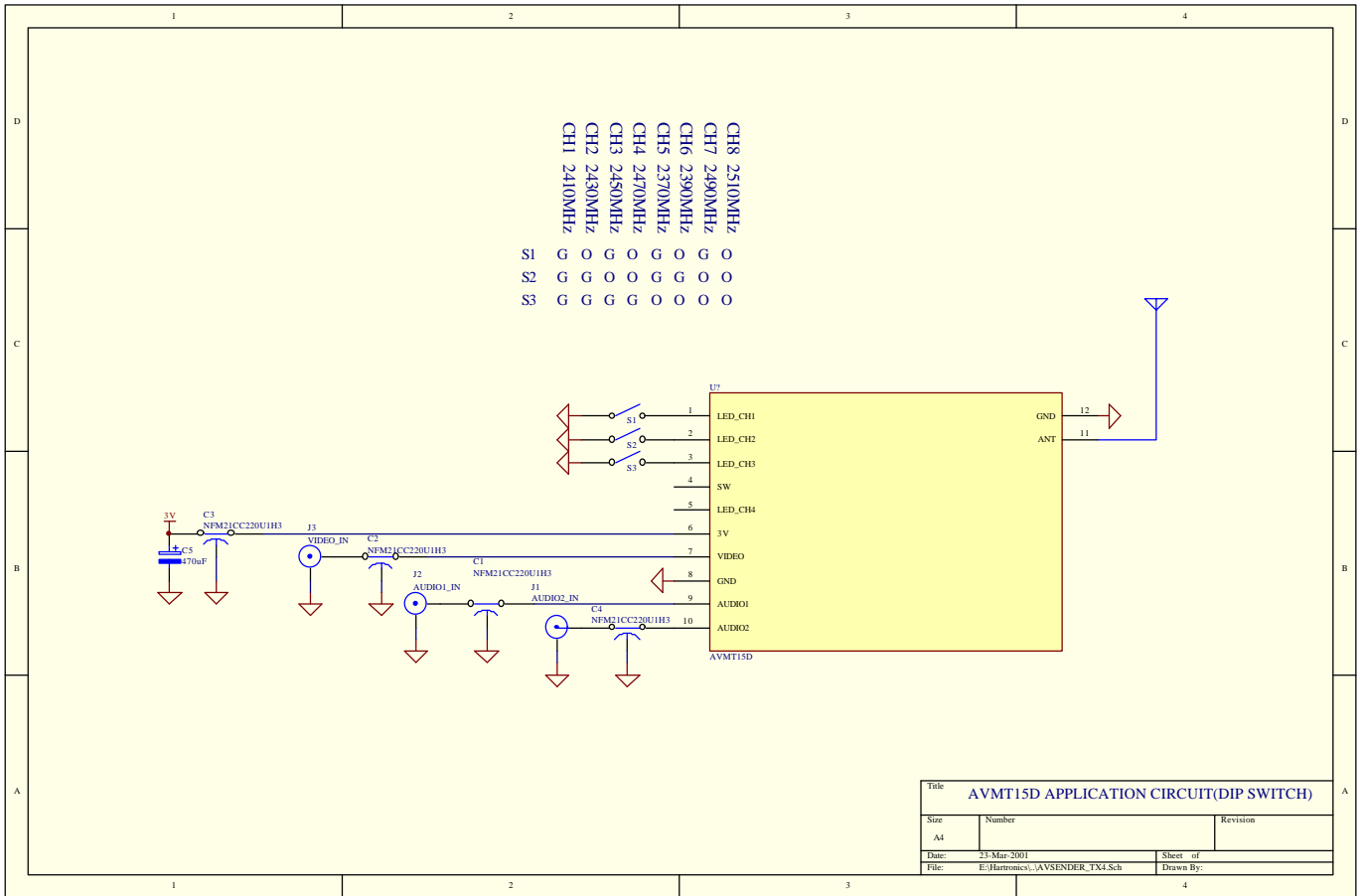
ITEM	SPEC	REMARK
Frequency	2400MHz ~ 2483MHz	
Rx Sensitivity	-90dBm	Typical
Channel Number	4	2410,2430,2450,2470MHz
Lo Stability	±100KHz	Typical
Video Output Level	1Vp-p +/- 0.1V	Typical
Video Differential Phase	10 °	Typical
Video Differential Gain	5%	Typical
Audio Output Level	1Vrms	Typical
Audio SNR	50dB	Typical
Supply Voltage	5V	+/- 0.05V
Current Consumption	150mA	Typical
Antenna Port	Half Pitch Pin Header	1.27mm Pitch
Baseband Interface	Half Pitch Pin Header	1.27mm Pitch
Dimension	40Wx32Dx6H	Unit is mm
Operating Temperature	10 ~ 50 ° C	

AVMT15T APPLICATION CIRCUIT (TACT SWITCH)



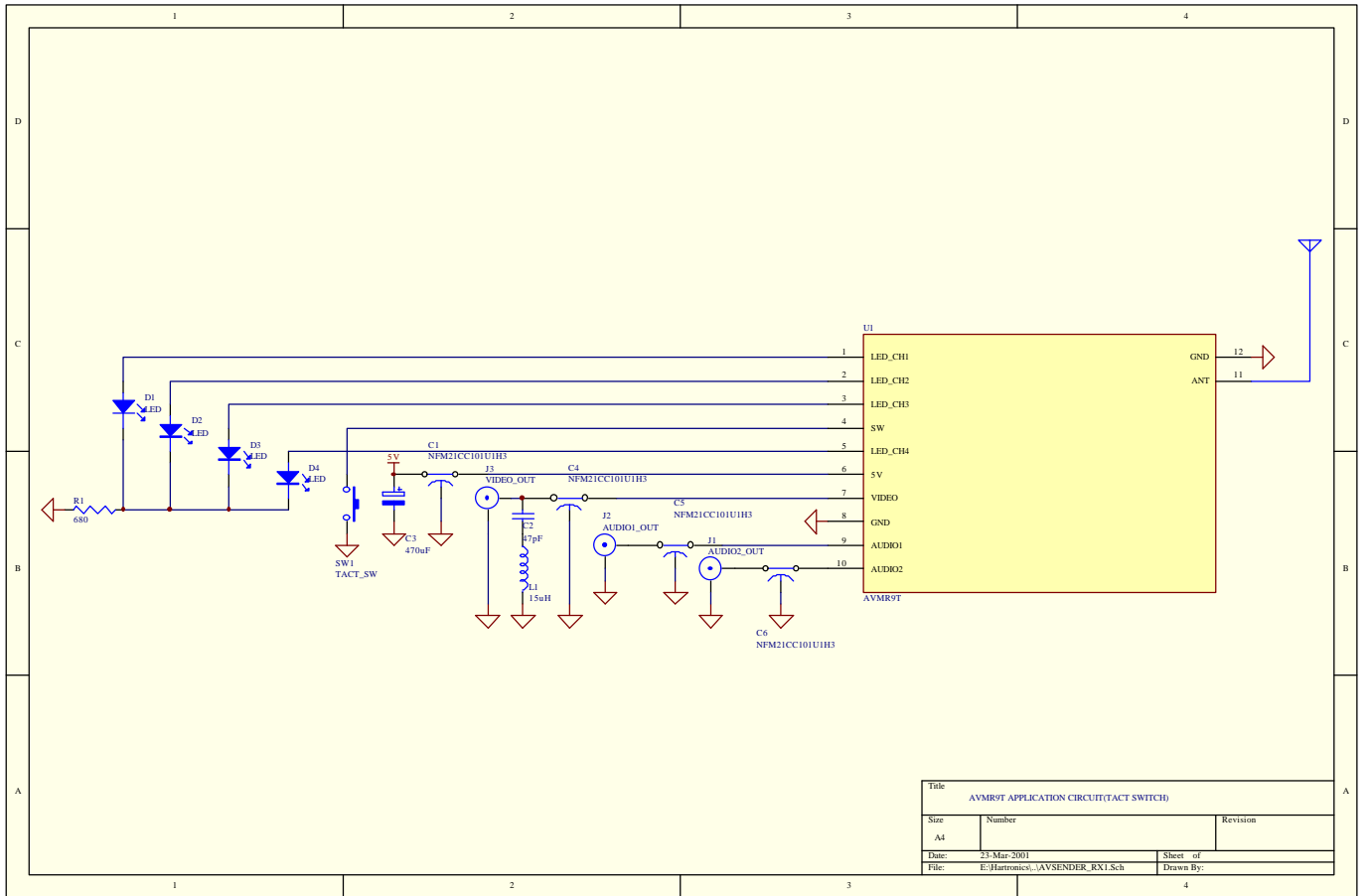
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AVMT15D APPLICATION CIRCUIT (DIP SWITCH)



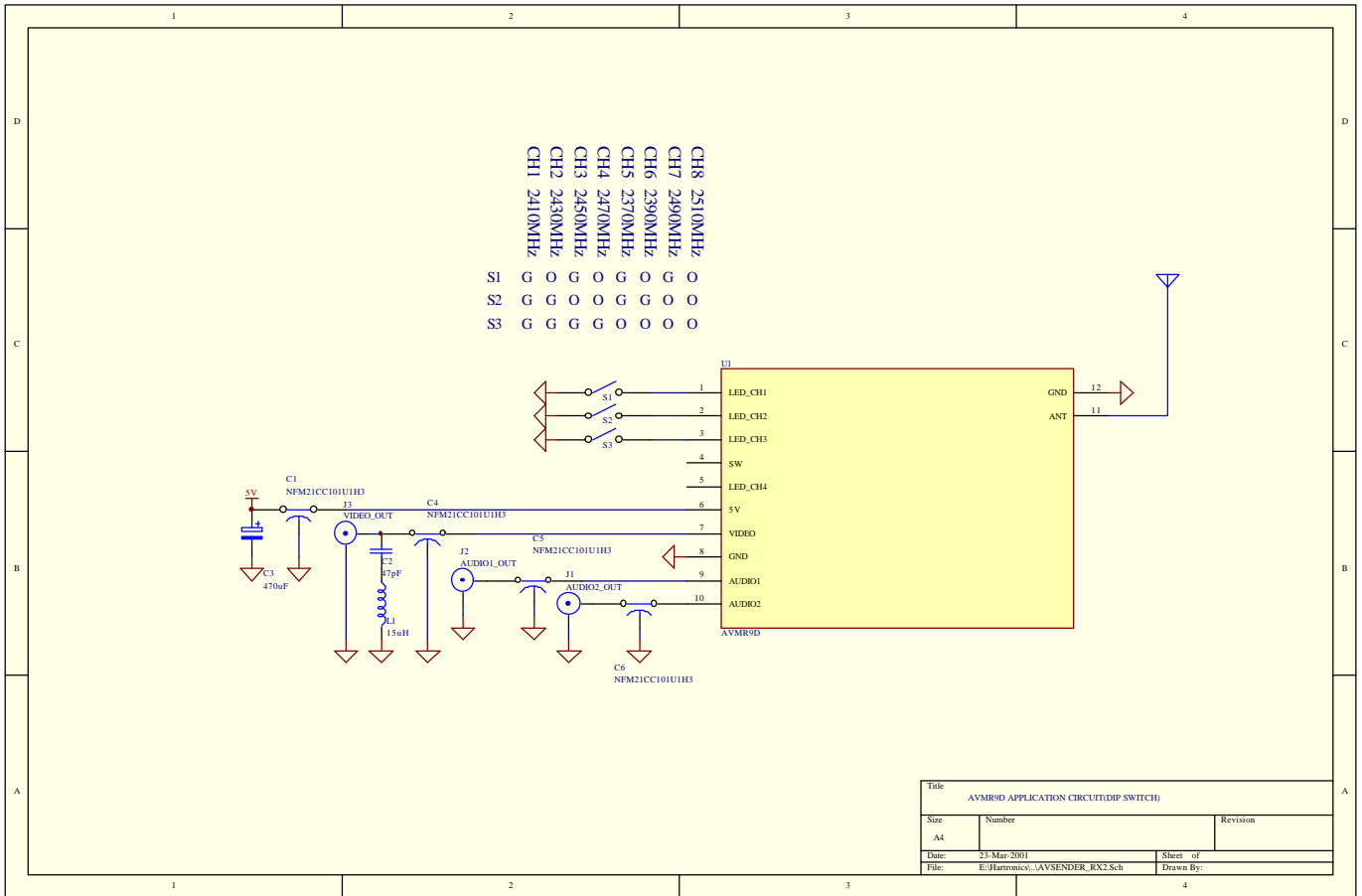
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AVMR9T APPLICATION CIRCUIT (TACT SWITCH)



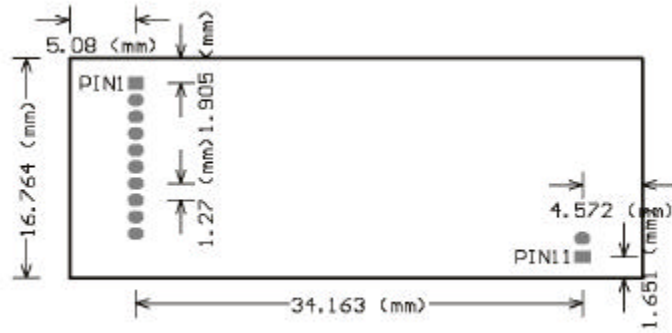
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AVMR9D APPLICATION CIRCUIT (DIP SWITCH)



Title		
AVMR9D APPLICATION CIRCUIT(DIP SWITCH)		
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A4		
Date:	23-Mar-2001	Sheet of
File:	E:\Hartnoco\AVSENDER_RK2.Sch	Drawn By:

AVMT15 FOOTPRINT & DIMENSION(TOP VIEW):



AVMR9 FOOTPRINT & DIMENSION(TOP VIEW):

