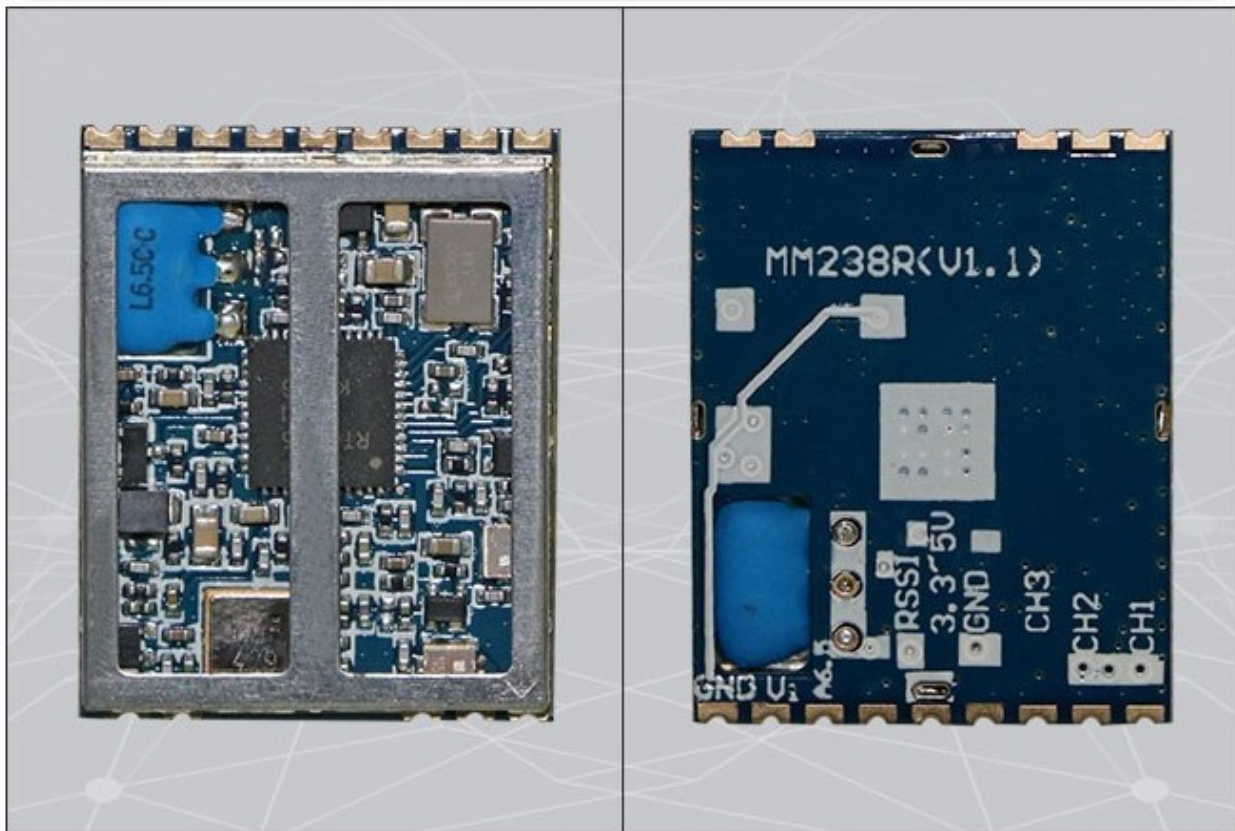


Quick Details

Brand Name: SFT
Model Number: MM238R-MCU/MM238R
Place of Origin: China
Product name: FPV 5.8GHz video receiver
Current: 190mA
Voltage: +3.3~+5.5V
Receiving Sensitivity: -90dBm
Channel: 24 CH. or SPI
Modulation: FM/PLL
Certificate: FCC CE ROHS

5.8GHz wireless receiver 16ch -90dBm FPV 5.8GHz video receiver



◆ **SPI Model: Channels are set by Customer firmware**

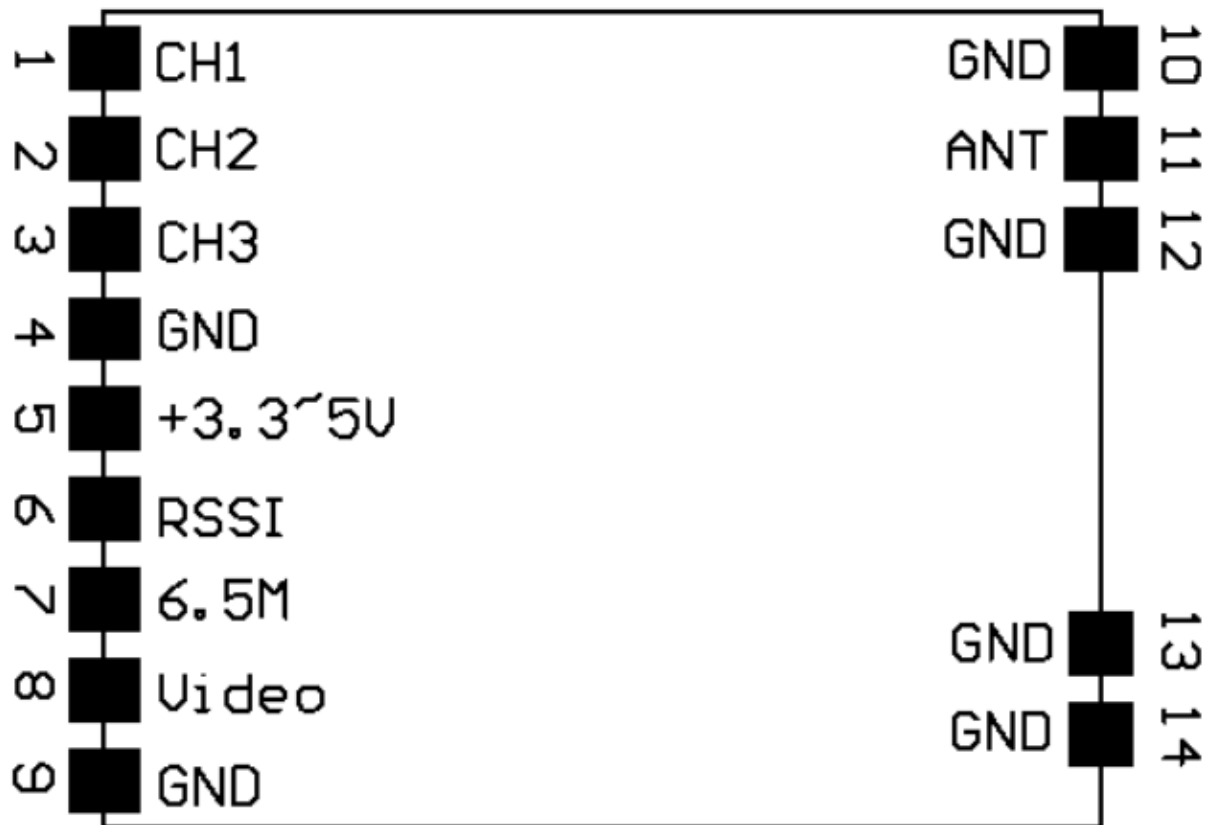
◆ **Parameters of FPV 5.8GHz video receiver**

DC Characteristics	
POWER SUPPLY	+3.3~5.0V

Current Consumption	190mA , Max
Environmental Specification	
Operating Temperature	-10~+65 °C
Storing Temperature	-30~+85 °C
Operating humidity	85%RH
RF	
Receiving frequency range	5645 ~ 5945MHz'
Voltage Standing Wave Ratio	2:01
Demodulation system	FM/PLL
IF	480MHz
ANT. input impedance	50Ω, Typ.
LO Frequency stabilization	±100kHz
LO Frequency Precision	±100kHz
LO Control	PLL
Input LO Leak	-55dBm
Receiving Sensitivity	-90dBm
Input Level Range	-90 dBm ~+5 dBm
Video Characteristics	
Video Output impedance	75Ω, Typ.
Video Output Level	1±0.2Vp-p
Video Polarity	NEGATIVE
Video Frequency Response	±5 dB, Max. 50Hz ~ 6MHz
Differential Gain	±5 %, Max
Differential Phase	±5 Deg., Max
3Db IF WIDEBAND	16.5MHz
S/N	38dB, Min
RSSI Output Voltage(-30dBm~-90dBm)	0.7~2.2V
Audio	

Audio Output impedance	2K Ω , Typ.
Audio Output Level	1 \pm 0.2Vp-p, Typ.
Audio Output Frequency Range	100Hz ~ 20kHz
Audio carrier	6.5MHz(AL)
Audio carrier precision	\pm 30kHz
S/N(50Hz ~ 15kHz)	50dB, Min
THD: (50Hz ~ 15kHz, 3 Vp-p Sine wave)	1.5 %, Max

◆ Pin Assignment



◆ Channel Table

24 channels version:

(1) 5725, 5745, 5765, 5785, 5805, 5825, 5845, 5865MHz

(2) 5733, 5752, 5771, 5790, 5809, 5828, 5847, 5866MHz
(3) 5705, 5685, 5665, 5645, 5885, 5905, 5925, 5945MHz

SPI Version: Channels are written by Customer

◆ **Dimension of FPV 5.8GHz video receiver**

