

# CC1111F16RSPR

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## **CC1111F16RSPR Information**

	Part Number	CC1111F16RSPR	
	Manufacturer	Texas Instruments	
www.barters.com	Category	RF/IF and RFID RF Transceiver ICs	
	Description	IC RF TXRX+MCU ISM<1GHZ 36-VFQFN	
CC0. 55	Package	36-VFQFN Exposed Pad	
		For the pricing/inventory/lead time, please contact	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



# **CC1111F16RSPR** Specifications

Manufacturer Part NumberCC1111F16RSPRManufacturerTexas InstrumentsCategoryRF/IF and RFIDRF Transceiver ICsPackage36-VFQFN Exposed PadSeries-TypeTxR + MCURF Family/StandardGeneral ISM < IGHZProtocol-Modulation2FSK, ASK, GFSK, MSK, OOKFrequency300MHz ~ 348MHz, 391MHz ~ 464MHz, 782MHz ~ 928MHzPower - Output10dBmSensitivity-112dBmMemory Size16k Flash, 2kB SRAMSerial Interfaces12, USART, USBGPIO9Voltage - Supply3 V ~ 3.6 VCurrent - Receiving18mA ~ 36.2mAOperating Temperature0°C ~ 8°CPackage / Case36-VFQFN Exposed Pad				
CategoryRF/F and RFIDRF Transceiver ICsPackage36-VFQFN Exposed PadSeries-TypeTxRx + MCURF Fanily/StandardGeneral ISM < 1GHz	Manufacturer Part Number	CC1111F16RSPR		
RF Transceiver ICsPackage36-VFQFN Exposed PadSeries-TypeTxRx + MCURF Family/StandardGeneral ISM < 1GHz	Manufacturer	Texas Instruments		
Package36-VFQFN Exposed PadSeries-TypeTxRx + MCURF Family/StandardGeneral ISM < 1GHz	Category	RF/IF and RFID		
Series-TypeTxRx + MCURF Family/StandardGeneral ISM < 1GHz		RF Transceiver ICs		
TypeTxRx + MCURF Family/StandardGeneral ISM < 1GHz	Package	36-VFQFN Exposed Pad		
RF       General ISM < 1GHz         Protocol       -         Modulation       2FSK, ASK, GFSK, MSK, OOK         Frequency       300MHz ~ 348MHz, 391MHz ~ 464MHz, 782MHz ~ 928MHz         Data Rate (Max)       500kBaud         Power - Output       10dBm         Sensitivity       -112dBm         Memory Size       16kB Flash, 2kB SRAM         Serial Interfaces       I2S, USART, USB         GPIO       9         Voltage - Supply       3 V ~ 3.6 V         Current - Receiving       16.2mA ~ 21.5mA         Operating Temperature       0°C ~ 85°C	Series	-		
Protocol-Modulation2FSK, ASK, GFSK, MSK, OOKFrequency300MHz ~ 348MHz, 391MHz ~ 464MHz, 782MHz ~ 928MHzData Rate (Max)500kBaudPower - Output10dBmSensitivity-112dBmMemory Size16kB Flash, 2kB SRAMSerial Interfaces12S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving162mA ~ 21.5mAOperating Temperature0°C ~ 85°C	Туре	TxRx + MCU		
Modulation       2FSK, ASK, GFSK, MSK, OOK         Frequency       300MHz ~ 348MHz, 391MHz ~ 464MHz, 782MHz ~ 928MHz         Data Rate (Max)       500kBaud         Power - Output       10dBm         Sensitivity       -112dBm         Memory Size       16kB Flash, 2kB SRAM         Serial Interfaces       I2S, USART, USB         GPIO       19         Voltage - Supply       3 V ~ 3.6 V         Current - Receiving       16.2mA ~ 21.5mA         Operating Temperature       0°C ~ 85°C	RF Family/Standard	General ISM < 1GHz		
Frequency300MHz ~ 348MHz, 391MHz ~ 464MHz, 782MHz ~ 928MHzData Rate (Max)500kBaudPower - Output10dBmSensitivity-112dBmMemory Size16kB Flash, 2kB SRAMSerial Interfaces12S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mAOperating Temperature0°C ~ 85°C	Protocol	-		
Data Rate (Max)500kBaudPower - Output10dBmSensitivity-112dBmMemory Size16kB Flash, 2kB SRAMSerial InterfacesI2S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Modulation	2FSK, ASK, GFSK, MSK, OOK		
Power - Output10dBmSensitivity-112dBmMemory Size16kB Flash, 2kB SRAMSerial InterfacesI2S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Frequency	300MHz ~ 348MHz, 391MHz ~ 464MHz, 782MHz ~ 928MHz		
Sensitivity-112dBmMemory Size16kB Flash, 2kB SRAMSerial InterfacesI2S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Data Rate (Max)	500kBaud		
Memory Size16kB Flash, 2kB SRAMSerial InterfacesI2S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Power - Output	10dBm		
Serial InterfacesI2S, USART, USBGPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Sensitivity	-112dBm		
GPIO19Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Memory Size	16kB Flash, 2kB SRAM		
Voltage - Supply3 V ~ 3.6 VCurrent - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Serial Interfaces	I2S, USART, USB		
Current - Receiving16.2mA ~ 21.5mACurrent - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	GPIO	19		
Current - Transmitting18mA ~ 36.2mAOperating Temperature0°C ~ 85°C	Voltage - Supply	3 V ~ 3.6 V		
Operating Temperature $0^{\circ}C \sim 85^{\circ}C$	Current - Receiving	16.2mA ~ 21.5mA		
	Current - Transmitting	18mA ~ 36.2mA		
Package / Case 36-VFQFN Exposed Pad	Operating Temperature	$0^{\circ}$ C ~ $85^{\circ}$ C		
	Package / Case	36-VFQFN Exposed Pad		
Report err			Report errors?	

#### **CC1111F16RSPR** Guarantees



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### **CC1111F16RSPR Payment Methods**





If you have any question about CC1111F16RSPR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com