

## **F8Z065-Transceiver**



## **F8Z065-Tx Photo**

**Model number :F8Z065-Tx**

# **F8Z065-Transceiver**

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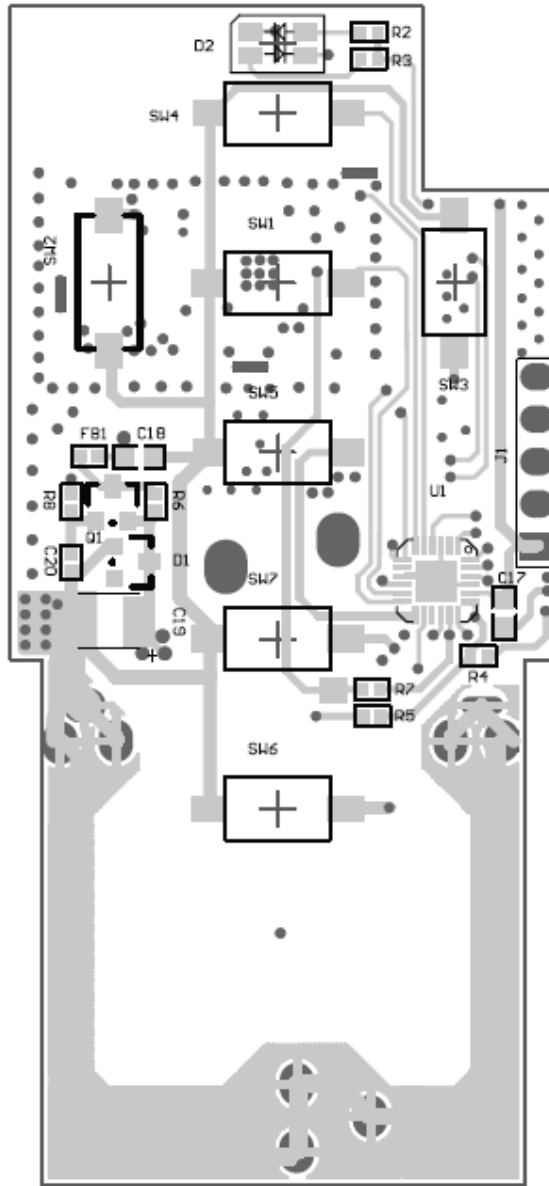
**Date of preparation: 2006/3/29**

**Product Name: F8Z065-Tx**

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# F8Z065-Transceiver

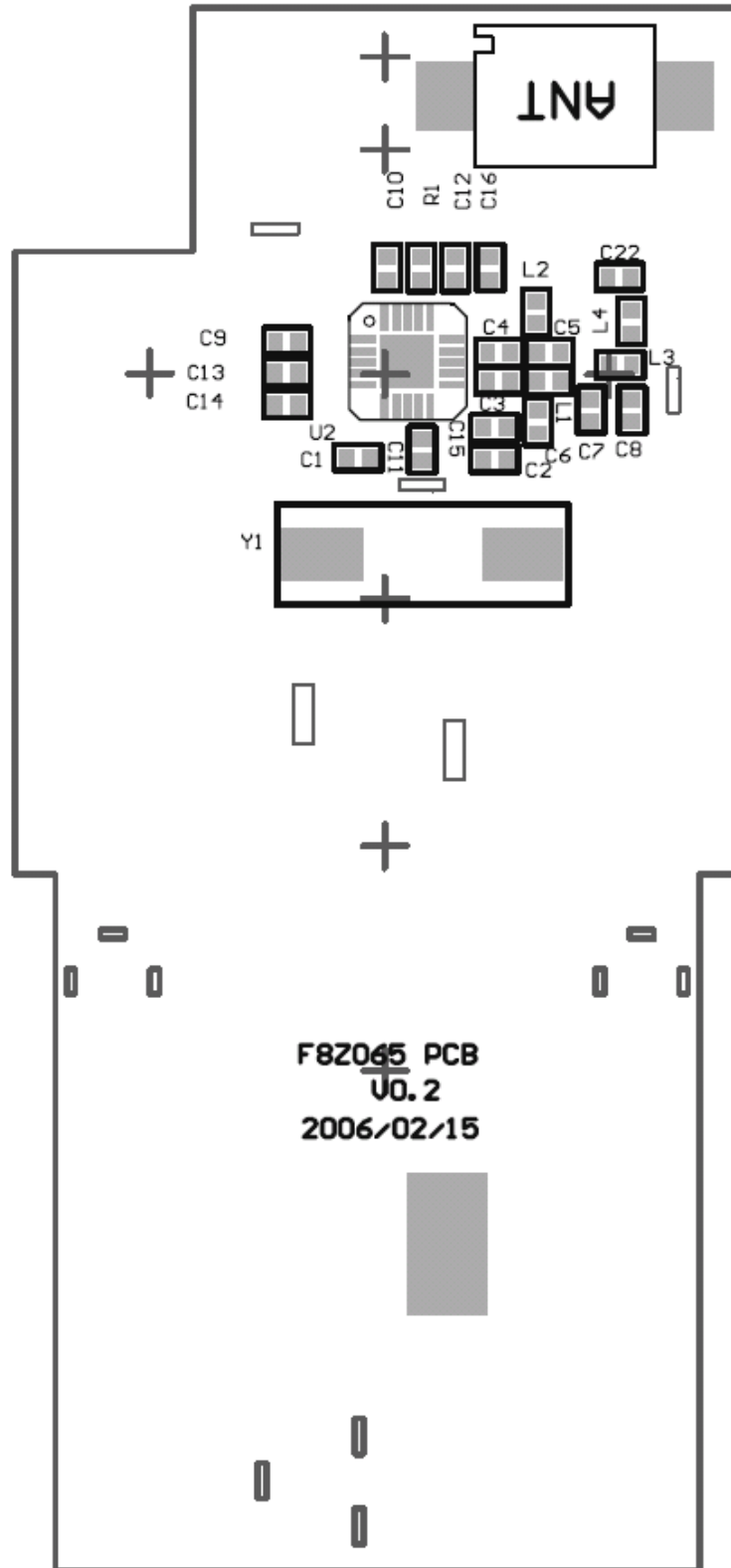
## F8Z065-Tx TOP Layout



toplayer  
Top overlay

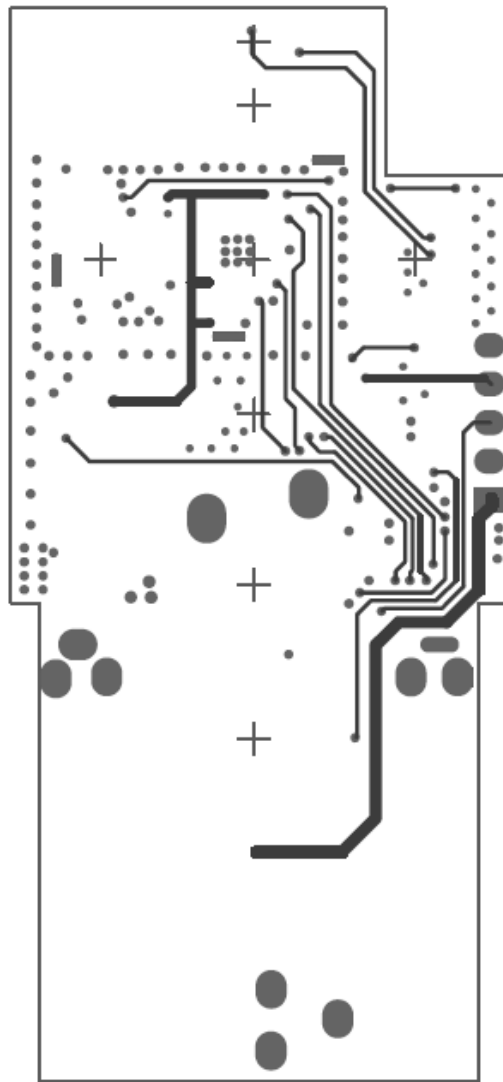
# F8Z065-Transceiver

## F8Z065-Tx BOTTOM Layout



# F8Z065-Transceiver

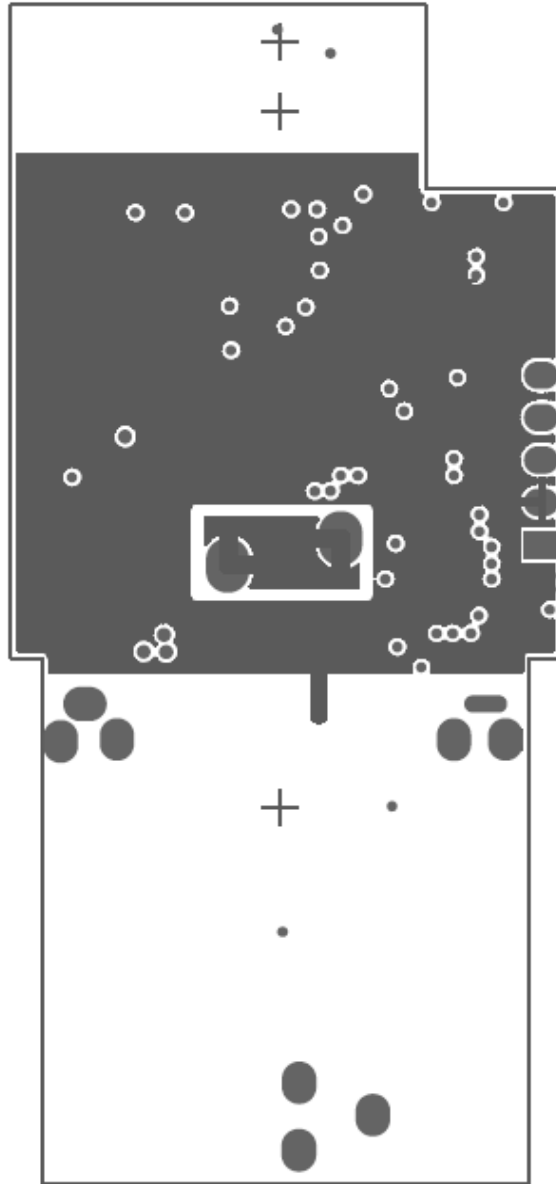
F8Z065-Tx Middle layer1



mid1layer

# F8Z065-Transceiver

F8Z065-Tx Middle layer2

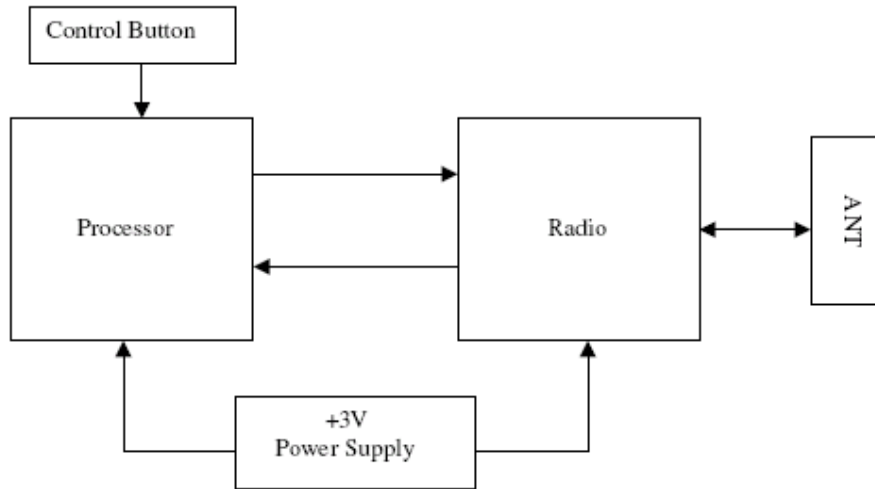


mid2layer



# F8Z065-Transceiver

## F8Z065(Tx) Block diagram





# F8Z065-Transceiver

## 1. Temperature Cycle test

Chamber temperature is set for -20° C. to +45° C. Each temperature extreme is held for one hour before transitioning to the other extreme. The units are powered under normal real-world conditions and electrically loaded while in this chamber. Total times in the chamber is 32 hours.

## 2. High temperature storage test

Chamber temperature is set for +60°C, then put the unit into chamber for 48H.

## 3. Burn IN Test (bare unit)

Conditions and electrically while in this burn in The burn in room is set for 40°C~45°C, the unit be powered under normal real-world room. Total testing time in the chamber keeps

## 4. Printed/Coated reliability Test

Using the alcohol to wipe the surface screen of unit, the force about 300g. Then using the 3M tape to stick the screen for 3 times in same location.

## 5. Button / Switch Life Test (bare unit)

Using a special test jig to push the button or switch for 5000 times, then check the button if in condition & requirements still.

## 6. Hi-Low Temperature Storage (Packing unit)

Chamber is set for 55°C, then put packing unit into chamber for 48H. Chamber is set for 40°C, 40°C 90% for 48H.

## 7. Drop Test (Packing unit)

Drop the packing unit from a height of 120cm onto concrete.

## 8. Vibration Test (Packing unit)

Put the packing unit on vibration equipment, then set the testing parameter for equipment. (The test duration is 30 minutes. All three

## 9. Emission Frequency Test

20°C~40°C~10°C~5°C~0°C~-10°C~-20°C, changing one time in one hour, total 13H.

# F8Z065-Transceiver

## F8Z065-Tx Product specification

### B. Transmitter section

ITEM	DESCRIPTION	UNIT	Normal	Limit
1	RF CARRIER FREQUENCY	MHz	2433	+/-1
2	RF Power output (Direct test )	dBm	-18.7	+/-3
3	Current Drain at diagnostics model	mA	23.76	+/-3
	Current Drain when OFF state (sleep model)	uA	3	<=5
4	Field distance test (Tx&Rx)	feet	>170	>120

## **F8Z065-Transceiver**

- I Regulator Approval**
  - US shipment : FCC
  - Europe shipment : CE
  - Australia shipment : C-tick
  
- I BOM**
  - Please refer to attached document.
  
- I Exploded View**
  - Please refer to attached document.