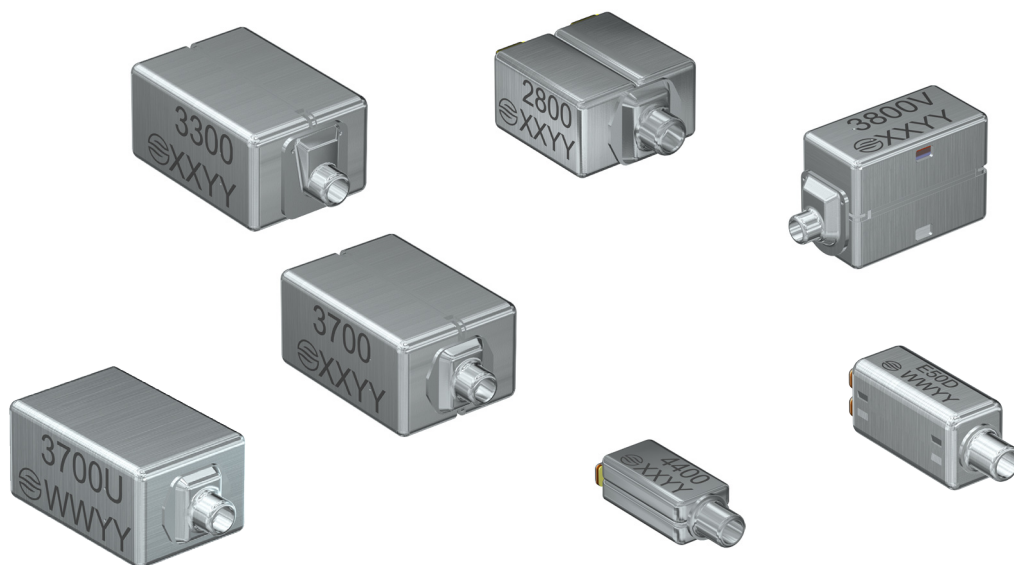


# Application Note



## Wiring of Dual Receivers

The purpose of this Application Note is to achieve optimal handling and processing when wiring dual receivers.

### Contents

Sonion 4000 family .....	2
Sonion E-series family .....	4
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Sonion 3000 family .....	6

# Application Note

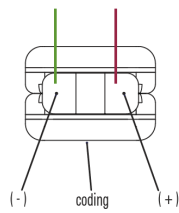
## Sonion 4400 Receiver 44Axxx



### Parallel connection

44A007

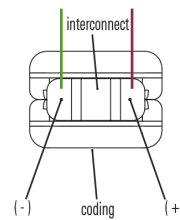
- Connect litz wires to indicated pads



### Series connection

44A015 and 44A030

- Connect litz wires to indicated pads
- Don't connect the middle pad, it is used for interconnecting both coils



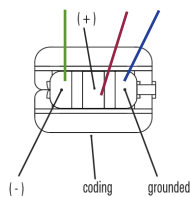
## Sonion Grounded 4400 Receiver 44AxxxG



### Parallel connection

44A007G

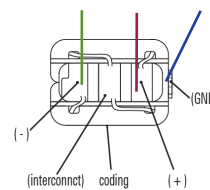
- Connect litz wires to indicated pads
- Third wire is for grounding only



### Series connected

44A030G

- Connect wires to indicated pads
- Third wire is for grounding only



# Application Note

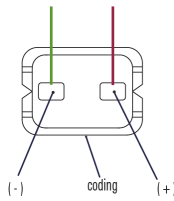
## Sonion 4400 receiver with gold print 44AxxxR



### Parallel connection

44A007R

- Connect litz wires to indicated pads



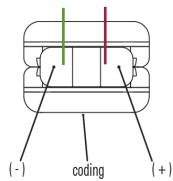
## Sonion Shielded 4400 Receiver 44Axxx/H1



### Parallel connection

44A007/H1

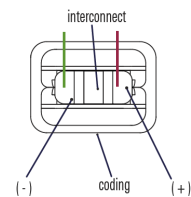
- Connect litz wires to indicated pads



### Series connection

44A030/H1

- Connect litz wires to indicated pads
- Don't connect the middle pad, it is used for interconnecting both coils



# Application Note

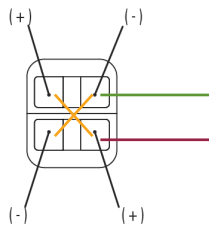
## Sonion E50D Receiver E50DAxxx



### Parallel connection

E50DA005, E50DA007 and E50DA008

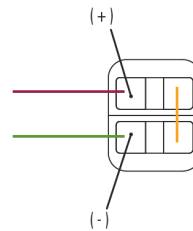
- Sonion already made interconnection
- Connect litz wires to indicated pads



### Series connection

E50DA012, E50DA020, E50DA028 and E50DA032

- Sonion already made interconnection
- Connect litz wires to indicated pads



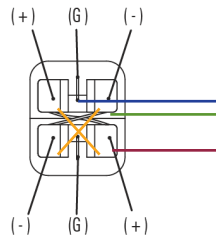
## Sonion grounded E50D receiver E50DAxxxG



### Parallel connection

E50DA005G, E50DA007G and E50DA008G

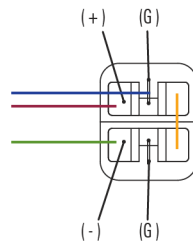
- Sonion already made interconnection
- Connect litz wires to indicated pads



### Series connection

E50DA012G, E50DA020G, E50DA028G and E50DA032G

- Sonion already made interconnection
- Connect litz wires to indicated pads



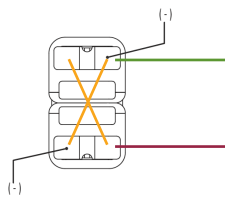
# Application Note

## Sonion 2800 Receiver 28Uxxx



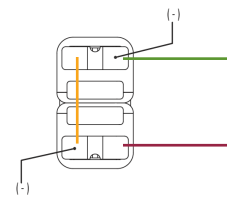
### Parallel connection

- Solder two interconnect wires
- Connect litz wires to indicated pads

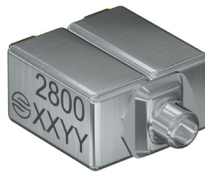


### Series connection

- Solder one interconnection wire
- Connect litz wires to indicated pads

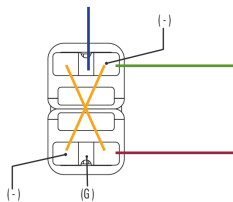


## Sonion grounded 2800 receiver 28UAxxxG



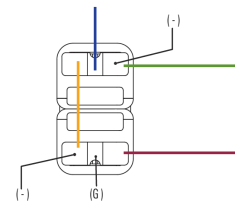
### Parallel connection

- Solder two interconnect wires
- Connect litz wires to indicated pads



### Series connection

- Solder one cross wire
- Connect litz wires to indicated pads



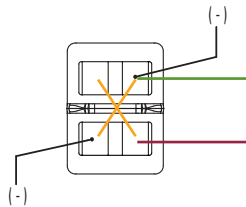
# Application Note

## Sonion 33/3700 receiver 33/37Ayxxx



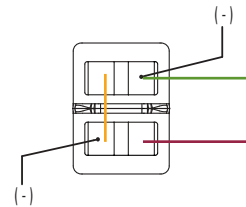
### Parallel connection

- Solder two cross wires
- Connect litz wires to indicated pads



### Series connection

- One interconnect wire
- Connect litz wires to indicated pads

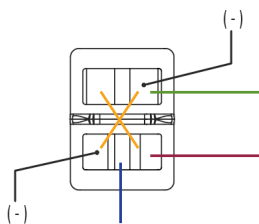


## Sonion Grounded 33/3700 Receiver 33/37AyxxxG



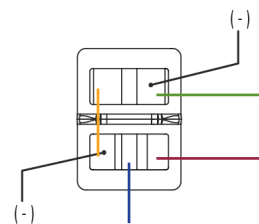
### Parallel connection

- Solder two cross wires
- Connect litz wires to indicated pads
- Third wire is for grounding only



### Series connection

- One interconnect wire
- Connect litz wires to indicated pads
- Third wire is for grounding only



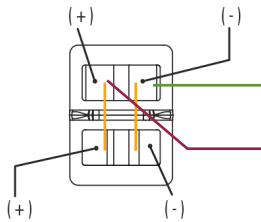
# Application Note

## Sonion reversed magnetized 33/3700 receiver 33/37AyxxxM



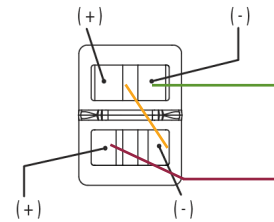
### Parallel connection

- Solder two interconnect wires
- Connect litz wires to indicated pads



### Series connection

- Solder one cross wire
- Connect litz wires to indicated pads

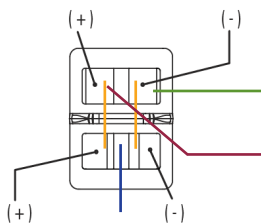


## Sonion Reversed magnetized and grounded 33/3700 Receiver 33/37AyxxxGM



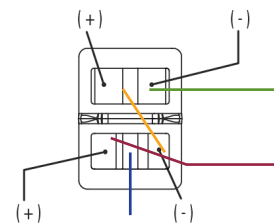
### Parallel connection

- Solder two cross wires
- Connect litz wires to indicated pads
- Third wire is for grounding only



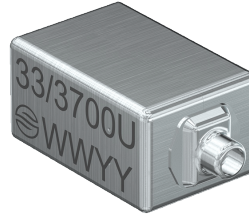
### Series connection

- One interconnect wire
- Connect litz wires to indicated pads
- Third wire is for grounding only



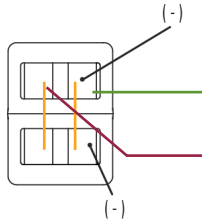
# Application Note

## Sonion Reversed magnetized 33/3700U receiver 33/37UAyxxx



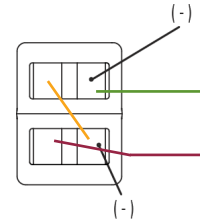
### Parallel connection

- Solder two interconnect wires
- Connect litz wires to indicated pads

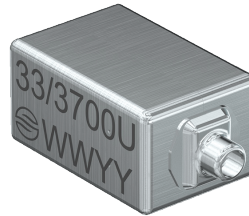


### Series connection

- Solder one cross wire
- Connect litz wires to indicated pads

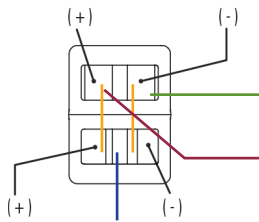


## Sonion Reversed magnetized and grounded 33/3700U receiver 33/37UAyxxxG



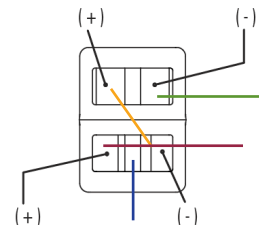
### Parallel connection

- Solder two interconnect wires
- Connect litz wires to indicated pads



### Series connection

- Solder one cross wire
- Connect litz wires to indicated pads





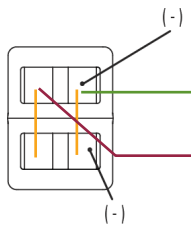
# Application Note

## Sonion Vented 3800 Receiver 38AxxxM/8a



### Parallel connection

- Solder two interconnect wires
- Connect litz wires to indicated pads



### Series connection

- Solder one cross wire
- Connect litz wires to indicated pads

