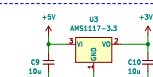
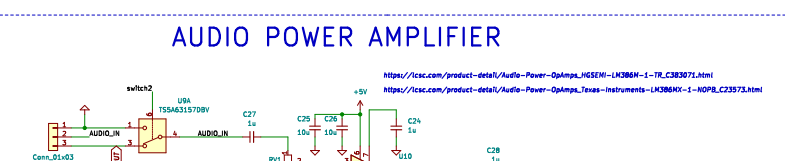


### 3V3 LDO



### AUDIO POWER AMPLIFIER



[https://csc.com/product-detail/Audio-Power-OpAmps\\_HISEMI-LM386N-1-TR\\_C383071.html](https://csc.com/product-detail/Audio-Power-OpAmps_HISEMI-LM386N-1-TR_C383071.html)

[https://csc.com/product-detail/Audio-Power-OpAmps\\_Texas-Instruments-LM386N-1-NOPB\\_C235732.html](https://csc.com/product-detail/Audio-Power-OpAmps_Texas-Instruments-LM386N-1-NOPB_C235732.html)

[https://csc.com/products/variable-Resistors-Potentiometers\\_520.html](https://csc.com/products/variable-Resistors-Potentiometers_520.html)

[https://csc.com/products/Audio-Connectors\\_550.html?keyword=audio%5C20pack](https://csc.com/products/Audio-Connectors_550.html?keyword=audio%5C20pack)


# CONTROL

## RF MODULES

The diagram illustrates the internal circuitry of two RF modules, labeled SA1B1-1 and SA1B1-2. Each module consists of an LFCN-160 filter (FL2) connected to a 750mA max current source. The circuit includes various passive components such as capacitors (C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100) and resistors (R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100). The modules are connected to a +5V supply and a 750mA max current source. The output of each module is connected to a 750mA max current source. The diagram is labeled with component values and pin numbers.


[illegible]

# MISCELANIOUS



H1 H2 H3 H4  
H1 H2 H3 H4  
F101  
F102  
F103  
F104

# AUDIO IO



5 MIC-AMP-IN  
4 MIC-EST-PT1  
3 EXT-SPEAKERS  
2 AMPLIFIED\_AUDIO\_OUT  
1 +3V3

Sheet: /  
File: cross\_band\_handy\_walkie\_talkie\_V1.kicad\_sch  
**Title: Cross band handy walkie talkie**  
Size: A2 Date: 2022-12-15  
KiCad E.D.A. kicad (6.0.9)

Sheet: /		File: cross_band_handy_waikie_talkie_V1.kicad_sch	
<b>Title: Cross band handy waikie talkie</b>			
Size: A2	Date: 2022-12-15	Rev: 1	
KiCad E.D.A.	kicad (6.0.9)	Id: 1/1	