

XLR wiring PCB

XLR cable plugged in

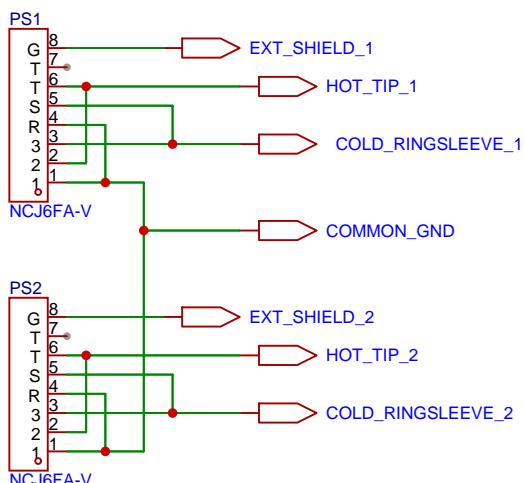
COMMON_GND pin 1: shield/ground
HOT_TIP pin 2: positive/hot
COLD_RINGSLEEVE pin 3: negative/cold

HILTON-compatible cable plugged in

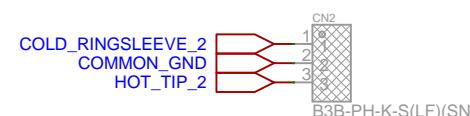
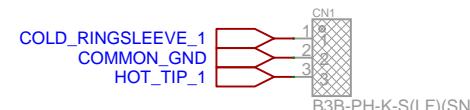
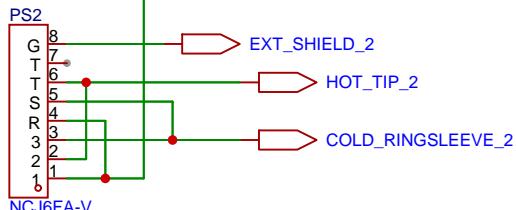
COMMON_GND/COLD_RINGSLEEVE: ground
HOT_TIP: signal

EXT_SHIELD: currently UNUSED

MIC 1



MIC 2



NOTE: Ring and Sleeve will be shorted together when a 1/4" plug from a Hilton-compatible cable is plugged in.

Therefore, an XLR cable will be balanced with HOT, COLD, and GND, and a Hilton-compatible cable will be UNbalanced with just GND and SIGNAL/HOT.

NOTE: IN NEXT VERSION, ADD AN OPTIONAL JUMPER BETWEEN EXT_SHIELD and COMMON_GND.

Schematic	Schematic1			Update Date	2025-11-02
Page				Create Date	2024-03-31
Drawn	EasyEDA			Part Number	JLCPCB-002
Reviewed	EasyEDA			XLR board	
				PAGE	1 OF 1
			VER	SIZE	
			V0.1	A4	EasyEDA.com