For two-channel mix amp with bridging, CBCA:
AMP CH1, AMP CH2, AMP CH3, and AMP CH4 are used.
AMP CH1 and AMP CH2 are not used.
AMP CH3 and AMP CH4 are not used.
For 3-way mix amp with bridging, CBCA:
AMP CH1, AMP CH2, AMP CH3, and AMP CH4 are used.
AMP CH1 and AMP CH2 are not used.
AMP CH3 and AMP CH4 are not used.

Due to the size of this document, the entire circuit diagram is not included here. However, it includes various components such as capacitors, resistors, and transistors, as well as detailed annotations for component connections and labels. The diagram is highly detailed and requires careful reading to understand all the connections and functions.