Abstract of the Disclosure

A conductive feedthrough connector for conducting electrical current through a ceramic body. A ceramic body is generally fabricated by stacking a plurality of layers of ceramic material and then sintering the stack of layers to cure the layers into a unitary, solid ceramic body. In accordance with the present invention, as each layer is positioned, a portion of the layer is silk screened with conductive material prior to the next layer being positioned atop the silk screened layer. Each silk screen region is coaxially aligned along an axis through the ceramic body. The stack of silk screened layers are then sintered to form a solid ceramic body containing the plurality of stacked metal electrodes. A first conductor is then formed vertically into the ceramic body to interconnect the embedded electrodes. From the opposite side of the ceramic body, a second conductor is formed into the surface passing through and interconnecting one or more the layers of electrodes. As such, a conductive path is formed between the first conductor on one side of the ceramic body and the second conductor on the other side of the ceramic body.

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