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**FLUID-BASED SWITCHES AND
METHODS FOR PRODUCING THE SAME**

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Abstract

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Fluid-based switches and methods for producing the same are disclosed. In one embodiment, a method for producing a switch comprises depositing a first alignment pad on a first substrate, depositing a second alignment pad on a second substrate, depositing solder on at least one of the alignment pads, depositing a switching fluid on the first substrate, and mating the first substrate to the second substrate by aligning the alignment pads and heating the solder, the substrates defining therebetween a cavity holding the switching fluid, the cavity being sized to allow movement of the switching fluid between first and second states.

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