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(54) **REDUCING PRINTED CIRCUIT BOARD
AREA FOR SINGLE-SIDED PRINTED
CIRCUIT BOARD**

(52) **U.S. Cl.**
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(57) **ABSTRACT**

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A device includes a single-sided printed circuit board with an opening and a double-sided printed circuit board. The single-sided printed circuit board includes a first and a second side and has an opening extending from the first side. The double-sided printed circuit board is arranged and affixed in the opening of the single-sided printed circuit board, and components extending from one of the sides of the double-sided printed circuit board protrude into the opening but do not protrude beyond the second surface of the single-sided printed circuit board.

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