

MODULAR JACK WITH FLEXIBLE SHORTING STRUCTURE

Abstract

A modular jack assembly which includes an outer insulative housing in which there is an interior medial wall extending from the bottom wall toward the top wall having an upper terminal edge in spaced
5 relation from the upper wall. A plurality of spaced vertical interior medial wall extensions extend upwardly from said upper edge to form a plurality of contact receiving recesses. There is also a flexible shorting bar having a first longitudinal insulative strip and a second longitudinal insulative strip. A plurality of insulative spaced parallel transverse strips
10 is interposed between the first and second longitudinal strips forming a plurality of transverse openings between the first and second longitudinal strip. The shorting bar also includes at least one conductive trace having a pair of transverse conductive legs and connecting longitudinal section. Each of the transverse conductive legs is superimposed over a separate
15 one of the transverse strips, and the longitudinal conductive section is superimposed over one of the longitudinal strips. This flexible shorting bar is superimposed over the medial interior wall of the housing such that the transverse strips are each positioned in a separate one of said contact receiving recesses. The modular jack also includes plurality of generally
20 parallel conductive contacts first extending generally from adjacent the bottom wall of the insulative housing across the second end of the housing to the top wall and then generally horizontally toward the first end of the housing. The conductive contacts then extend obliquely toward the second end of the housing such that each of said conductive
25 contacts is positioned in one of said contact receiving recesses on the interior medial wall.

Figure 1



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