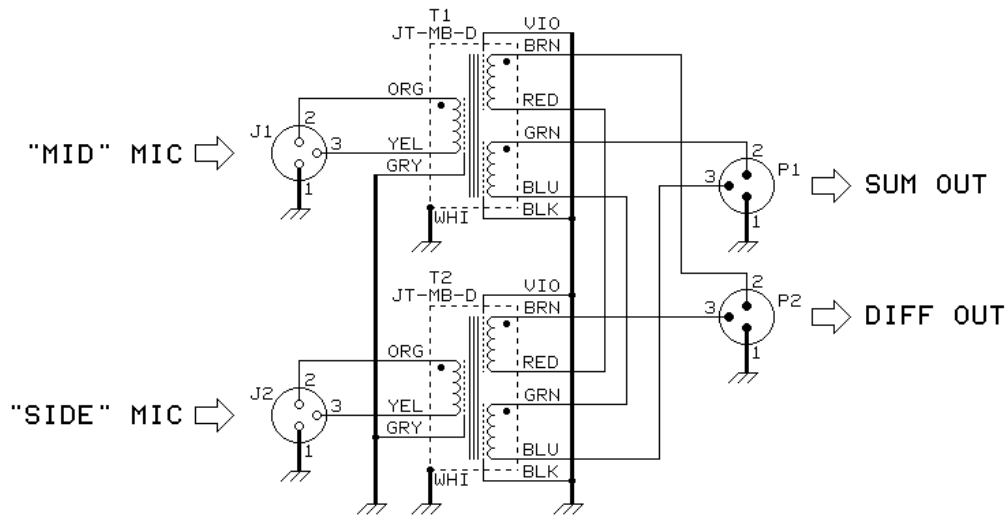


# JT-MB-D PASSIVE STEREO MATRIX FOR M-S MIC TECHNIQUE



THIS TECHNIQUE USES A "MID" MIC AIMED DIRECTLY AT THE CENTERLINE OF THE SOUND SOURCE AND A "SIDE" MIC WHICH IS ORIENTED Laterally. THE CIRCUIT ABOVE PROCESSES THEIR OUTPUTS IN A SUM AND DIFFERENCE MATRIX NETWORK, WHICH RESOLVES THEM INTO CONVENTIONAL STEREO SIGNALS. THE LEFT/RIGHT ORIENTATION IS DETERMINED BY THE DIRECTION OF THE POSITIVE LOBE OF THE "SIDE" MIC.

THE TECHNIQUE OFFERS PREDICTABLE RESULTS WHEN L AND R ARE SUMMED TO MONO AS WELL AS GREATER CONTROL OF THE STEREO IMAGE FROM THE MIXING BOARD. FOR DETAILS, SEE "M-S STEREO: A POWERFUL TECHNIQUE FOR WORKING IN STEREO" BY W.L. DOOLEY & R.D. STREICHER, JOURNAL OF THE A.E.S. OCTOBER 1982, PAGES 707-718.

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