

Expanded Spectrum Systems Time Machine Band Matrix

On-Board LO								
Band	1.8 MHz	3.5 MHz	7.0 MHz	14.0 MHz	21.0 MHz	28.0 MHz	50.0 MHz	144.0 MHz
Crystal Band	-	7.0 MHz	7.0 MHz	14.0 MHz	21.0 MHz	14.0 MHz	-	-
Quadrature Method	-	PLD	PLD	PLD	PLD	PLD	-	-
Quadrature Division	-	4	4	4	4	4	-	-
Multiplication Factor	-	X2	X4	X4	X4	X8	-	-
ICS501 S0 & S1	-	M	L	L	L	H	-	-
Multiplier Switch	-	Mid way	X4	X4	X4	X8	-	-

* External LO								
Band	1.8 MHz	3.5 MHz	7.0 MHz	14.0 MHz	21.0 MHz	28.0 MHz	50.0 MHz	144.0 MHz
External LO Band	7.2 MHz	7.0 MHz	28.0 MHz	56.0 MHz	84.0 MHz	112.0 MHz	50.0 MHz	144.0 MHz
Quadrature Method	PLD	PLD	PLD	PLD	PLD	PLD	** QUAD50	*** QUAD144
Quadrature Division	4	4	4	4	4	4	1	1

* Requires LO1 LO Daughter Board. Recommend disabling ICS501 by cutting +5V trace on PCB.

** Requires QUAD50 50 MHz Quadrature Hybrid

*** Requires QUAD144 144 MHz Quadrature Hybrid