Battenburg Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.

Everywhere 2 odd and 2 even digits form a 2x2 checkerboard pattern, a Battenburg marking is given. A checkerboard pattern is a 2x2 area of cells where the top-left and bottom-right cells are of one type and the top-right and bottom-left cells are of another type. All possible dots are marked.

2	3	9	7	1	4	8	5	6
5	8	1	9	6	3	2	4	7
6	7	4	2	8	5	1	9	3
8	9	2	4	7	1	3	6	5
7	1	5	3	9	6	4	2	8
3	4	6	8	5	2	7	1	9
4	5	7	1	3	9	6	8	2
1	6	8	5	2	7	9	3	4
9	2	3	6	4	8	5	7	1

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