



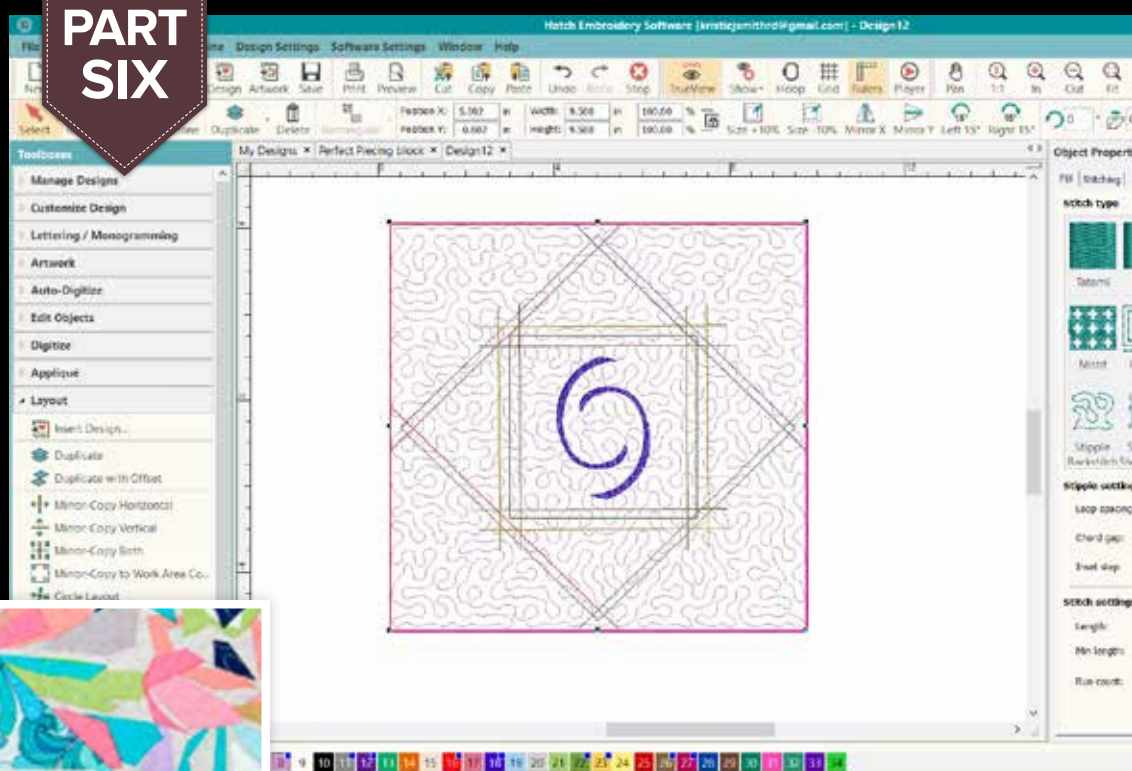
Kristie J Smith

HATCHING A QUILT

Quilting project series with Kristie J Smith

PERFECTLY PIECED BLOCK

PART SIX



BASIC OBJECTIVES AND CREATIVE OPTIONS

1. The goal is to have fun and become more familiar with **Hatch Embroidery**.
2. The **quilt blocks** in this project are all created in Hatch Embroidery and stitched completely in the embroidery hoop. Block assembly is done on the sewing machine.
3. The basic concepts learned in the lessons are **stepping-stones** to your creativity. Consider using these techniques in combination to build new quilt blocks.
4. Don't be afraid to flex your creative muscles and put your own slant on the quilt. You are the designer and Hatch Embroidery software provides **endless opportunities** to express your **imagination**.
5. Blocks are **10"/25.4cm square (9.5"/24.13cm finished)** and there are lessons for **6 different blocks in the project** (9 blocks total with duplicates in the corners). **Finished quilt project as shown is 28.5"/72.39cm × 28.5"/72.39cm.**
Note: Block size can be easily adjusted based on the size of the hoop used and additional blocks can be added to make a larger quilted project.
6. Embroidery machine tension may need to be tweaked so that upper and lower threads are balanced evenly.

SUPPLIES FOR THE ENTIRE PROJECT

Hatch Embroidery Digitizer software

Fabric for front of blocks: (white) - 1.5 yards/1.4 meters recommended or adequate fabric to cover the hoop used

Fabric for back of blocks: (print) - 1.5 yards/1.4 meters recommended or adequate fabric to cover the hoop used

Fabric for appliqué and pieced blocks: ¼ yard/0.25 meters each of 2 prints

Batting: 1.5 yards recommended or adequate fabric to cover the hoop used (enough for 9 blocks)

Sashing fabric (Print): 1/3 yard / 0.3 meters

Binding fabric: ¼ yard/0.25 meters

Mesh-type cut-away stabilizer: 1 roll, width/height to cover selected hoop

Temporary adhesive spray

Assorted embroidery thread

OPTIONAL SUPPLIES

- Appliqué scissors for removing excess stabilizer/clipping around appliquéd fabrics
- Rotary cutter/mat and acrylic rulers (12"/30.48cm square and long ruler recommended)
- Masking tape (to better secure the backing of the blocks while stitching as backs are not hooped in most blocks)
- Invisible thread (used to top stitch sashing fabrics)
- Water-soluble stabilizer: 1-2 sheets for Trapunto block

PART 6

Perfectly Pieced Block

Perfectly pieced and stitched quilt blocks can be a snap with Hatch Embroidery. With this pieced block, we are going to use the software to draw an easy sew and flip block, add embellishments, and add quilting. The perfectly pieced block was my favorite to stitch, but challenging to explain. Don't let the lengthy lesson scare you, it's a skill worth learning. Once you get the concept, you will want explore constructing numerous pieced blocks with your software. Hatch Embroidery truly does turn a challenge into a joy and creates a block that is pieced with precision with every stitch-out. This block will be repeated 4 times to serve as the corner blocks.



SUPPLIES FOR THIS BLOCK

Circle Embellishment Design

Backing fabric: Minimal 12"/304.8mm square (to be trimmed after embroidery)

Batting-1 piece large enough to cover the hoop

Stabilizer- 2 sheets to cover the hoop

Fabric for piecing (~1/4 yard each fabric + 4 square of white fabric ~5" each)

Assorted Embroidery Thread

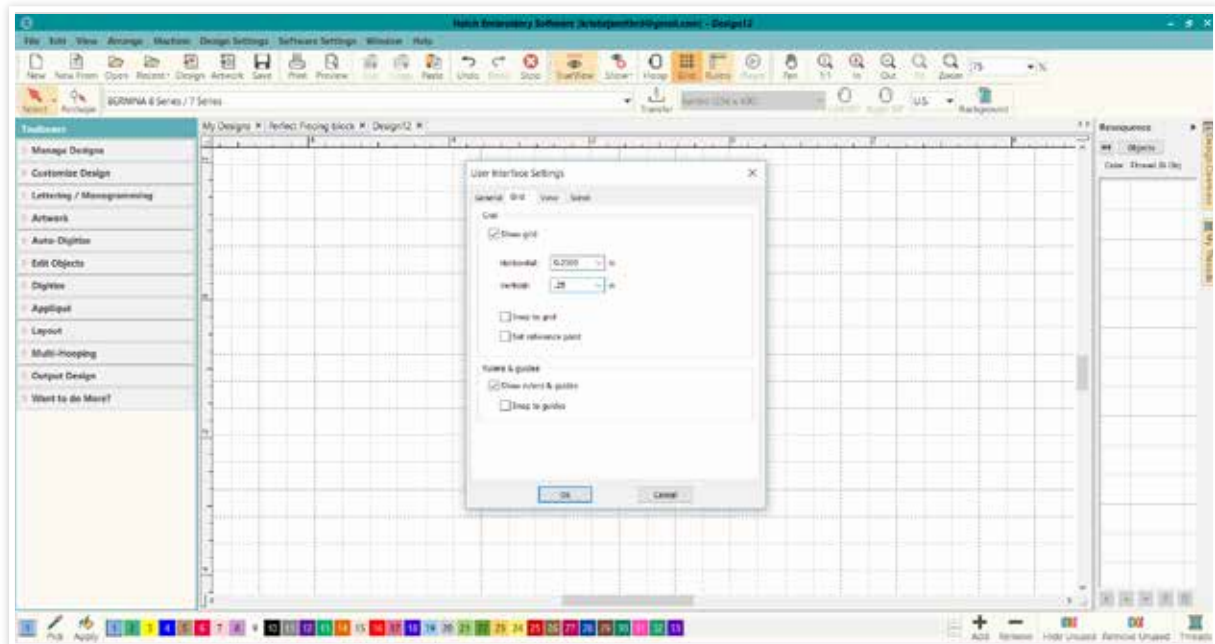
Temporary Spray Adhesive

Importance of color chips: Because this block has many pieces and guide lines, it is helpful to have the lines color coded. I will provide color suggestions to keep us on track.

Note: if color chips are not set at the bottom of the screen, open the **Threads** docker and add desired colors. We are utilizing color differentiation for embroidery color stops only; if your machine uses a different method to add stops between design components, please make allowances.

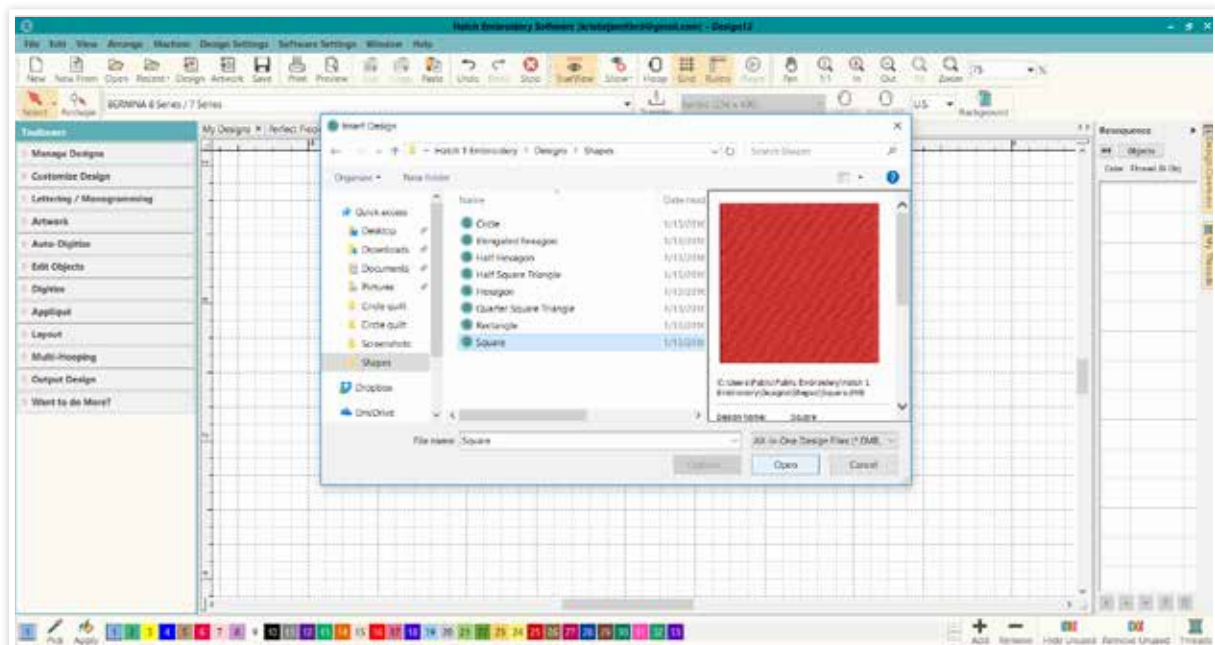
Setting the Grid

Right-click on the **Grid** tool at the top of your screen. The **User Interface Settings** box will open. Check the box beside **Show grid** and set the horizontal and vertical grid to .25" (6.25 mm), left-click on 'OK'.

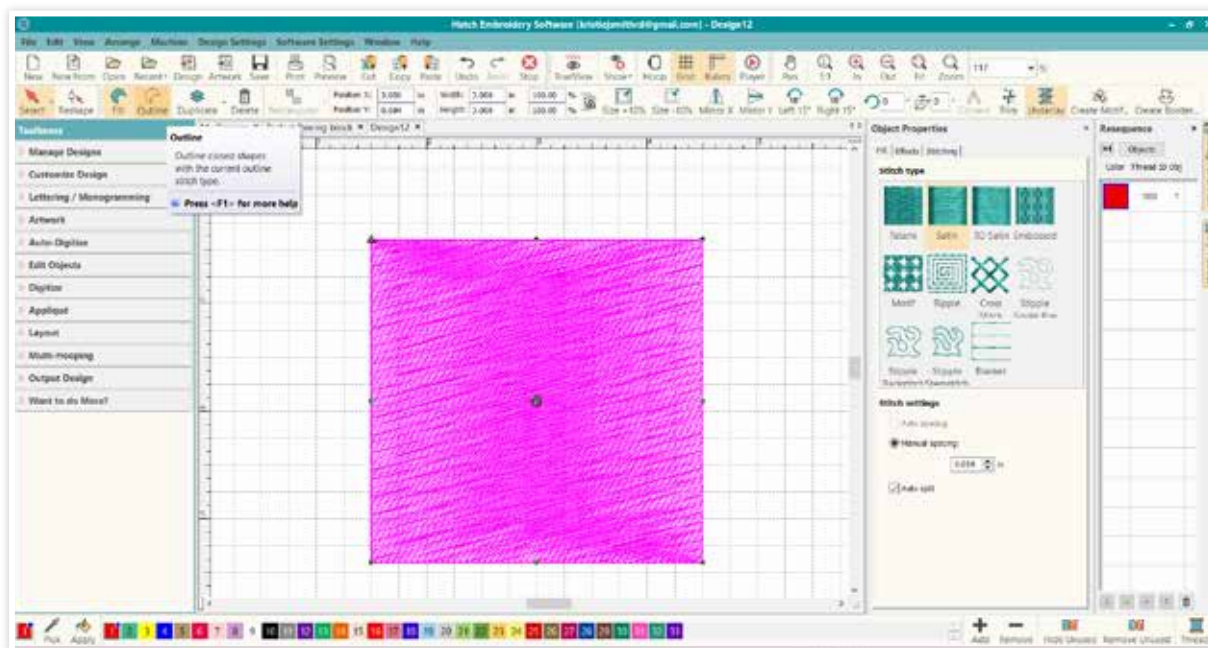


Creating the Block

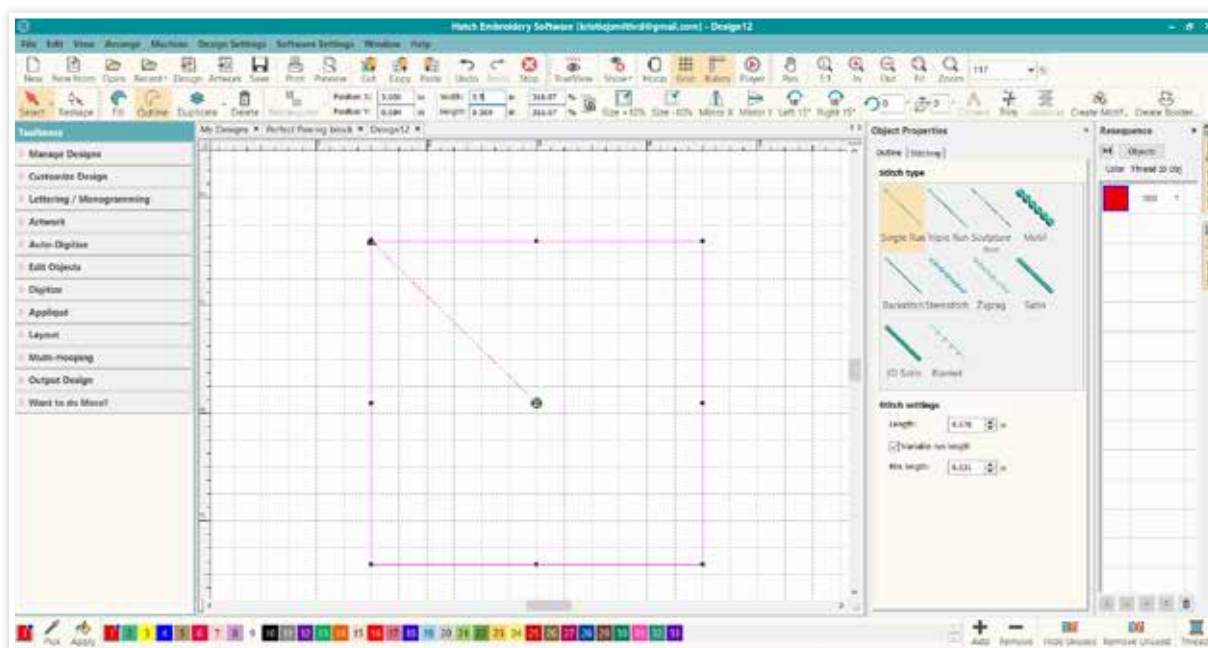
Left-click on **File** then left-click on **Insert Design**. Locate the 'Shapes' file in Hatch Embroidery, and select the 'Square' design. Click Open.



Left-click on the **Select** tool, then left-click on the square design to highlight the design; change the square to an outline by left-clicking on the **Outline** tool.

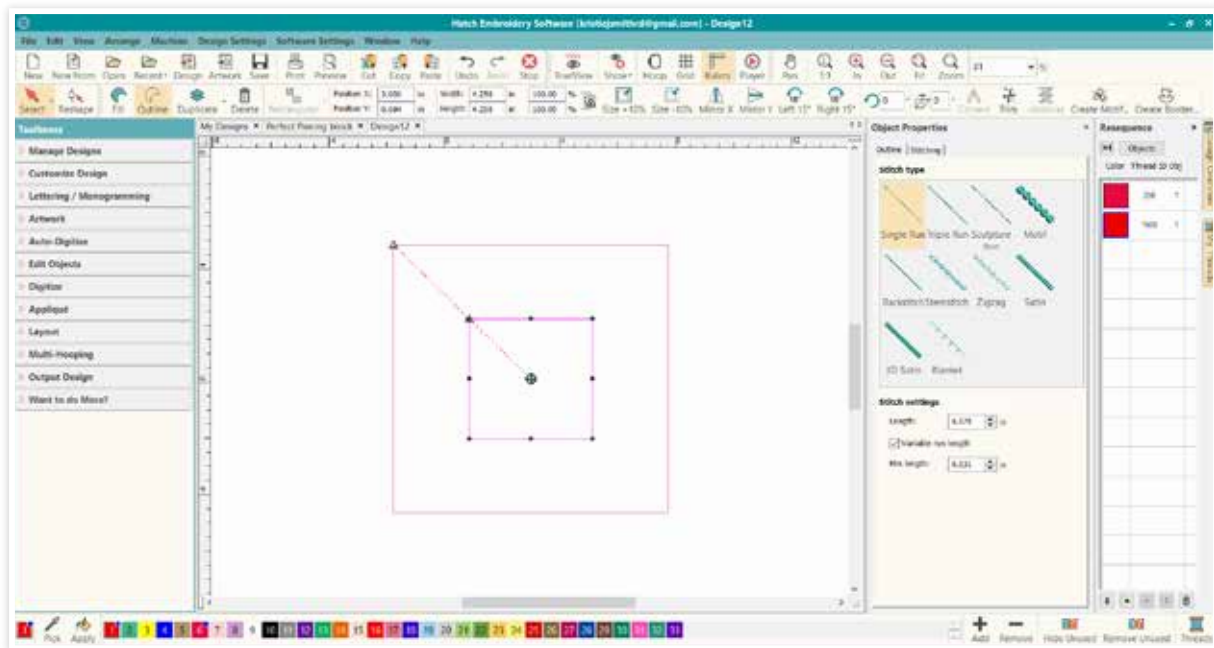


While the square still selected, change the height and width of square to 9.5" (241mm) by entering '9.5' (241mm) in the size boxes at top of the screen then press Enter on your keyboard to set the size of the block.

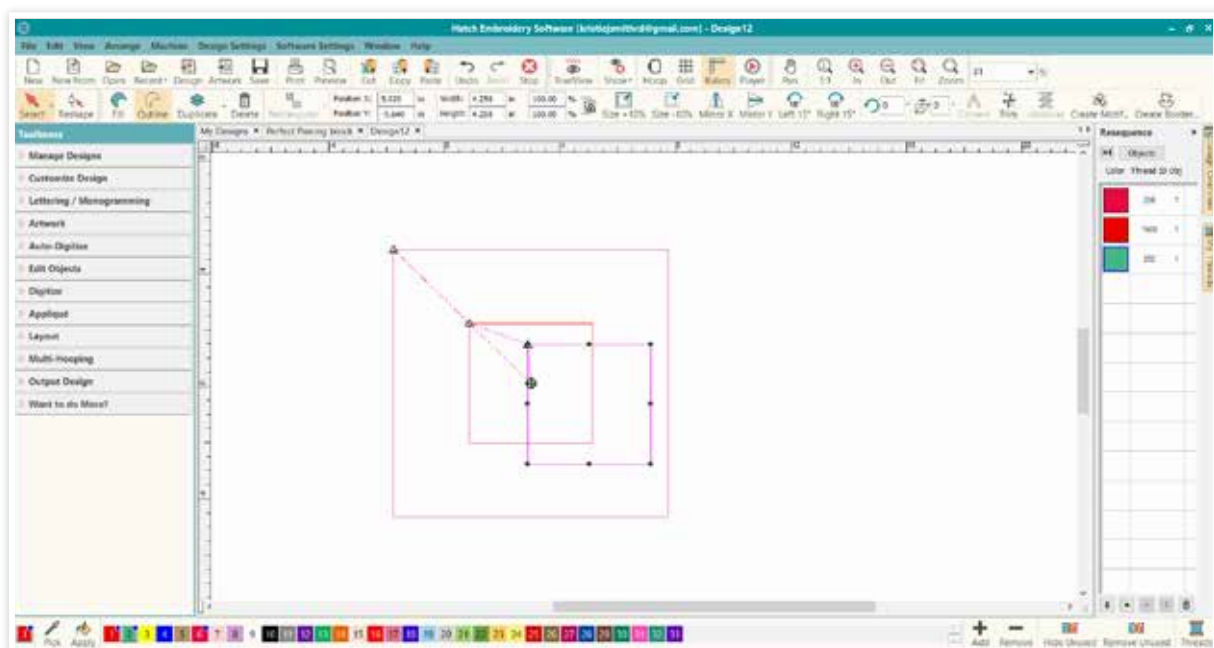


Building the Center Square

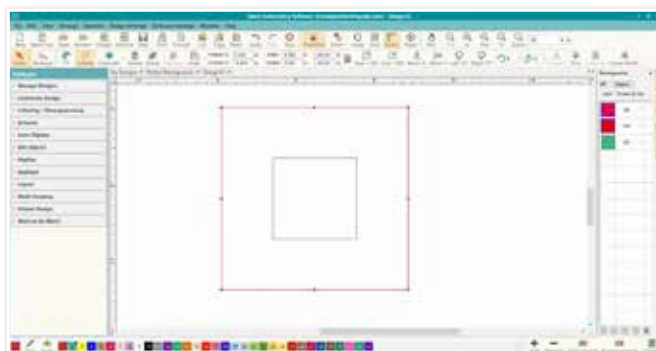
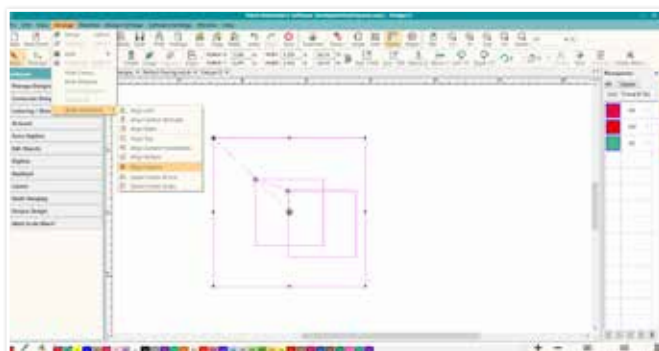
Left-click on **File**, left-click on **Insert Design**, locate the Shapes file in Hatch software, and select the 'Square' design; select Open. Left-click on the **Select** tool, then left-click on the square design to highlight the design; change the square to an outline by left-clicking on the **Outline** tool. While the square still selected, change the height and width of the square to 4.25" by entering "4.25" (107.9 mm) in the size boxes at top of the screen. Press Enter on your keyboard to set the size of the block.



With the inner square highlighted, right-click and drag to duplicate the square; with the second inner square (duplicated square) selected, left-click on a green color chip on the bottom of the work space to change the color to green. Open the **Resequence** docker; there should be 3 color chips.

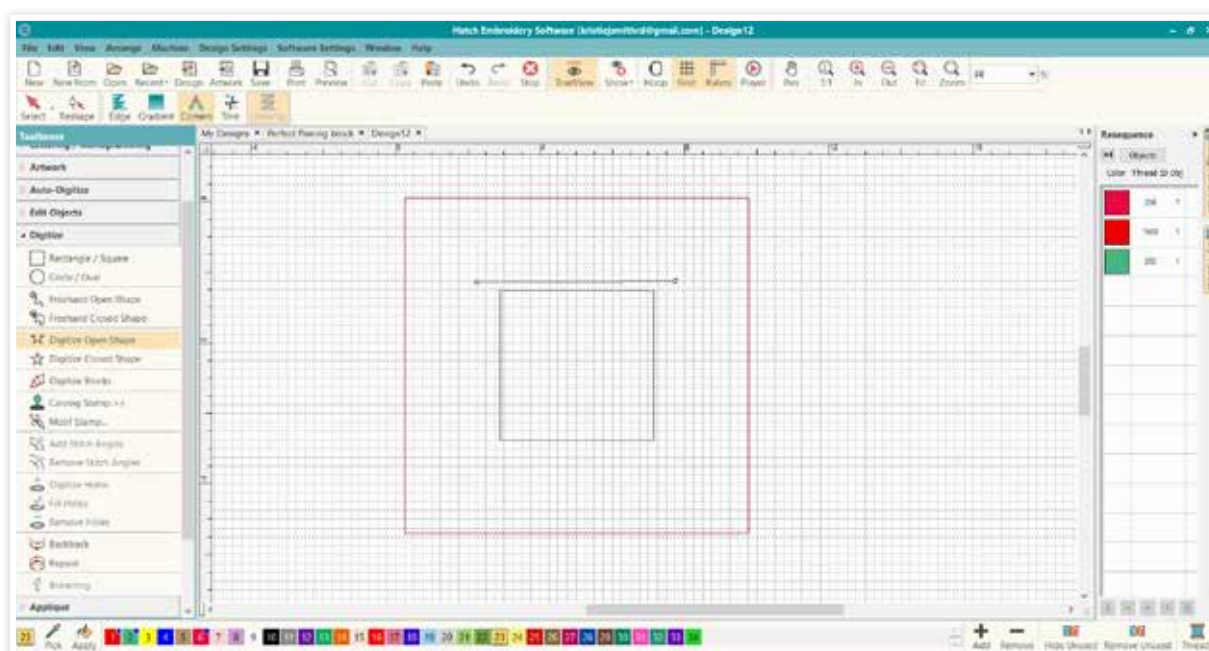


Press Control+A keys to select all. Left-click on the **Arrange** tool, left-click on **Align and Space**, and left-click **Align Center** to align the squares evenly.



Drawing the Piecing Lines

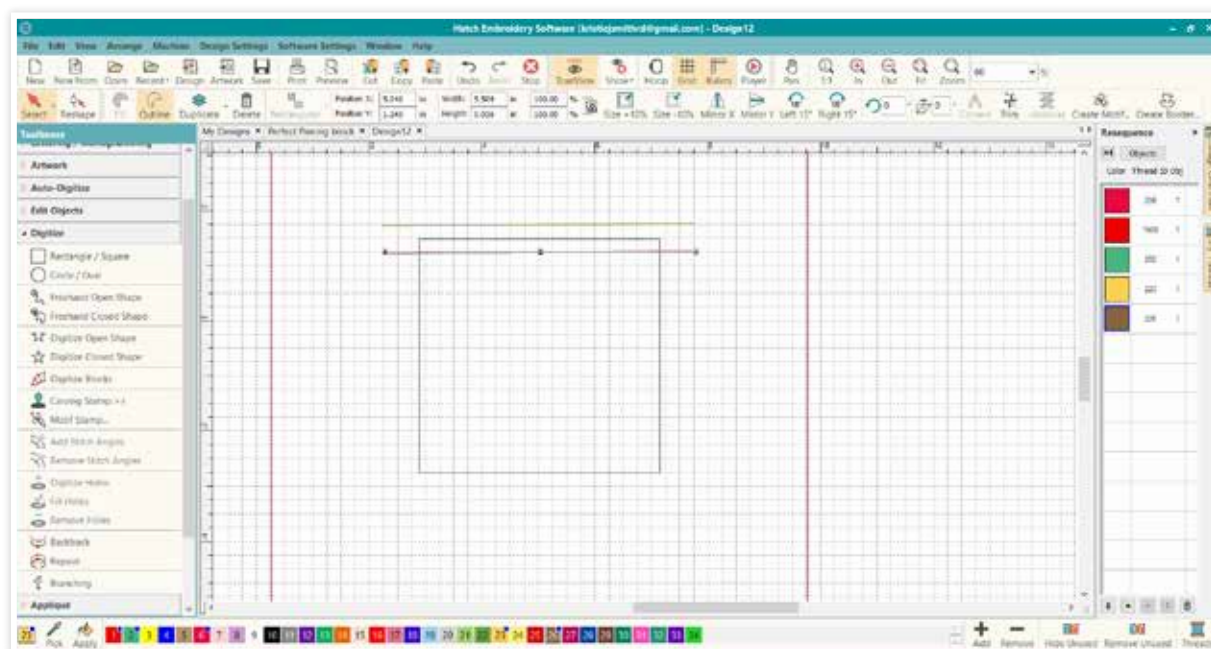
Left-click on the **Digitize** toolbox, left-click on the **Digitize Open Shape** tool. Pick up yellow color chip at the bottom of the screen and choose **Single run** in the **Object Properties** box. Make sure your grid is on. On the upper side of square, we are going to draw a guideline for our triangle pieces. With the cursor 1 square above the center square, draw a line by left-clicking a point ~3 grid squares away from the left upper corner; then move the cursor to ~3 grid squares away from the right upper corner of the square and left-click to set the point of the line; Press Enter on your keyboard to set the line. Press Esc on your keyboard to deselect the tool.



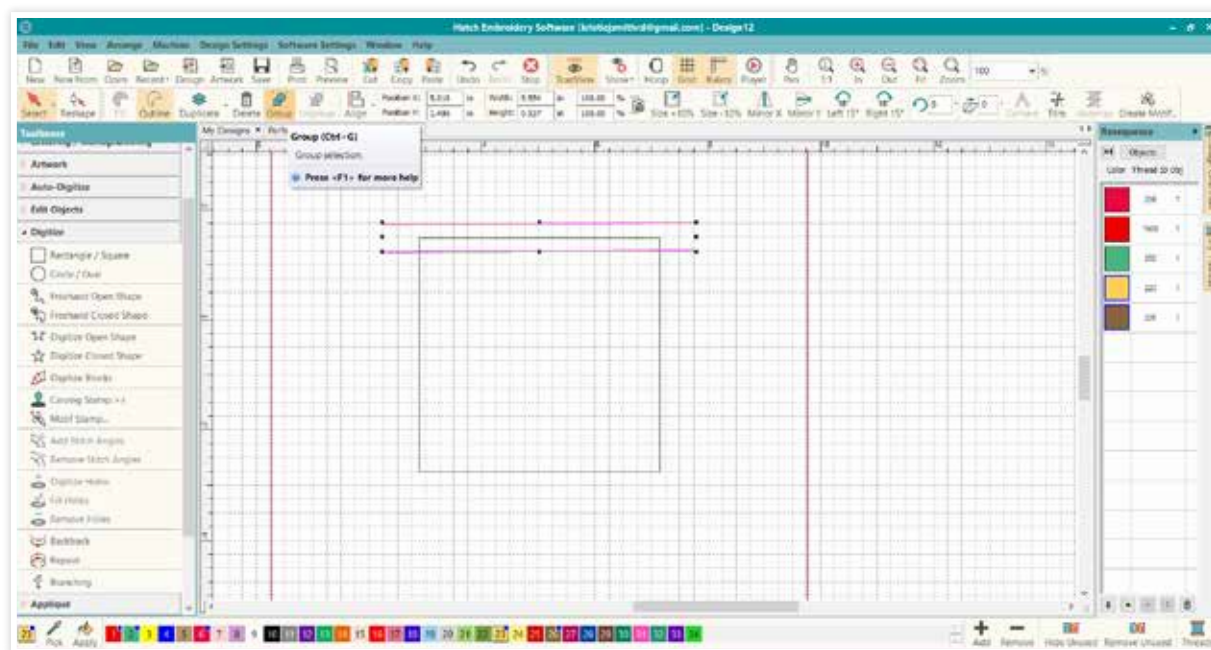
Left-click on the **Select** tool, then left-click on the line that you just drew. With the line highlighted, right-click and drag the line 1 grid line inside the square to duplicate.

Tip: holding the **Control** key on the keyboard while you drag keeps the duplicated design aligned with the first design.

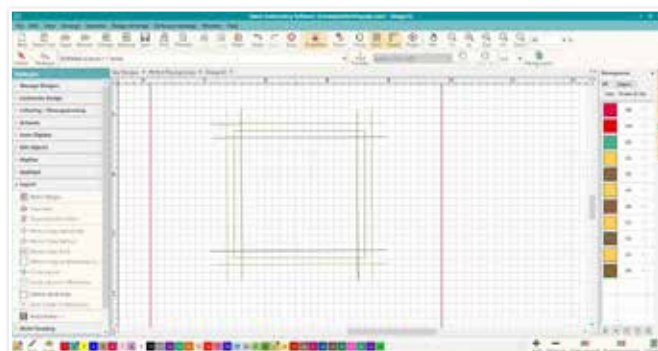
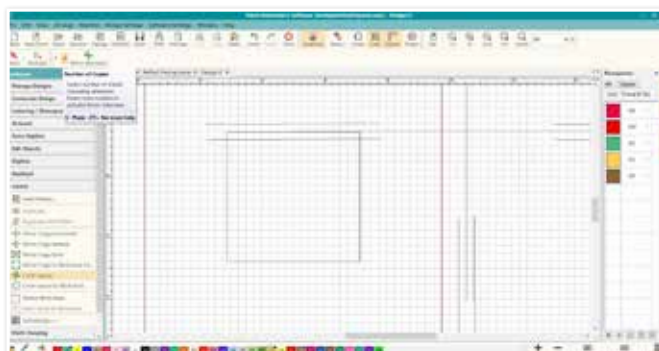
With the duplicated line still highlighted, select the brown color chip. The brown line will be our stitching line.



Open the **Resequencer** docker on the right side of the screen. The color chips should be showing (if not, left-click on the **Colors** box). Clicking on the color chips will select all design elements in a given color. Left-click on the last color (brown), hold the shift key on the keyboard and left-click on the second to last color chip (yellow) to select the 2 lines; left-click on the **Group** tool to group both lines into one component.

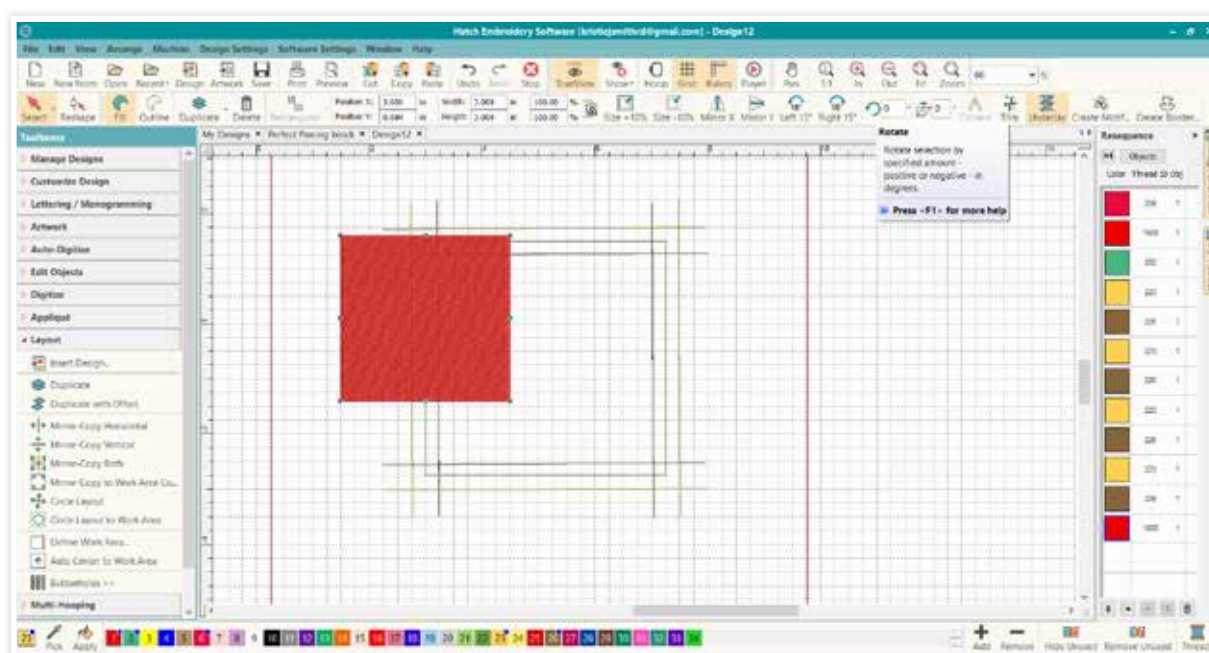


With the lines still selected, left-click on the **Layout** toolbox, left-click on the **Circle Layout** tool; choose 4 in the **Number of copies** box in the upper toolbar, align the internal lines one grid square inside the square and hit Enter on your keyboard to set the lines.

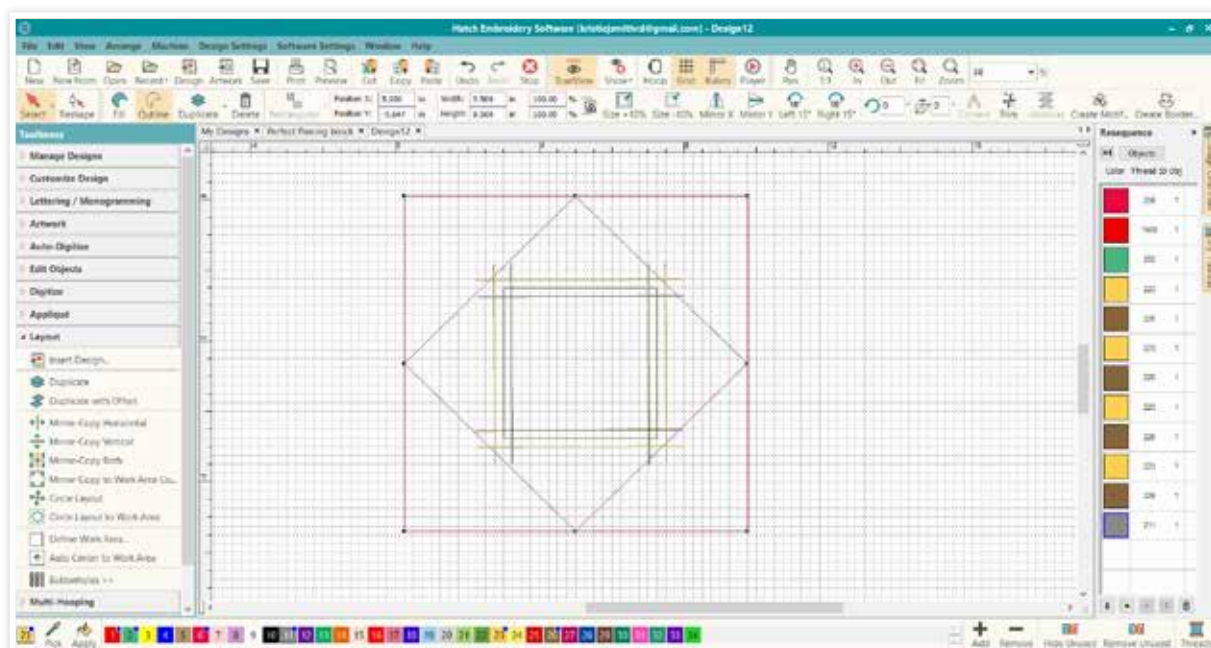


Creating the On-Point Square

Left-click on 'File', left-click on 'Insert design', locate the Shapes file in Hatch software, and select the 'Square' design; select 'Open'. Left-click on the **Select** tool, then left-click on the square design to highlight the design; left-click on the **Rotate** tool and enter '45' into the box beside the tool.

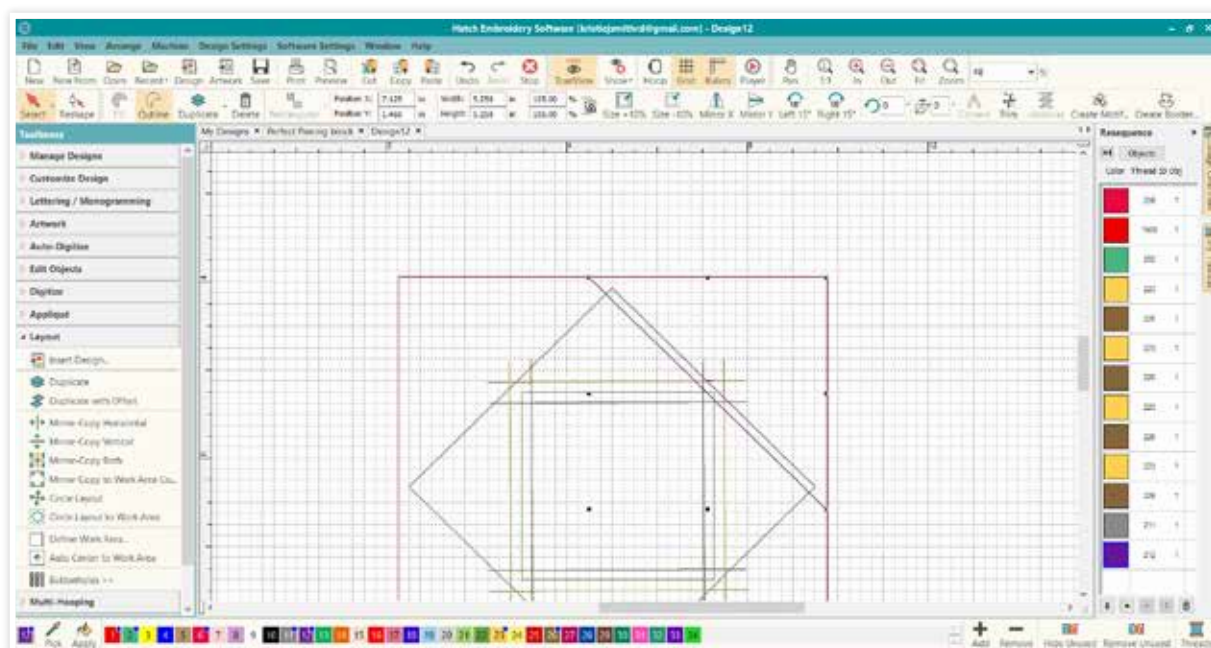


While the square still selected, change the square to an outline by left-clicking on the **Outline** tool and change the height and width of the square to '9' by entering '9' (228 mm) in the size boxes at top of the work-space. Press Enter on your keyboard to set the size of the block. Select the gray color chip for this square. This will serve as a tack stitch for our fabric already attached and a guideline for the next pieces. We will refer to this square as the “on-point square”.

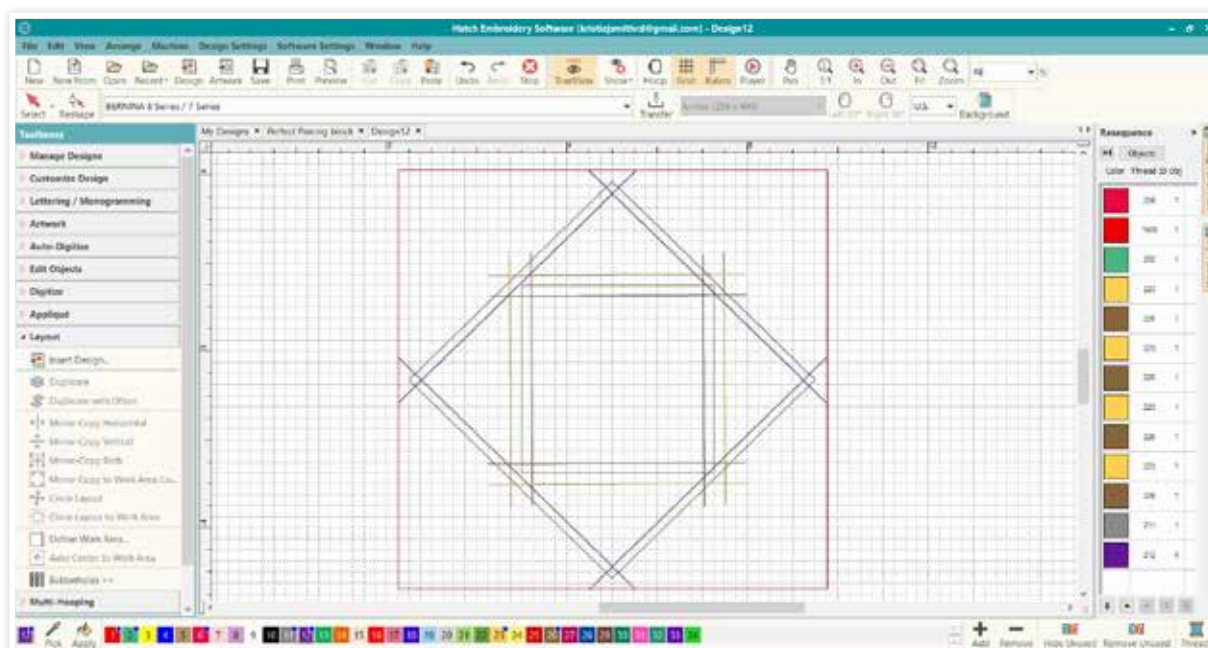


Drawing the Last Piecing Lines

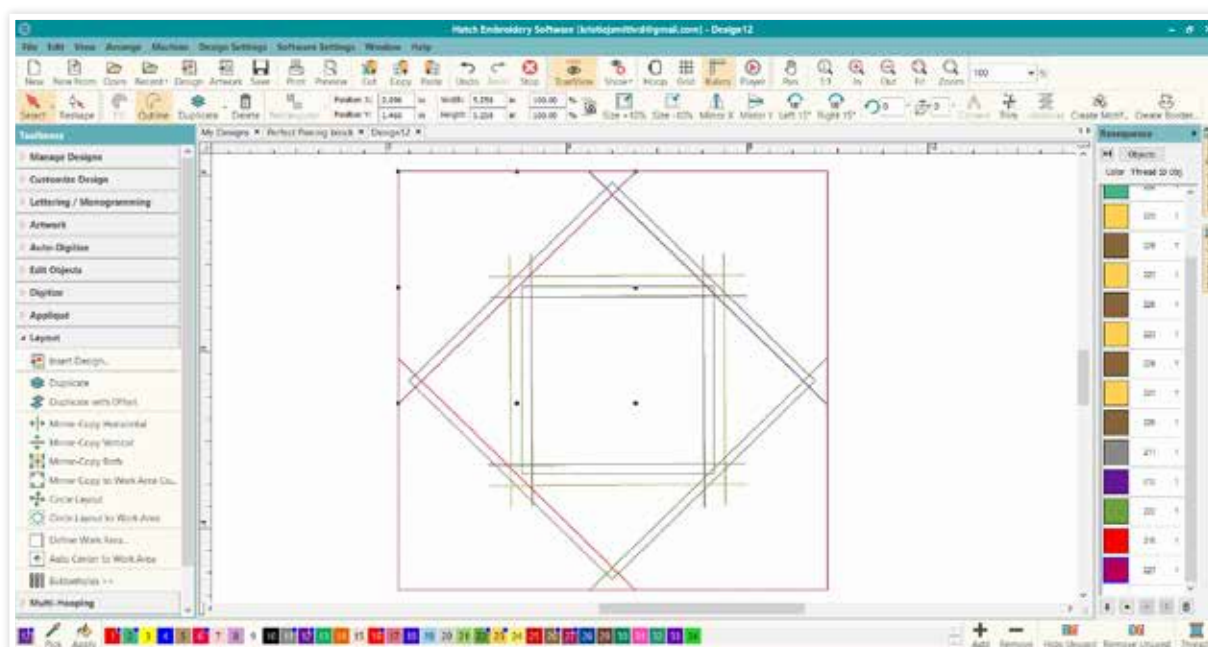
Left-click on the **Digitize** toolbox, then left-click on the **Digitize Open Shape** tool. Pick up a purple color chip and choose **Single run** in the **Object Properties** box. Starting with the upper point of the “on-point square”, position the cursor one grid square inside the “on-point square” and to the top of the outer square; draw a line by left-clicking a point one grid square away from the left upper corner; then move the cursor to the other side of the outer square keeping the line one grid square away and left-click to set the point of the line. Press Enter on your keyboard to set the line.



Open the **Resequence** docker on the right side of the screen. The color chips should be showing (if not, left click on the **Colors** box). Clicking on the color chips will select all design **Layout** toolbox and choose the **Circle Layout** tool; choose 4 in the number of copies box in the upper toolbar, align the internal lines one grid square inside the “on-point square” and hit Enter on your keyboard to set the lines.

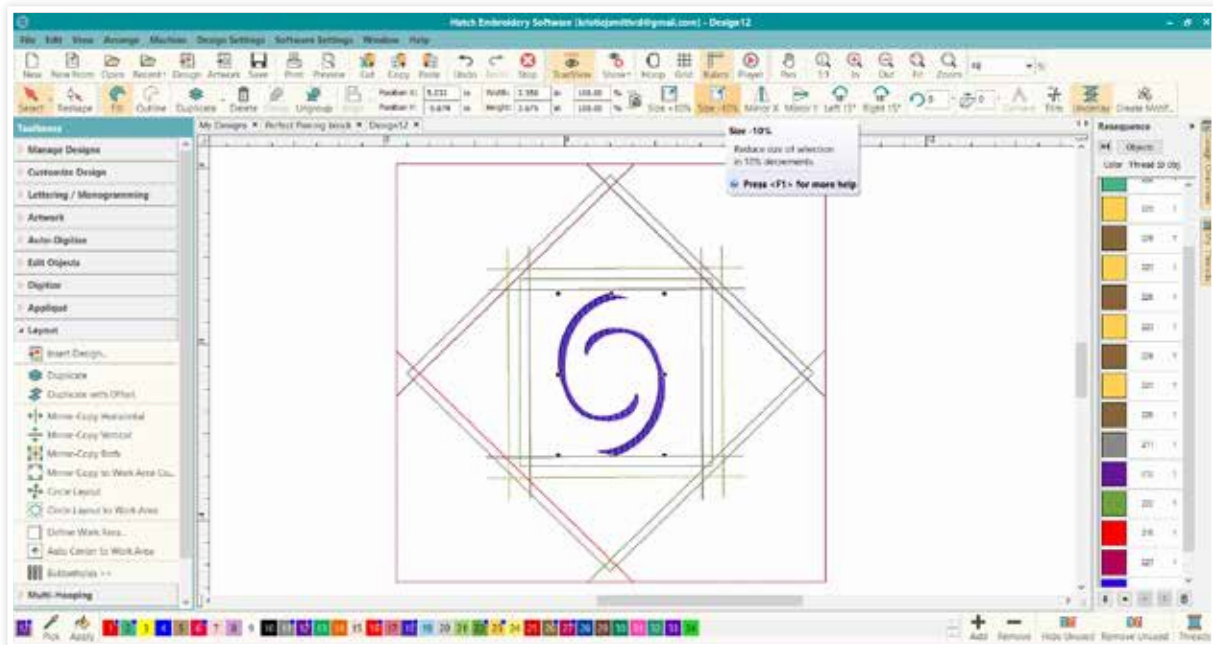


Click on each line that was duplicated with the circle layout tool and change each to a different color by left-clicking on a color chip different than previously used. This will provide stops between the design objects.



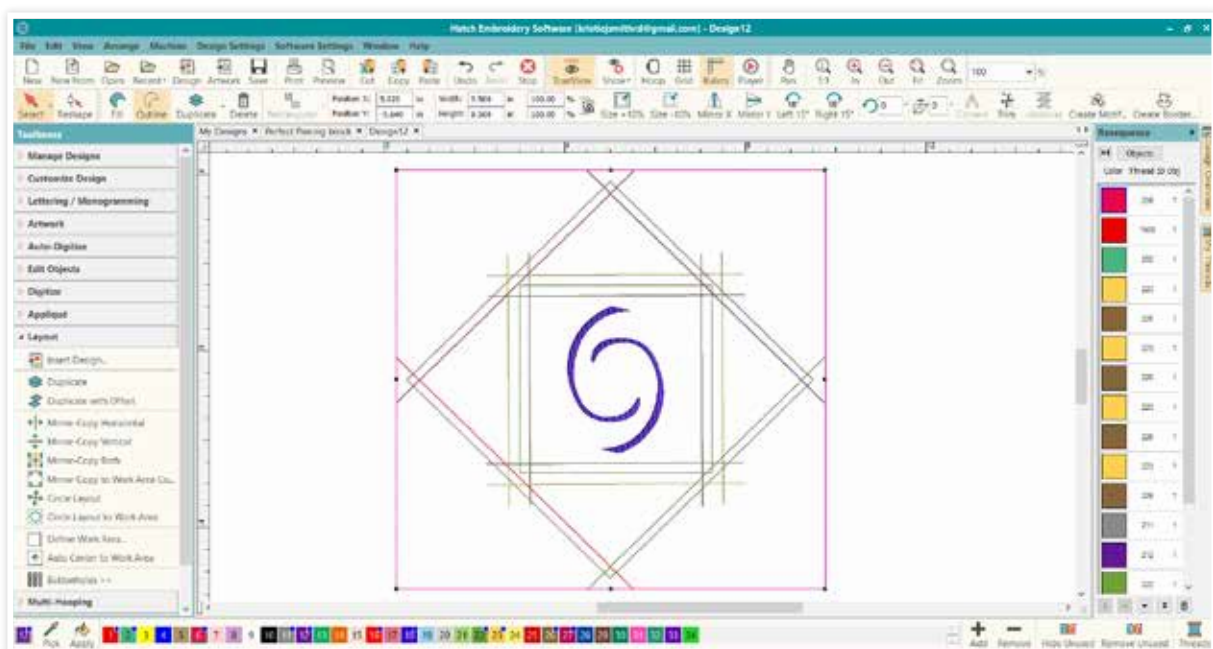
Inserting the 'Circle Embellishment' Design

Left-click on **File**, left-click on **Insert Design**, locate the 'Circle Embellishment' design (design was included in the downloaded zip file) then select **Open**. Left-click on the **Select** tool and click on the embellishment design. Left-click on 'Size -10%' to decrease the design by 10%. Position the embellishment in the center square.

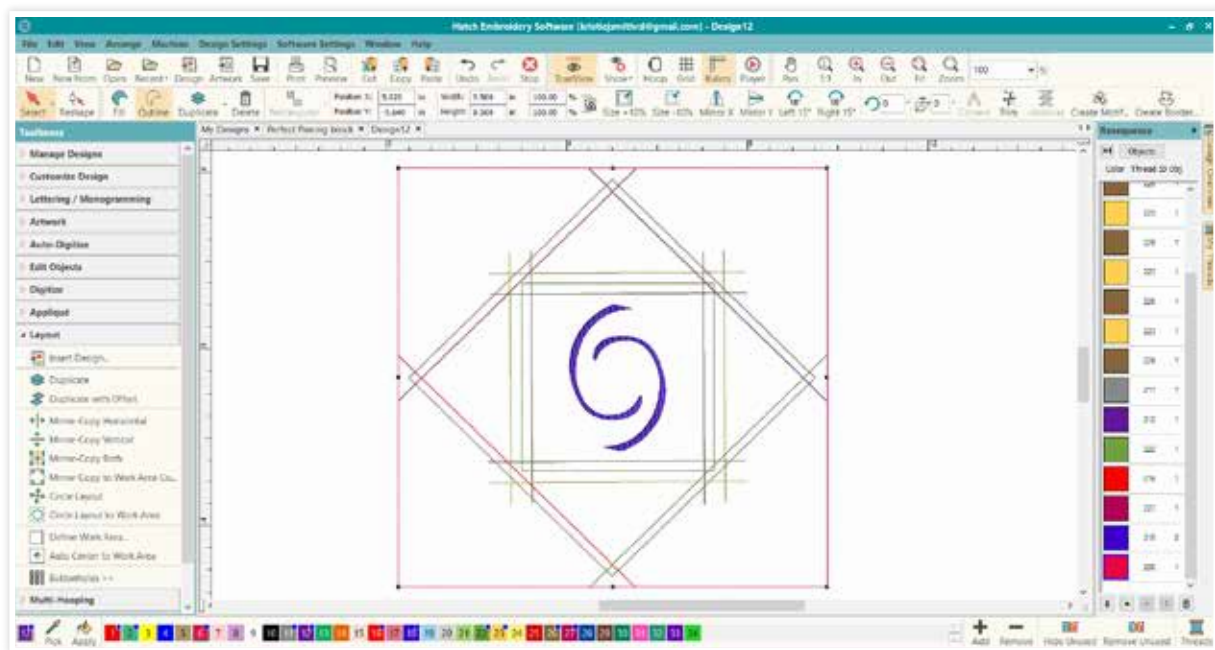


Moving the Outline Box

Open the 'Resequencer' docker and scroll to the top to locate the first square, then left-click on the first color chip to highlight the first square.

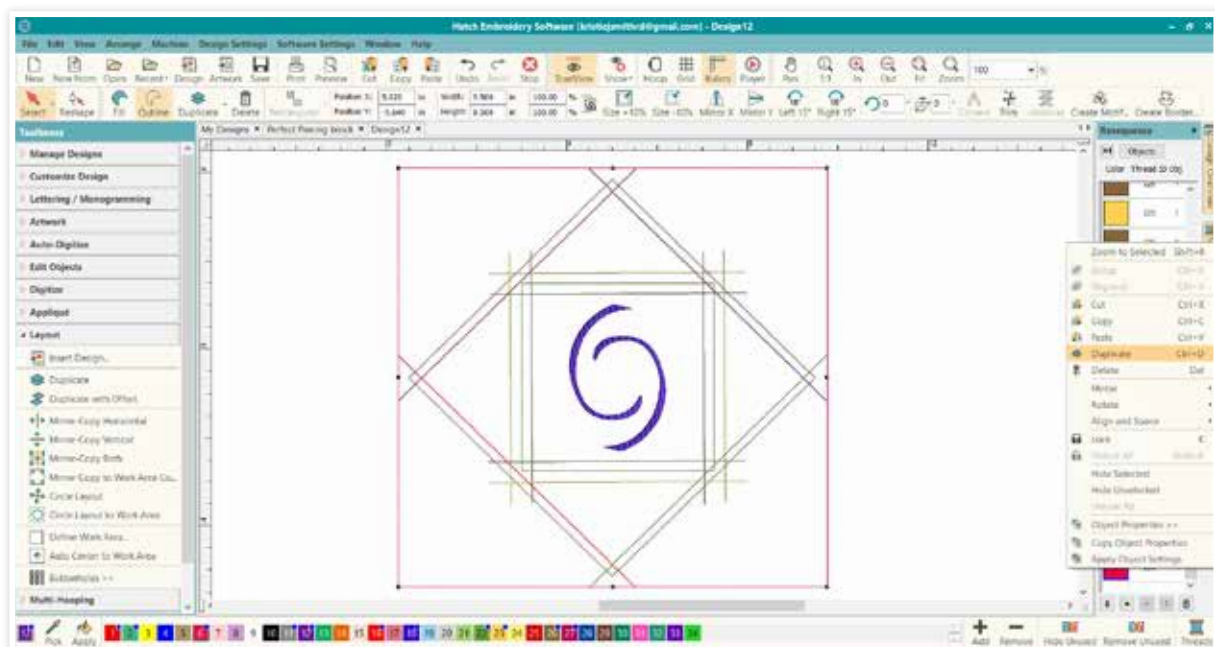


Left-click the double down arrow (Bottom tool) at the bottom of the **Resequene** docker to move the block to the bottom on **Resequene** docker **Colors**. This will be a securing stitch for the pieced triangles.

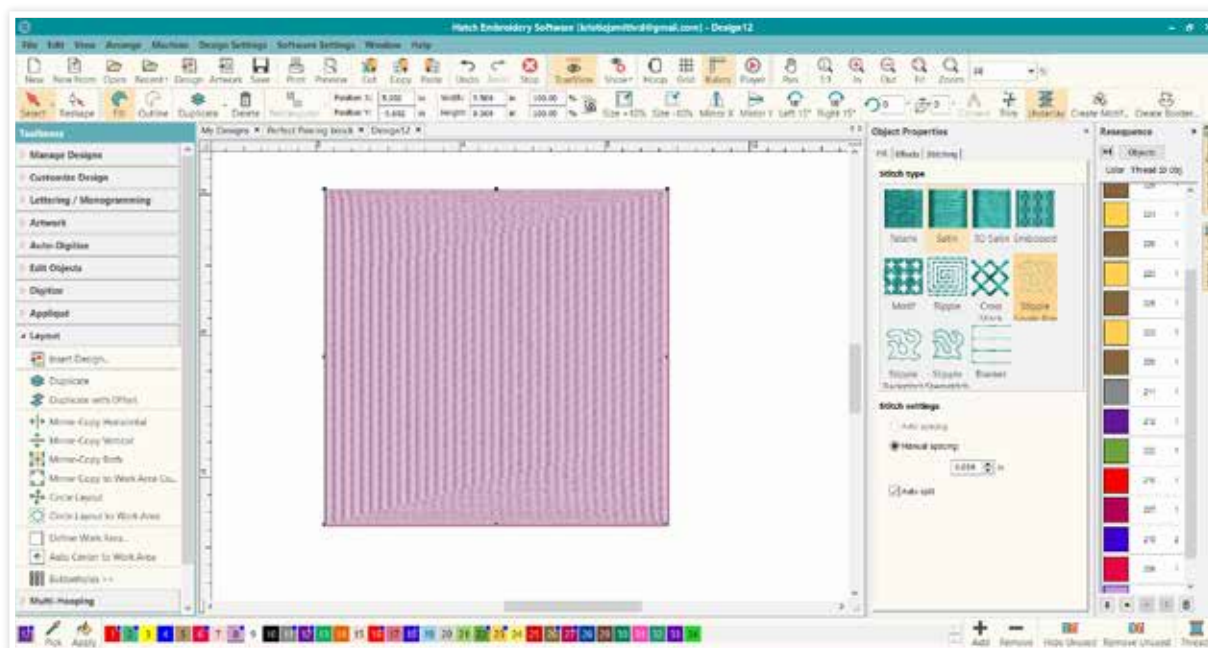


Quilting Fill

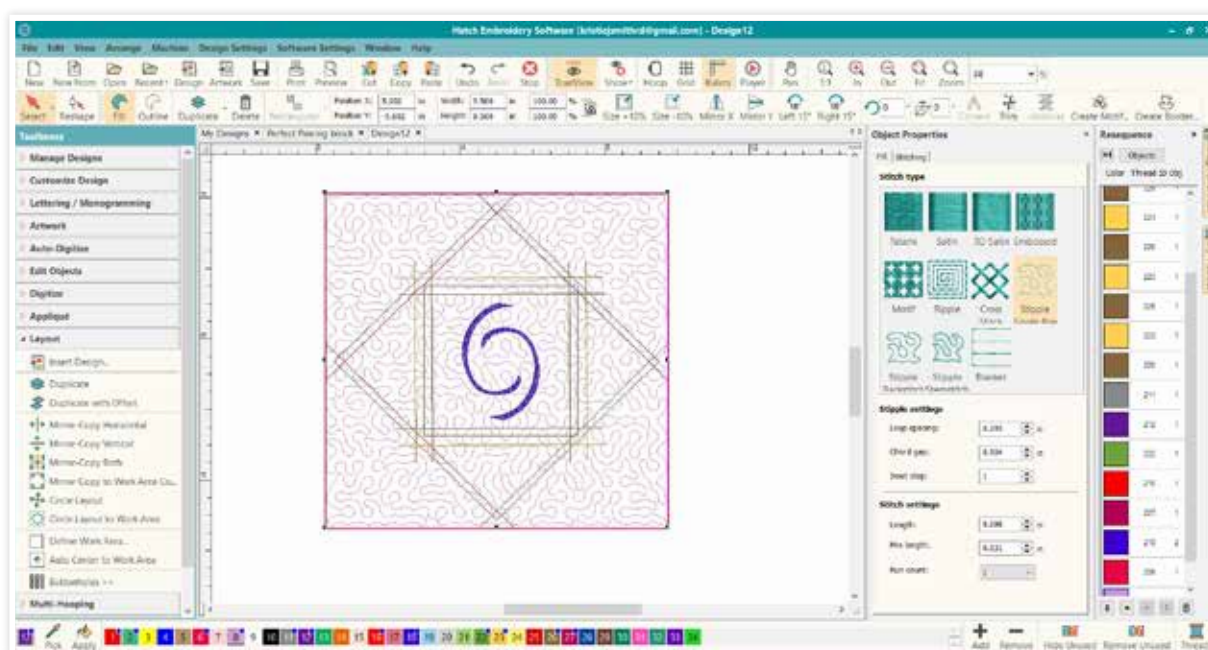
Left-click on the last red color chip, right-click and drag to duplicate the box.



With the duplicated box selected/highlighted, left-click on light purple color chip to change the color, then left-click on the **Fill** tool (the box should be filled). Slide the box to cover the design.



In the **Object Properties** box under **Stitch Type**, left-click on 'Stipple Single Run' at default settings and the box should become stipple quilting.



Once the block is created as desired, left-click on the **Output Design** toolbox. Left-click on **Auto Start and End** tool and select set start and end positions by checking the boxes beside 'First stitch of design' and 'Last stitch of design'. Left-click OK. Save the design and output the design to your machine.

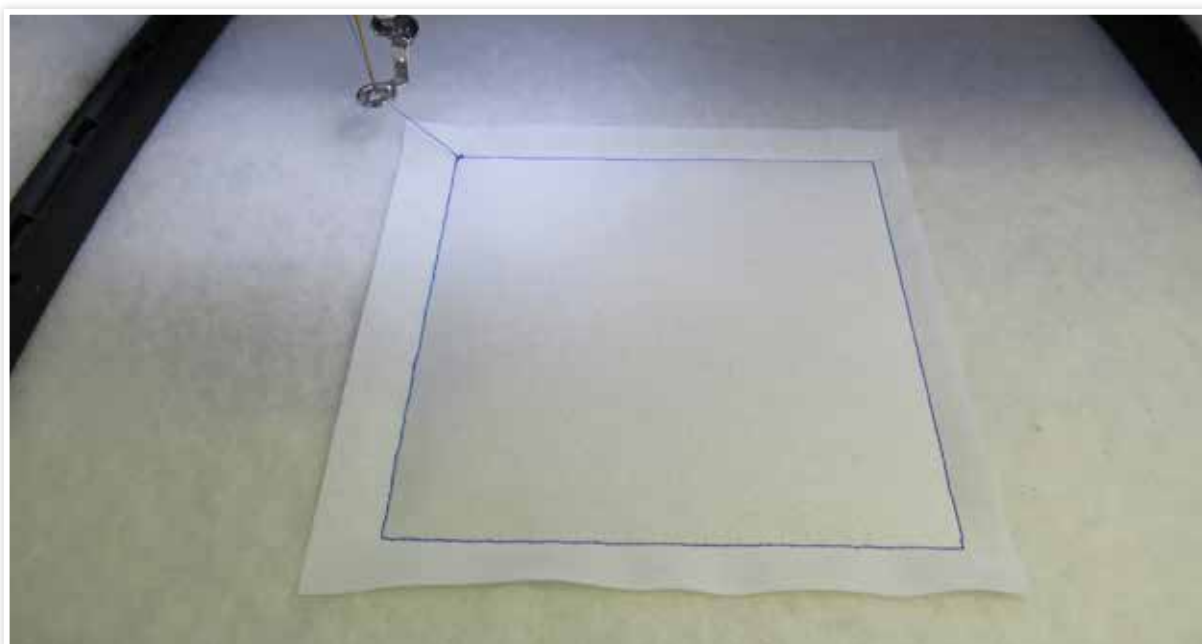
Stitching the Block

All piecing elements can be sewn with the same color of thread; remember the color changes in the design are there to create stops between design elements.

Layer the batting and 2 pieces of stabilizer to create a layered sandwich (if desired, use temporary spray adhesive between layers). Hoop the layered sandwich into an embroidery hoop large enough to accommodate the block design.

Note: The backing fabric is NOT added yet.

Stitch the first color and the machine will stop; layer the center square fabric (white) to completely cover the first design element (square) stitched. The second design element to stitch will be a tack-stitch for the center square fabric; after the machine stops, cut away excess fabric without cutting into the stitching (I usually leave ~1/4" raw edge).



Stitch the next design component (guideline); lay print #1 fabric right side down toward the center square and align the raw edge of the fabric with the guideline that you just stitched. Stitch the next design component (stitch line for the fabric piece). Once the fabric piece is stitched, flip the fabric right side out and finger-press. Continue the process until fabric is attached to all four sides of the triangle.



Smooth all fabric pieces with your hand and then stitch the “on-point square” to secure the pieces. Trim excess fabric raw edges ~1/4” away from stitching line.

Note: To let you experience piecing without guidelines, there are no guidelines for the second round of pieced triangles.

Lay print #2 fabric right side down toward the on-point square and align the raw edge of the fabric with the side of on-point. Stitch the next design component (stitch line for the fabric piece). Once the fabric piece is stitched, flip the fabric right side out and finger-press. Continue to process above to complete to piece fabric around the “on-point square”.



After stitching the 'Circle Embellishment' design component, stop the machine.



Remove the hoop (DO NOT remove the fabric sandwich from the hoop); spray the back of layered sandwich with temporary spray adhesive and place backing fabric wrong-side up to the back of the layered sandwich (Use masking tape to secure raw edges of the fabrics if needed). Place the hoop back on the machine and continue stitching the design. Remove the layered sandwich from the machine and trim to a 10" square.



CONGRATULATIONS!

YOU HAVE JUST 'HATCHED' ALL THE QUILT BLOCKS. I HOPE YOU HAVE ENJOYED EXPLORING SOME OF THE FEATURES OF HATCH EMBROIDERY. BELOW ARE THE INSTRUCTIONS TO CONSTRUCT THE BLOCKS COMPLETE INTO A QUILTED PROJECT.

Finishing

If you have not already done so, trim all blocks to 10"/254mm squares.

Sashing

Cut 4 strips X 1.75"/44.45mm for front sashing

Cut 4 strips X 1"/25.4mm for the back binding

Binding

Cut 3 strips X 2.5"/63.5mm wide

(you will have a bit of extra fabric left in case of additional strip needs)

The concepts of connecting the blocks in the following video were used to construct our quilt project. Remember, our quilt blocks are 10"/ 254mm square (the blocks in the video are larger), but the concept of attaching the blocks is the same. On the sample the front sashing was cut into 1.75"/44.45mm strips for better coverage and stitched down with a zigzag stitch using invisible thread. The sashing can be stitched by hand or on the machine using any desired thread.

<https://www.youtube.com/watch?v=0vCWpxBRs20>



Binding

After the blocks are assembled, we will need a binding to cover the edges. The video tutorial below will walk you through completing the binding.

<https://www.youtube.com/watch?v=0vCWpxBRs20>

Creative Option

Don't forget the Label. Hatch Embroidery provides endless options to create labels for your quilted projects. Consider using some of the techniques learned in the Hatch quilt blocks.



Display your Hatch quilted project with pride and utilize the features from the projects to build other projects. We would love to see what you create next.

Share on the Hatch Facebook page www.facebook.com/hatchembroidery

Or email us at hatchsales@wilcom.com

NOTES



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