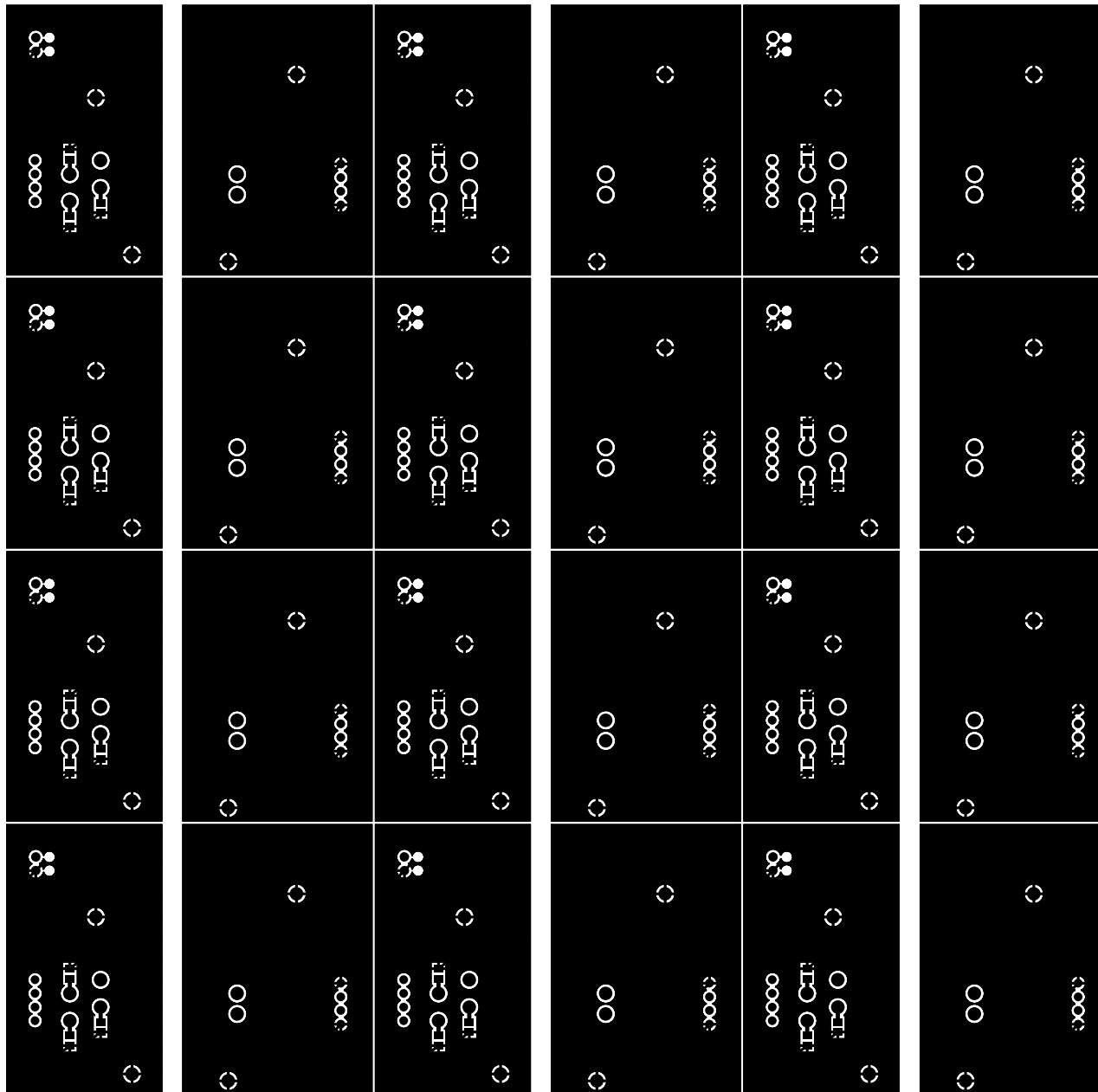


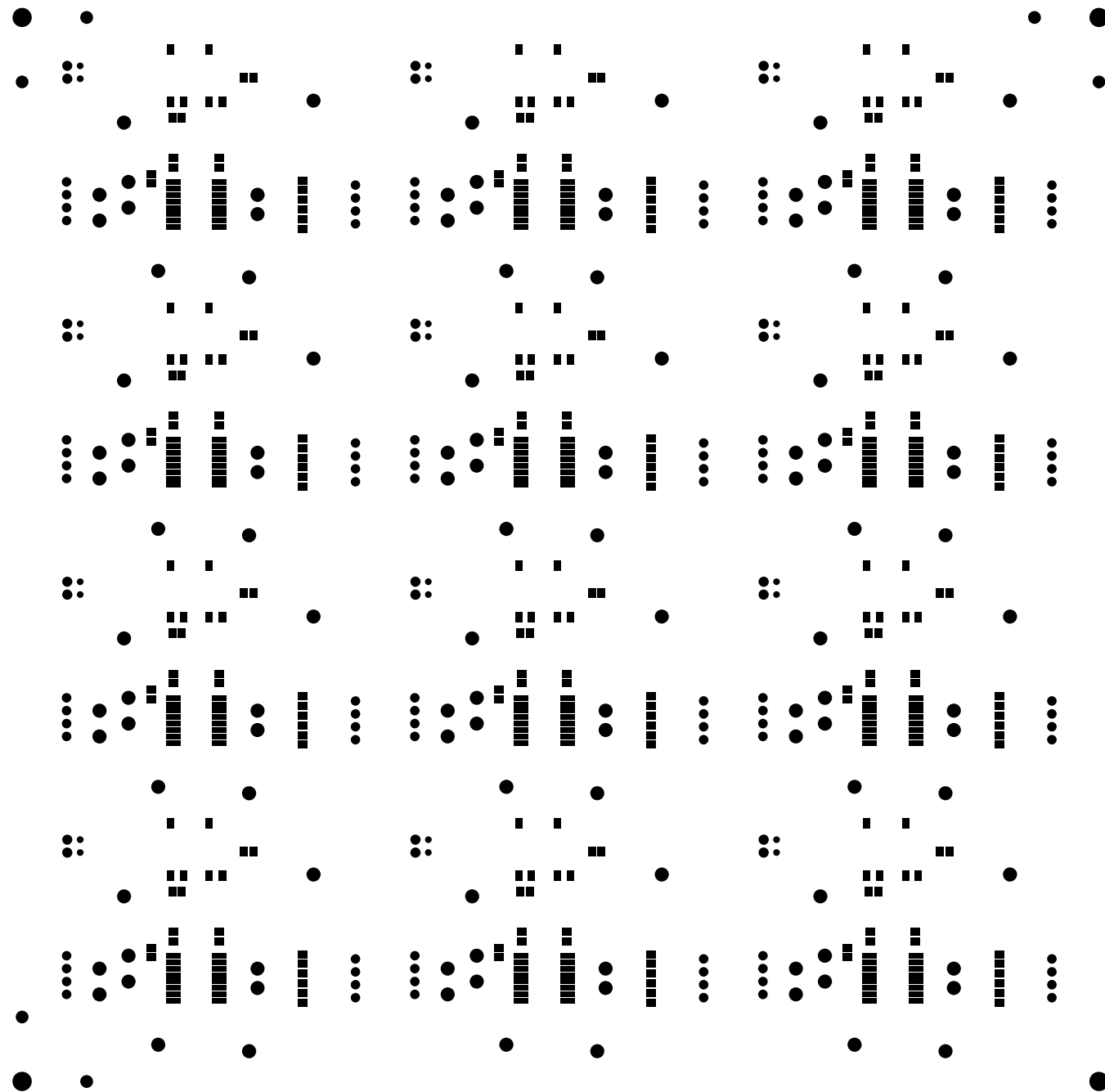
LAYER 1 - TOP SIDE  
NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
Immersion Gold FINISH\*\*  
FR4 170TG MATERIAL\*\*  
12 UP PER PANEL WITH V-scoring\*\*  
MASK COLOR Red\*\*  
BOTH SIDES SILKSCREEN\*\*  
RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
ADDED ON BOTTOM SIDE\*\*



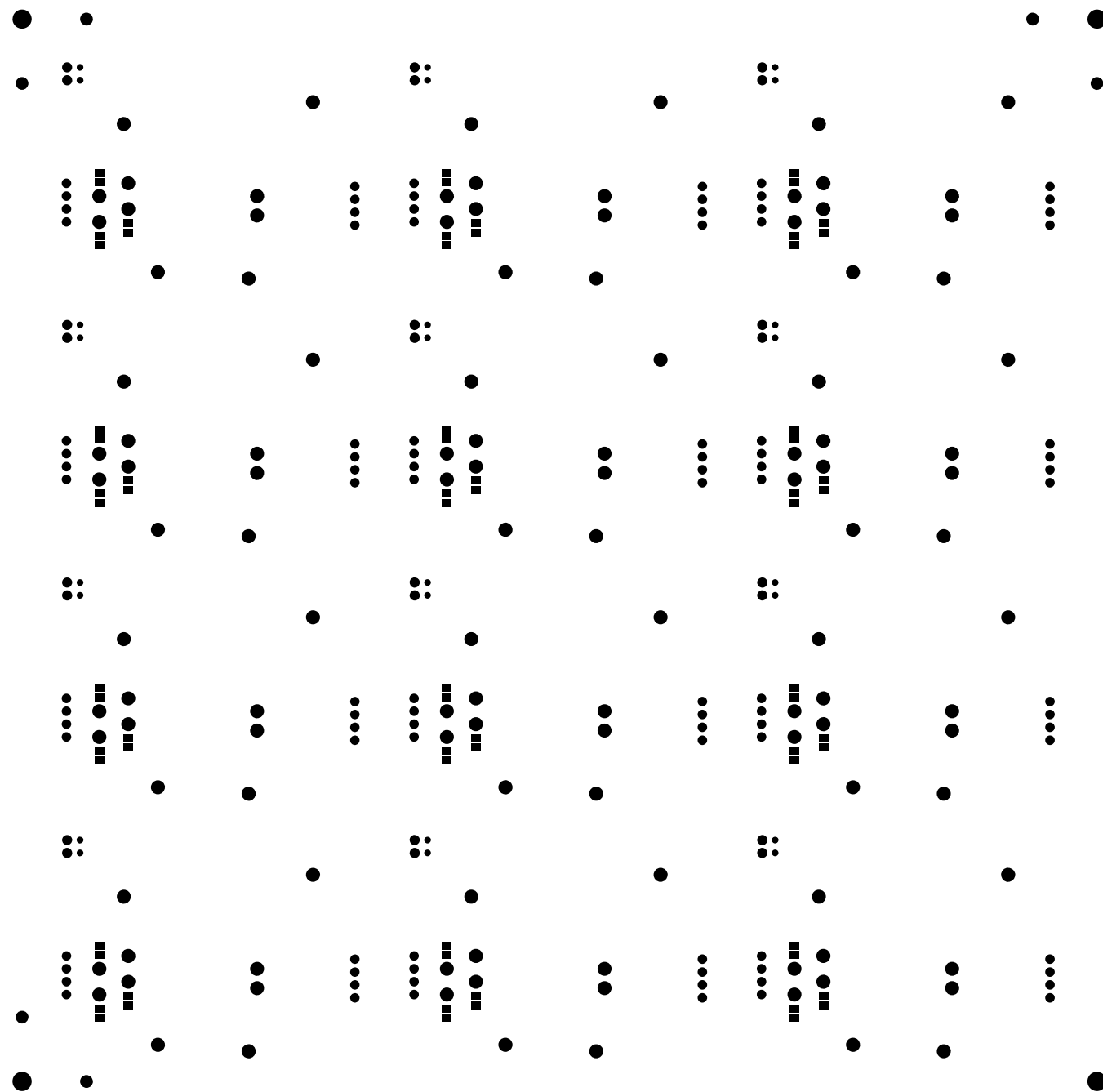
LAYER 2 - BOTTOM SIDE  
 NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
 Immersion Gold FINISH\*\*  
 FR4 170TG MATERIAL\*\*  
 12 UP PER PANEL WITH V-scoring\*\*  
 MASK COLOR Red\*\*  
 BOTH SIDES SILKSCREEN\*\*  
 RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
 ADDED ON BOTTOM SIDE\*\*



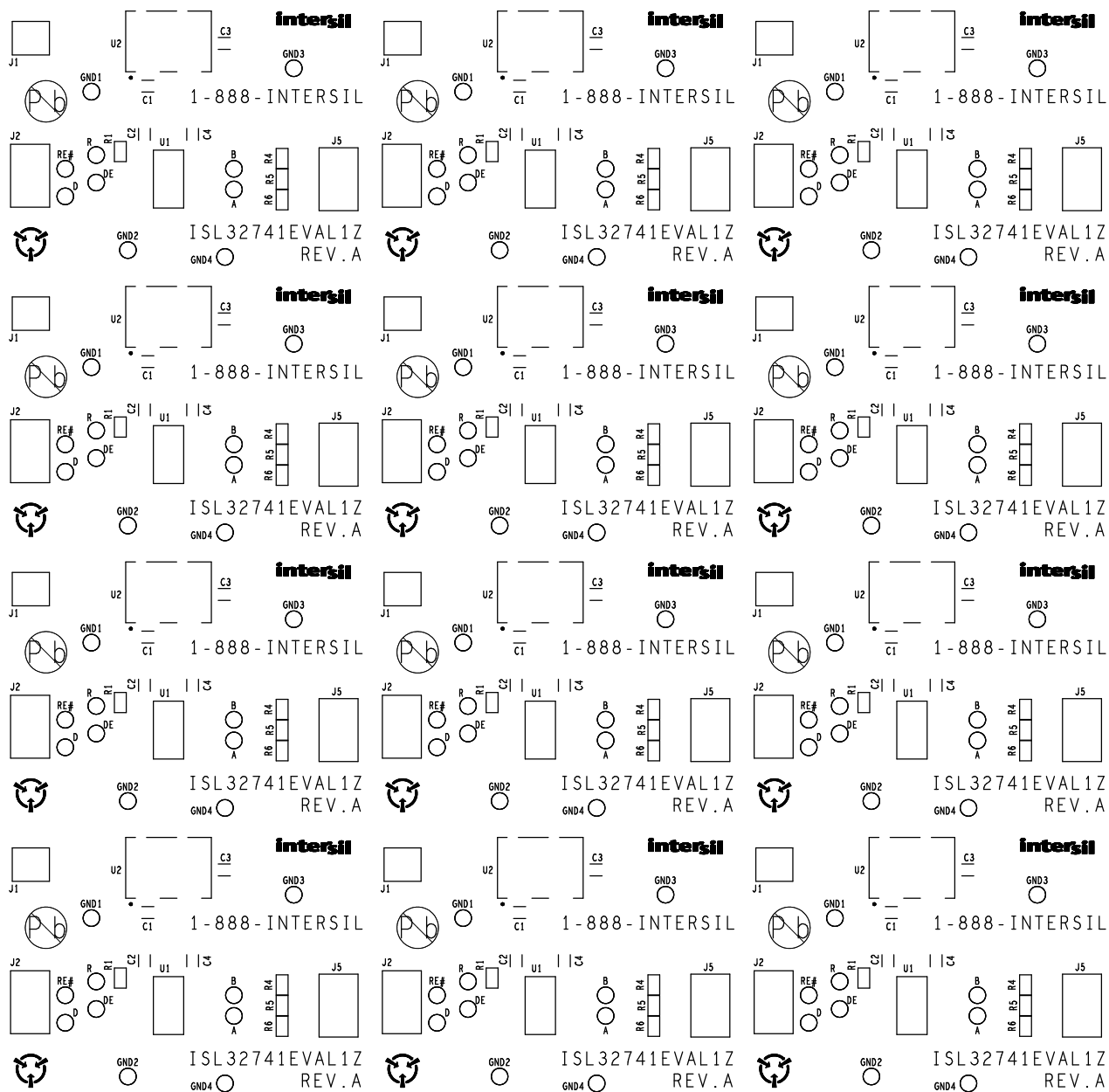
TOP MASK  
NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
Immersion Gold FINISH\*\*  
FR4 170TG MATERIAL\*\*  
12 UP PER PANEL WITH V-scoring\*\*  
MASK COLOR Red\*\*  
BOTH SIDES SILKSCREEN\*\*  
RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
ADDED ON BOTTOM SIDE\*\*



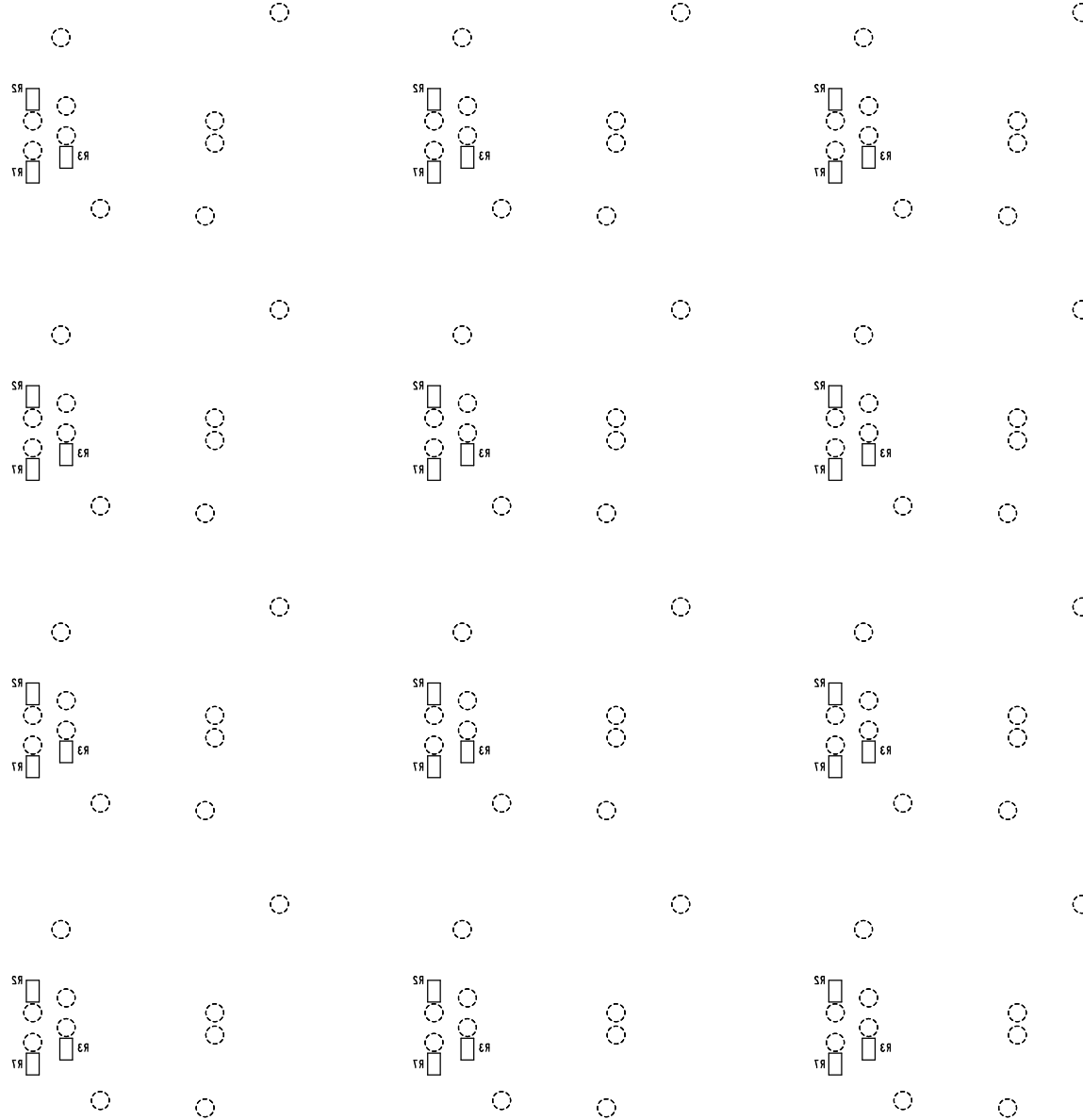
BOTTOM MASK  
NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
Immersion Gold FINISH\*\*  
FR4 170TG MATERIAL\*\*  
12 UP PER PANEL WITH V-scoring\*\*  
MASK COLOR Red\*\*  
BOTH SIDES SILKSCREEN\*\*  
RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
ADDED ON BOTTOM SIDE\*\*



TOP SILK  
 NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
 Immersion Gold FINISH\*\*  
 FR4 170TG MATERIAL\*\*  
 12 UP PER PANEL WITH V-scoring\*\*  
 MASK COLOR Red\*\*  
 BOTH SIDES SILKSCREEN\*\*  
 RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
 ADDED ON BOTTOM SIDE\*\*

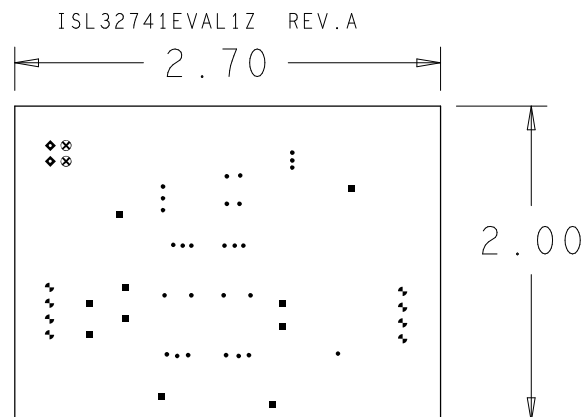


BOTTOM SILK  
NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
Immersion Gold FINISH\*\*  
FR4 170TG MATERIAL\*\*  
12 UP PER PANEL WITH V-scoring\*\*  
MASK COLOR Red\*\*  
BOTH SIDES SILKSCREEN\*\*  
RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
ADDED ON BOTTOM SIDE\*\*

## NOTES:

1. PRINTED WIRING BOARD DESIGN AND ACCEPTANCE CRITERIA SHALL BE IAW WITH THE REQUIREMENTS OF IPC-2221 BOARD TYPE 2, PERFORMANCE CLASS 2, AND IPC-A-600 UNLESS SPECIFIED BELOW.
2. MATERIAL - EPOXY GLASS .062 TOTAL THICKNESS +/- .006, FR4 (ROHS), 1 OZ COPPER.
3. FOR THE .041" DRILL HOLES USE +.004 -.000 TOLERANCE. ALL OTHER HOLES IAW IPC D275 SPEC'S PERFORMANCE CLASS 2.
4. BOW AND TWIST NOT TO EXCEED .5%.
5. FRONT TO BACK REGISTRATION TO BE WITHIN .005.
6. HOLES NOT DIMENSIONALLY LOCATED SHALL BE WITHIN .005 OF THE POSITION LOCATED ON THE MASTER DRAWING.
7. THE DIAMETER DIMENSION OF ALL PLATED THRU HOLES APPLY AFTER PLATING.
8. ELECTROPLATED COPPER SHALL BE USED FOR PLATED THRU HOLES, AND SHALL HAVE A MINIMUM THICKNESS OF .001 ON THE HOLE WALLS.
9. ALL EXTERNAL CONDUCTOR SURFACES SHALL BE IMMERSION GOLD PLATED:
- 10 SOLDER MASK BOTH SIDES USING RED RESIST IAW IPC-SM-840.
- 11 SILKSCREEN BOTH SIDES WITH WHITE NON CONDUCTIVE EPOXY BASED INK.
- 12 MARK DATE CODE AND MANUFACTURERS IDENTIFICATION ON SOLDER SIDE PER IPC RB 276.
- 13 PWB MUST BE 100% ELECTRICALLY TESTED FOR SHORTS AND CONTINUITY.



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
.	20.0	PLATED	27
■	40.0	PLATED	10
◆	43.0	PLATED	2
◌	45.0	PLATED	8
⊗	43.0	NON-PLATED	2

LAYER STRUCTURE IS AS FOLLOWS:

TOP (COMPONENT SIDE)

\_\_\_\_\_ silkt  
 \_\_\_\_\_ smask t  
 \_\_\_\_\_ top  
 \_\_\_\_\_ bottom  
 \_\_\_\_\_ smask  
 \_\_\_\_\_ silk b

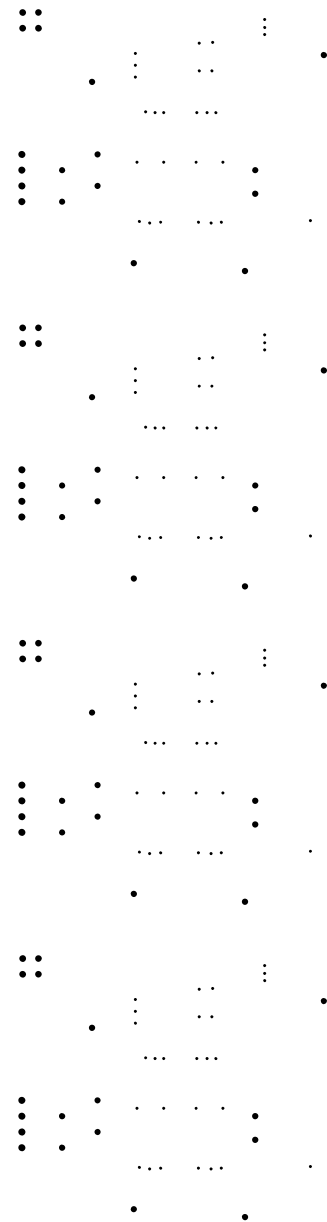
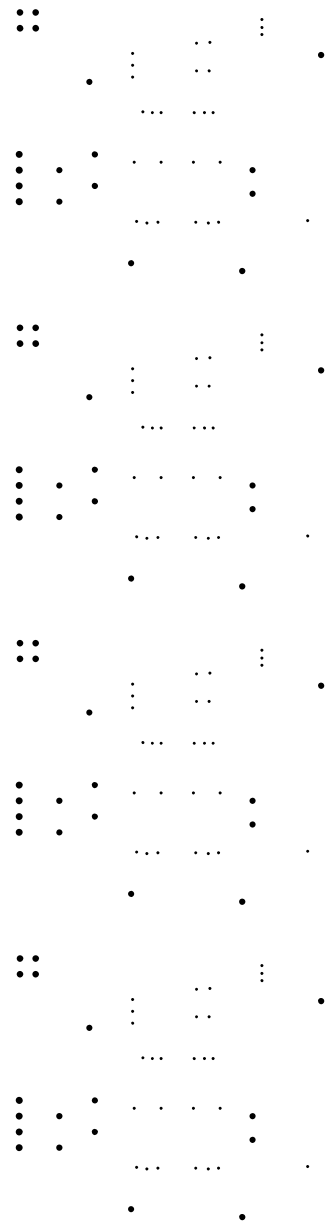
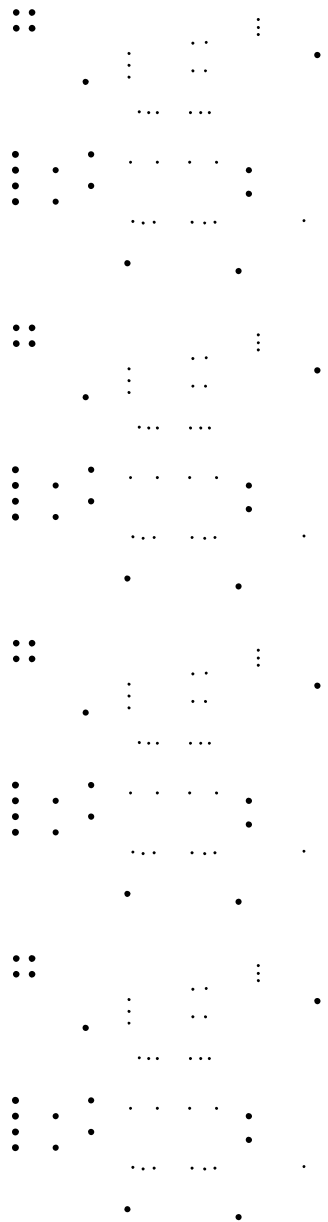
FAB DRW

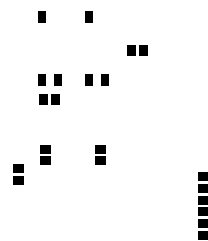
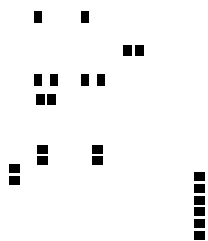
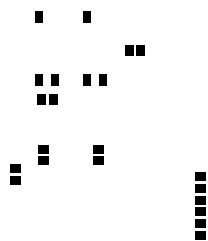
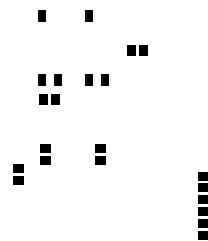
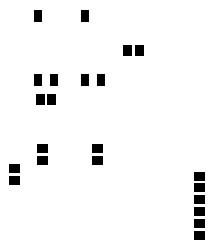
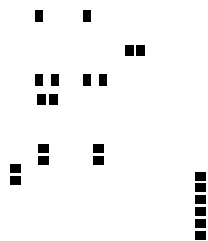
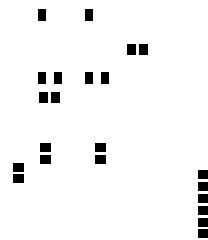
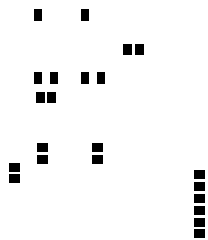
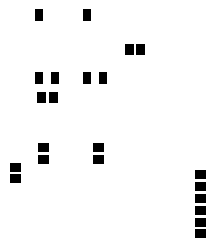
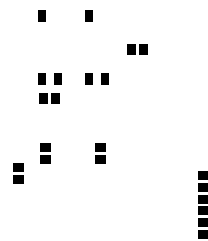
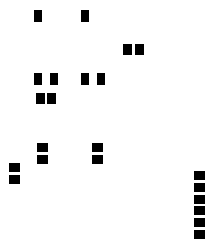
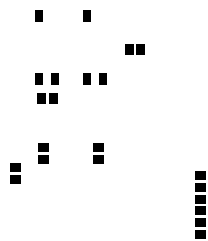
UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
ADDED ON BOTTOM SIDE\*\*


BOARD OUTLINE  
 NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
 Immersion Gold FINISH\*\*  
 FR4 170TG MATERIAL\*\*  
 12 UP PER PANEL WITH V-scoring\*\*  
 MASK COLOR Red\*\*  
 BOTH SIDES SILKSCREEN\*\*  
 RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
 ADDED ON BOTTOM SIDE\*\*







TOP PASTE  
NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
Immersion Gold FINISH\*\*  
FR4 170TG MATERIAL\*\*  
12 UP PER PANEL WITH V-scoring\*\*  
MASK COLOR Red\*\*  
BOTH SIDES SILKSCREEN\*\*  
RoHS COMPLIANCE\*\*

UL LOGO, DATE CODE & VENDOR MARKINGS ARE TO BE  
ADDED ON BOTTOM SIDE\*\*

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BOTTOM PASTE  
NEEDS UL LOGO, DATE CODE AND 100% E.T. AS PER PROVIDED NETLIST\*\*  
Immersion Gold FINISH\*\*  
FR4 170TG MATERIAL\*\*  
12 UP PER PANEL WITH V-scoring\*\*  
MASK COLOR Red\*\*  
BOTH SIDES SILKSCREEN\*\*  
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