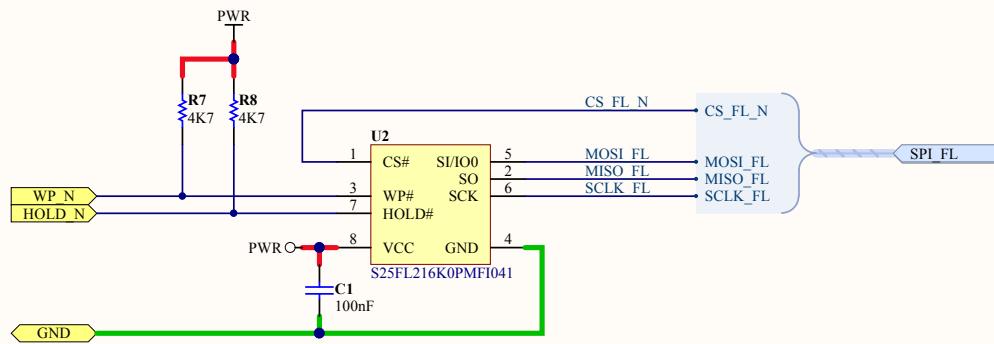


Power Supply 2V4 to 3V7

PWR — PWR



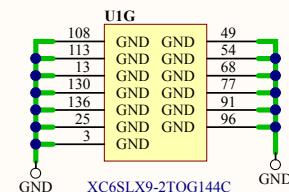
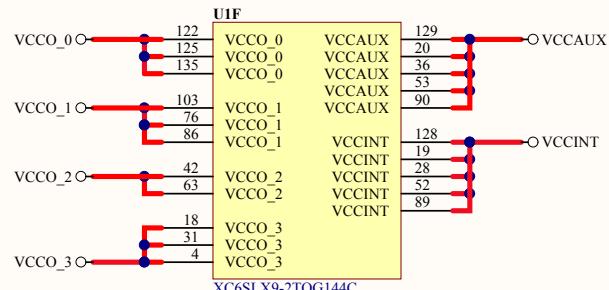
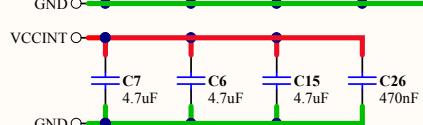
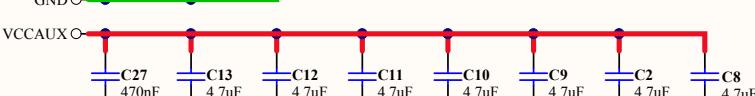
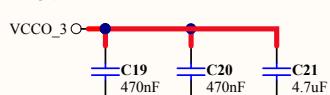
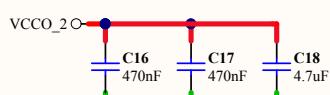
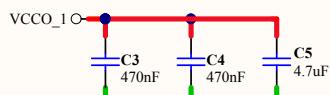
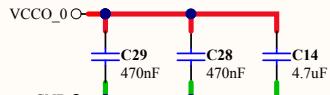
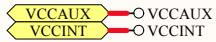
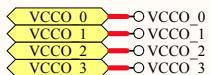
1

2

3

4

A



1

2

3

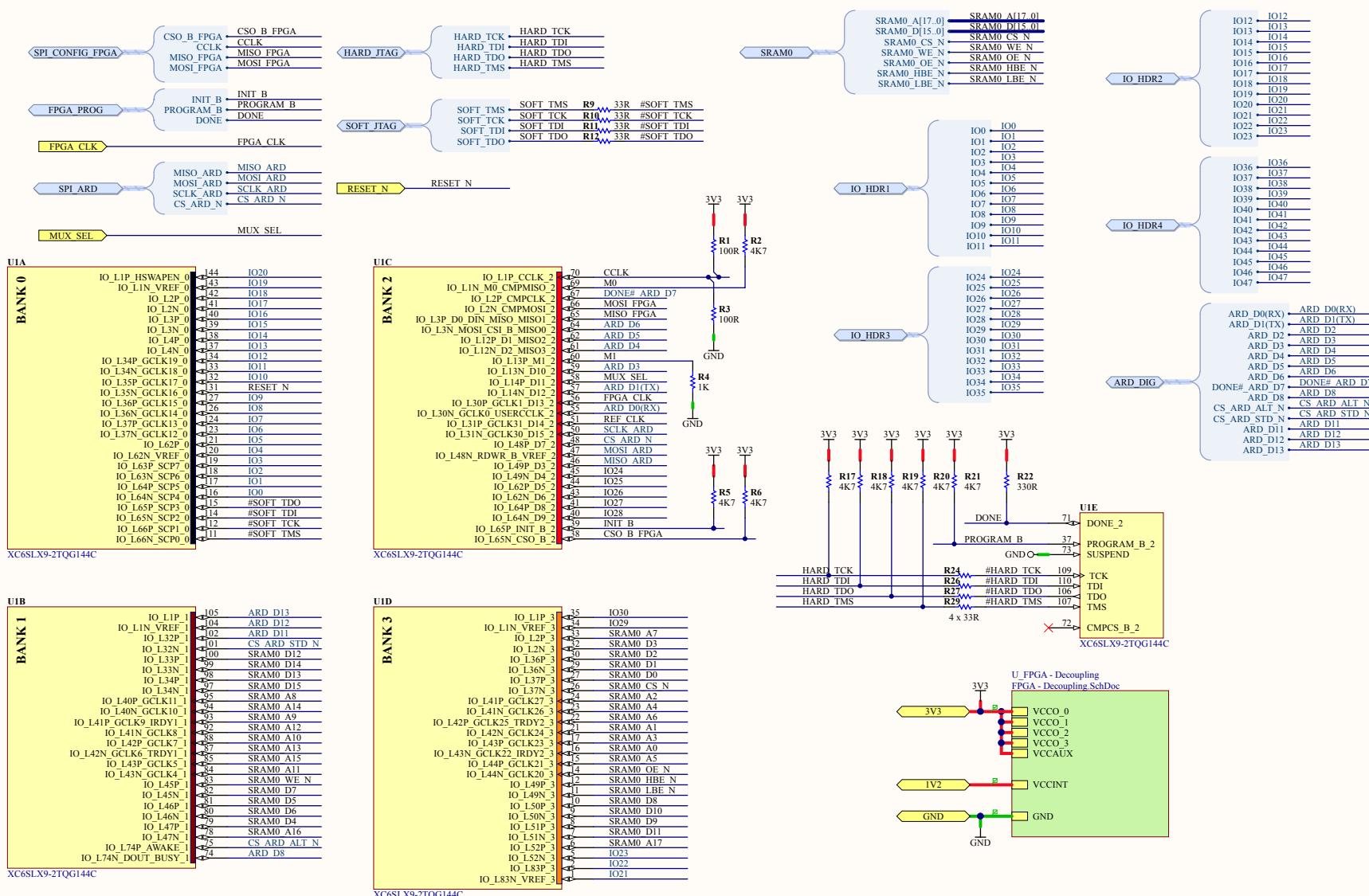
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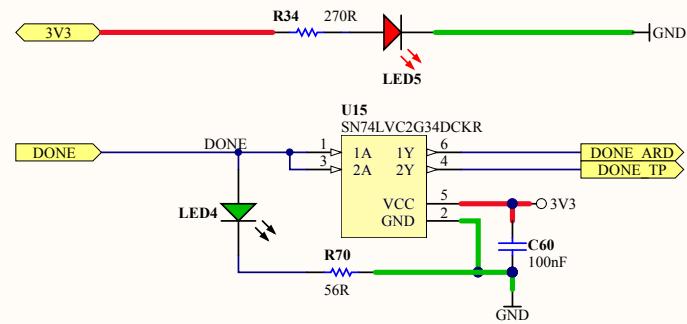
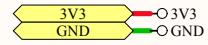
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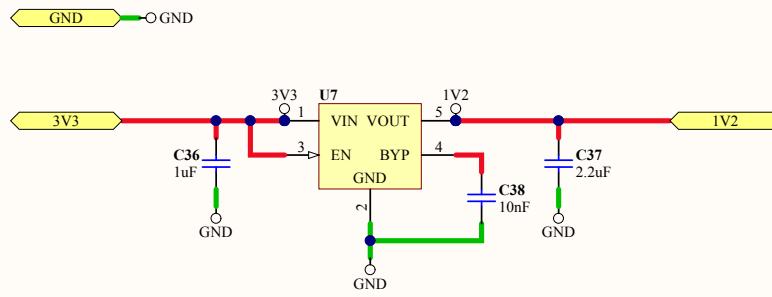
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C

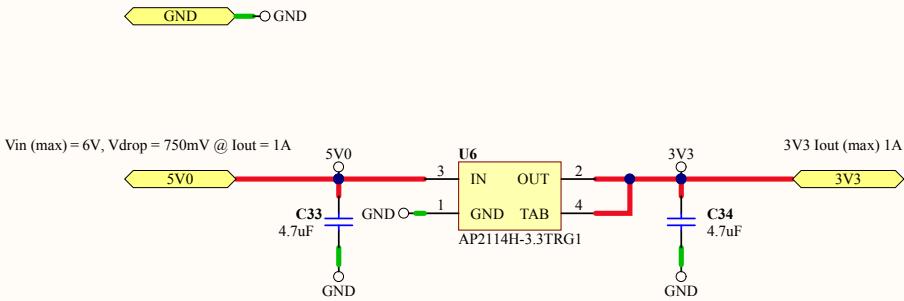
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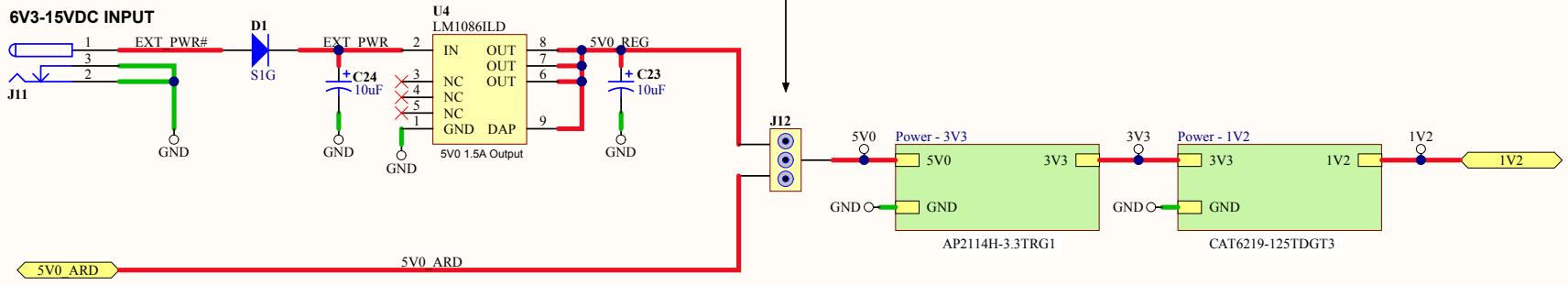
AP2114H - 3V3 Fixed Output Voltage Regulator (Imax = 1A)

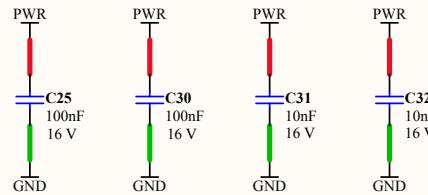
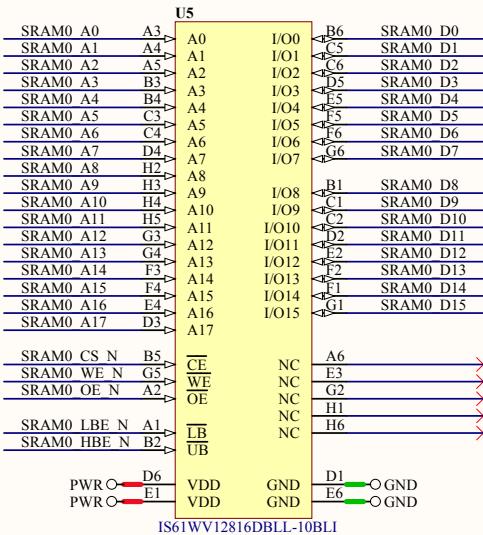
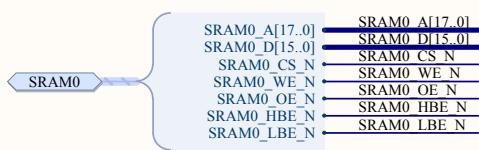
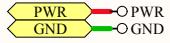


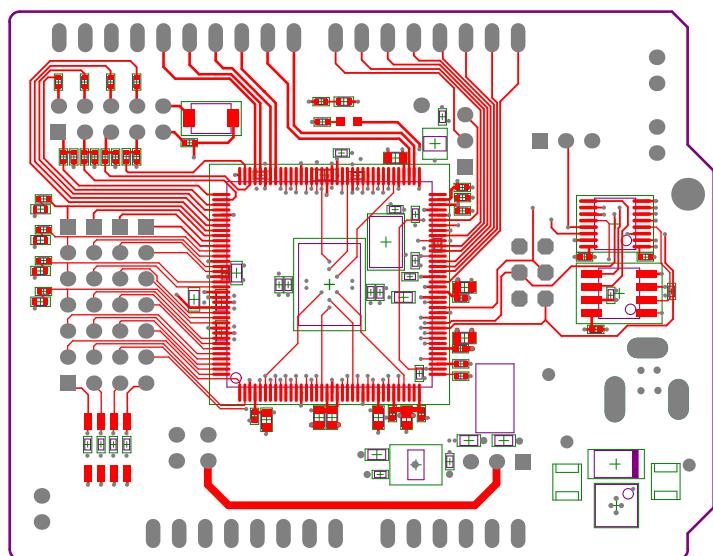


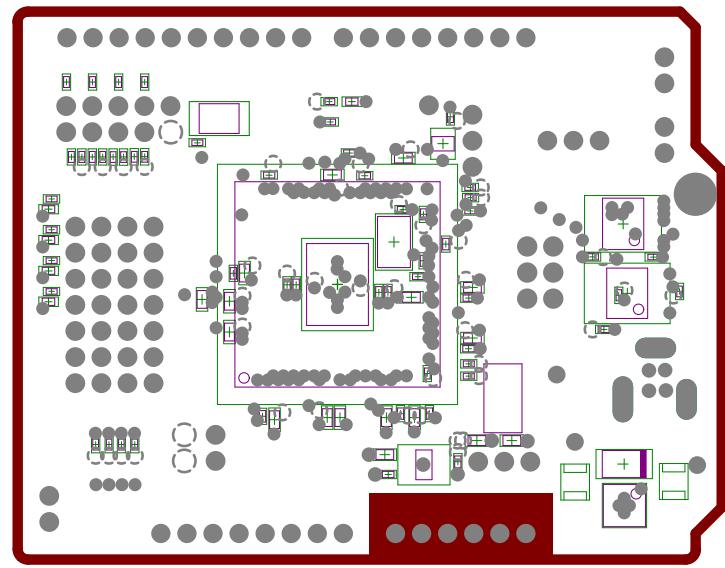
2-WAY JUMPER - POWER SUPPLY SELECT

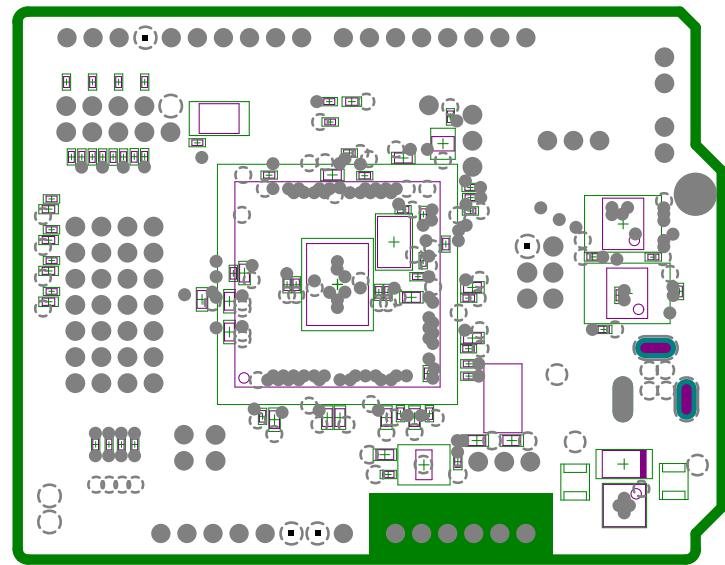
NOTE: Disconnect power adapter and arduino USB cable prior to changing jumper settings. Risk of electric shock or damage to board.





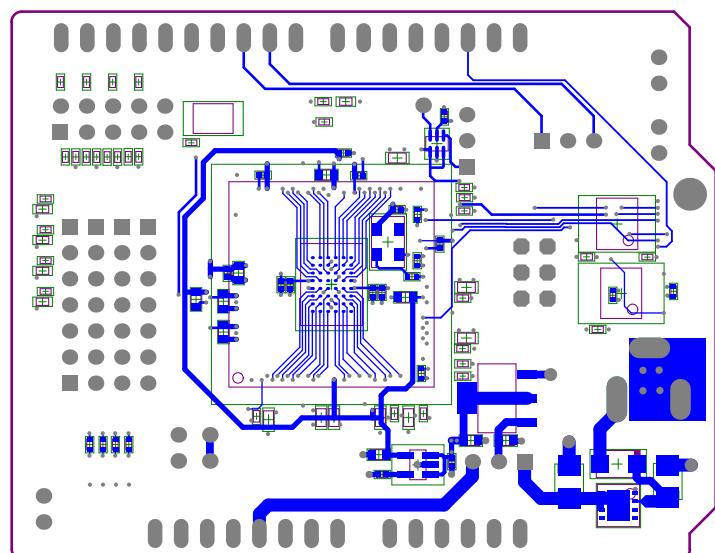






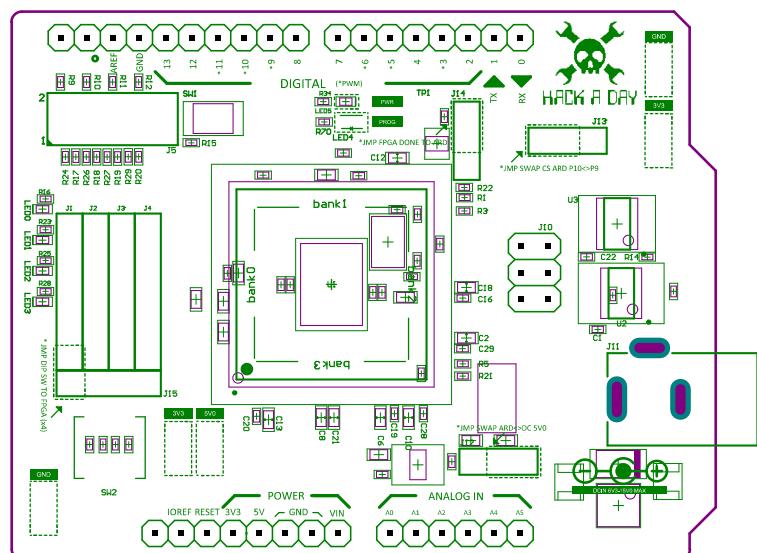
Unpopulated

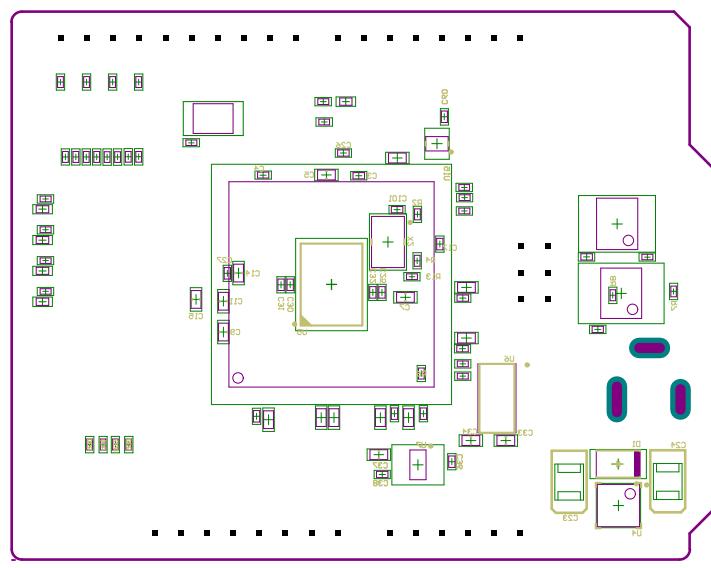
Pad Count: 516 Via Count: 223

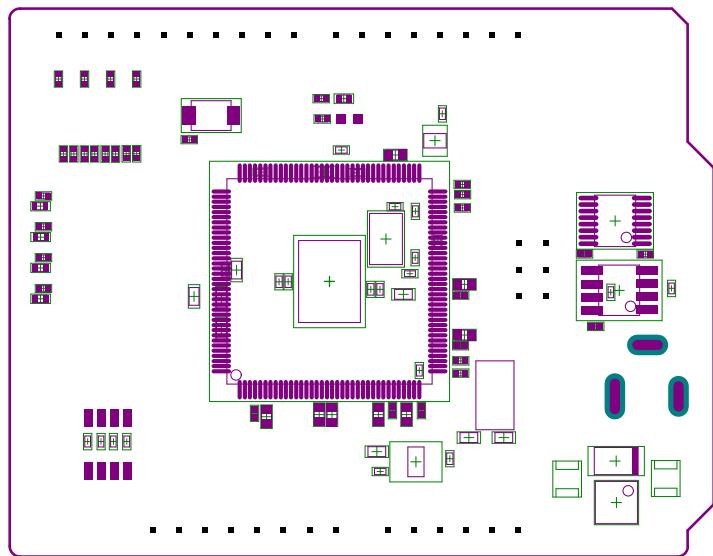


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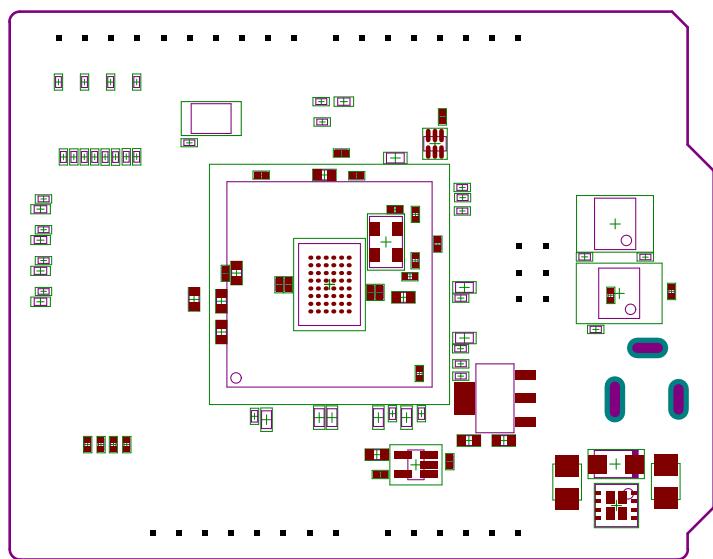


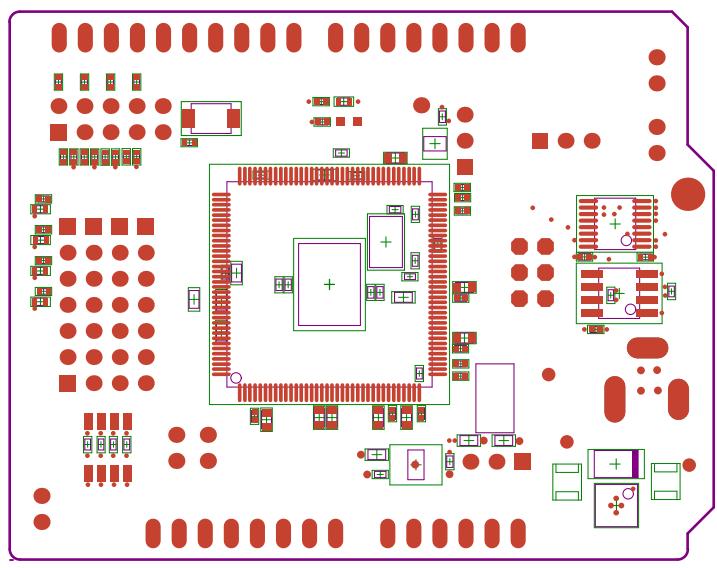


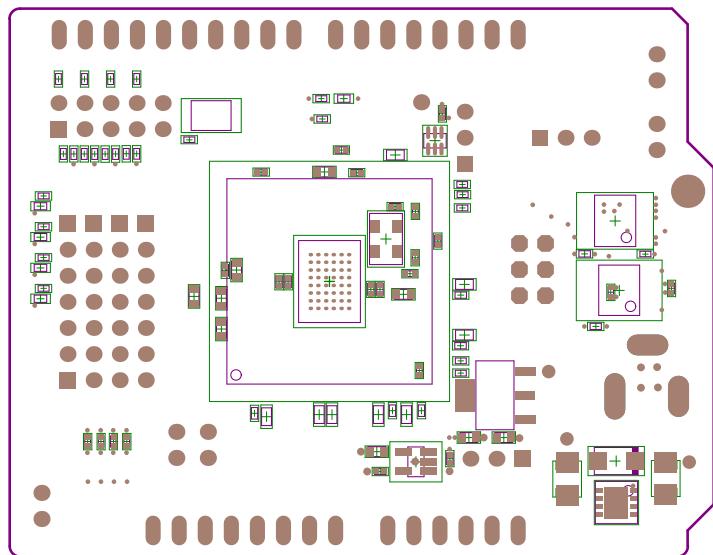


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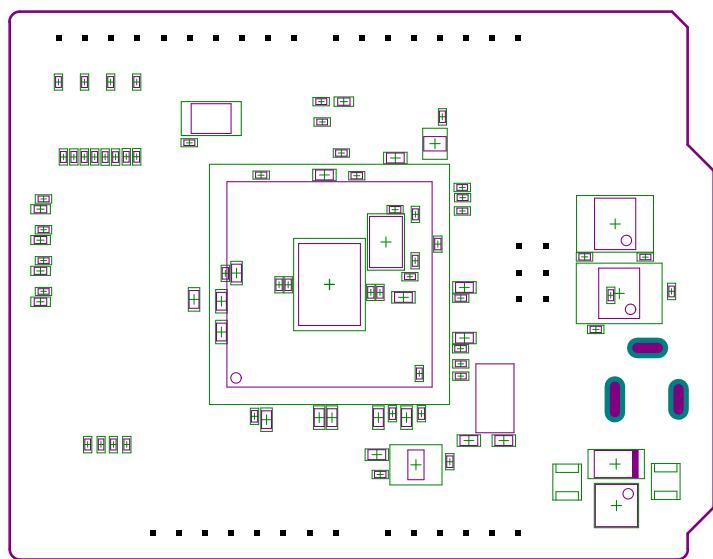




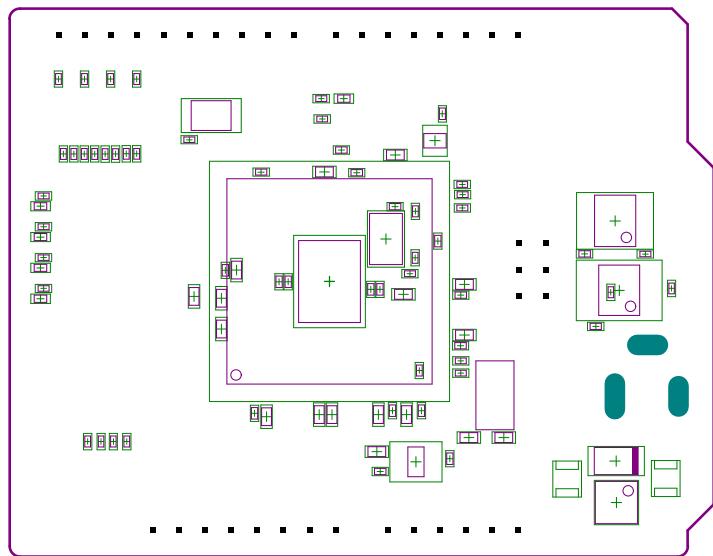


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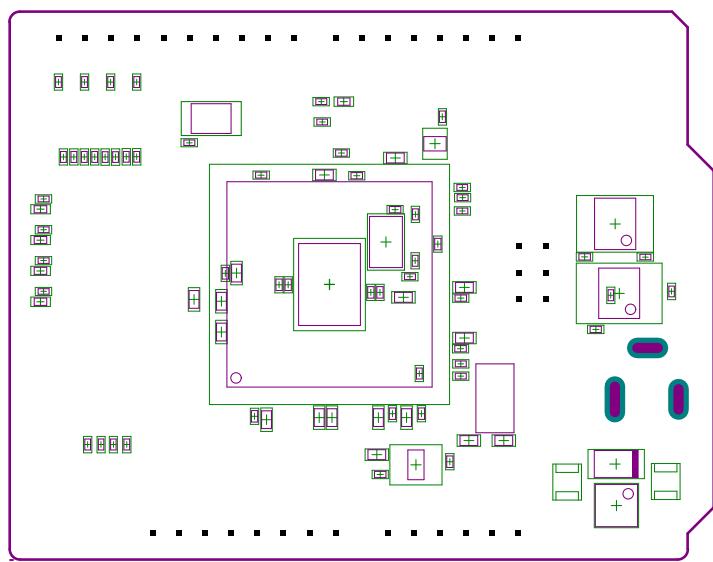


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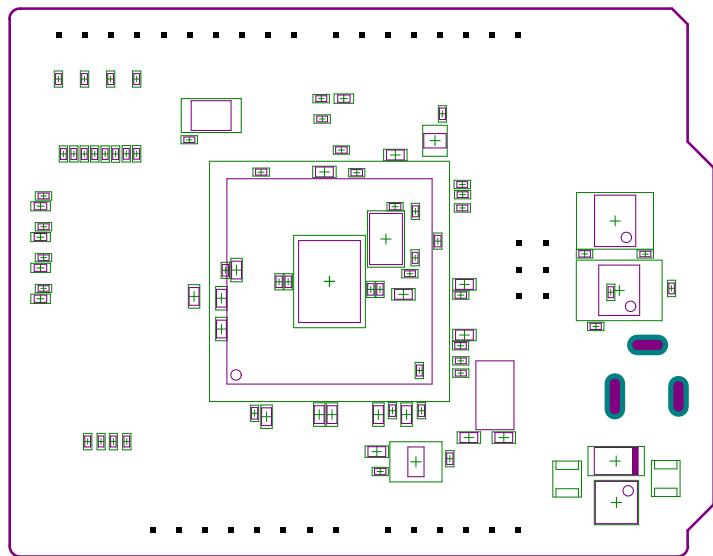


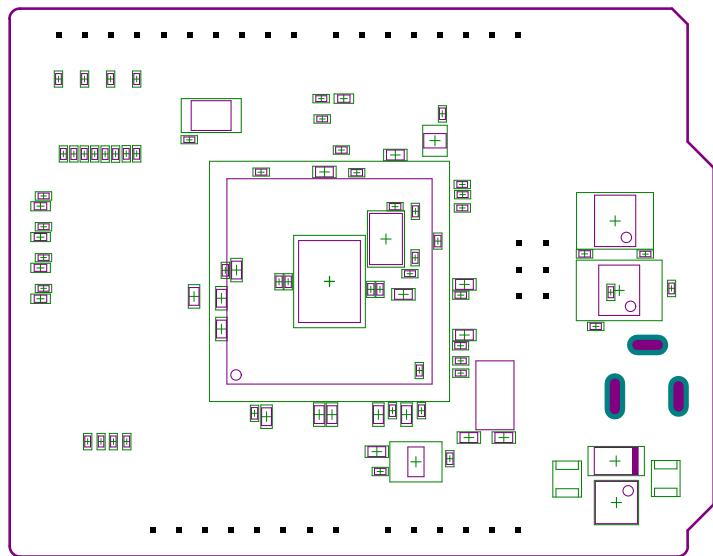
Microchip

Pad Counts: 516 Via Count: 223

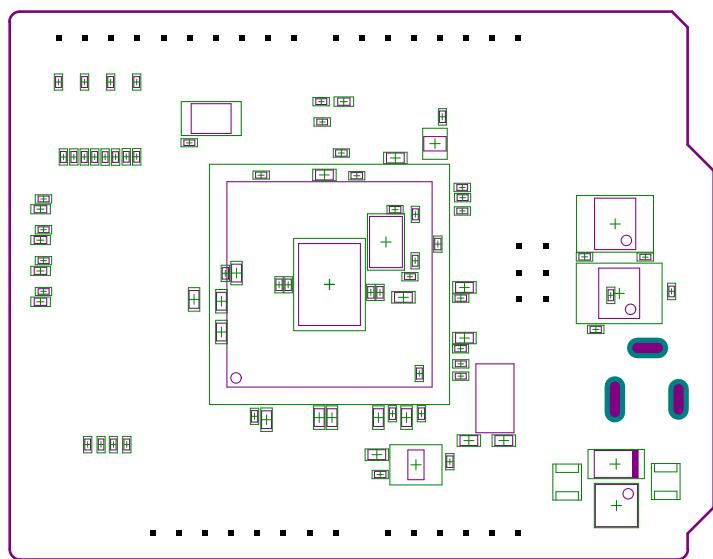


Pad Count: 516 Via Count: 223





Pad Count: 516 Via Count: 223

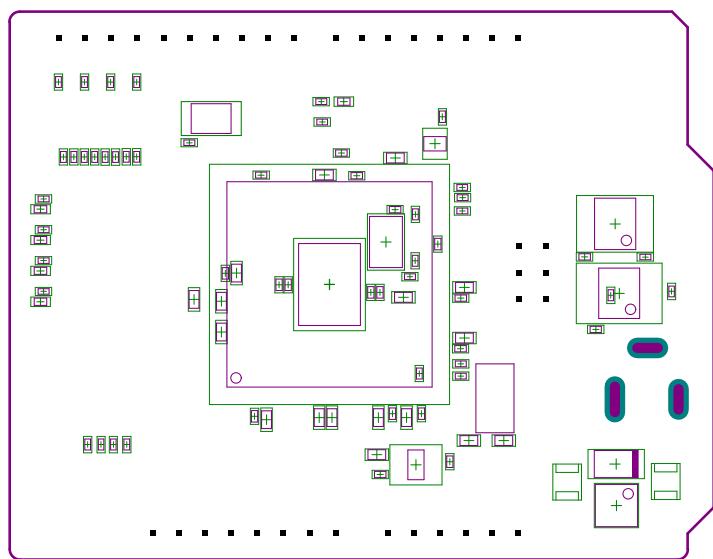


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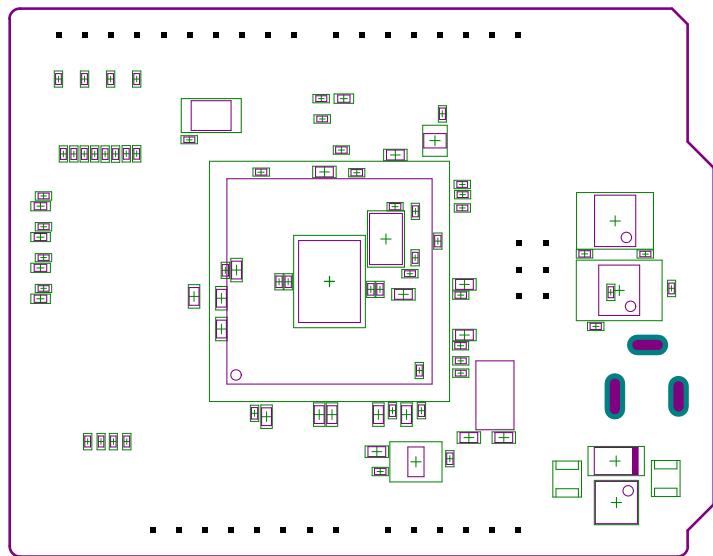
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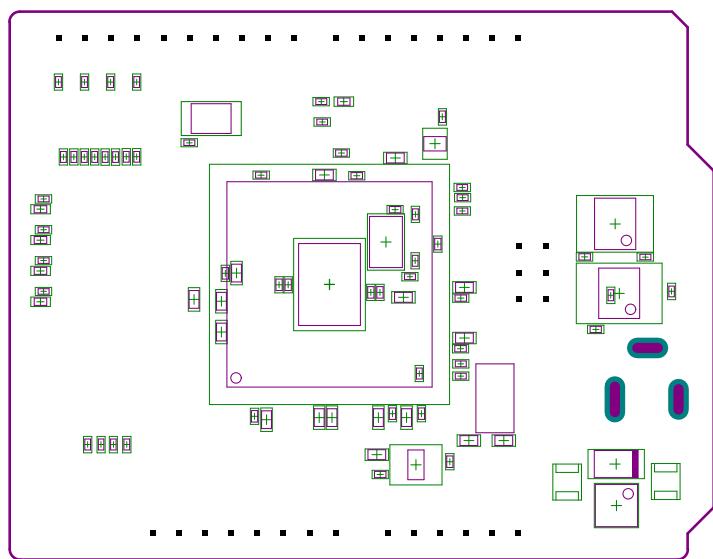
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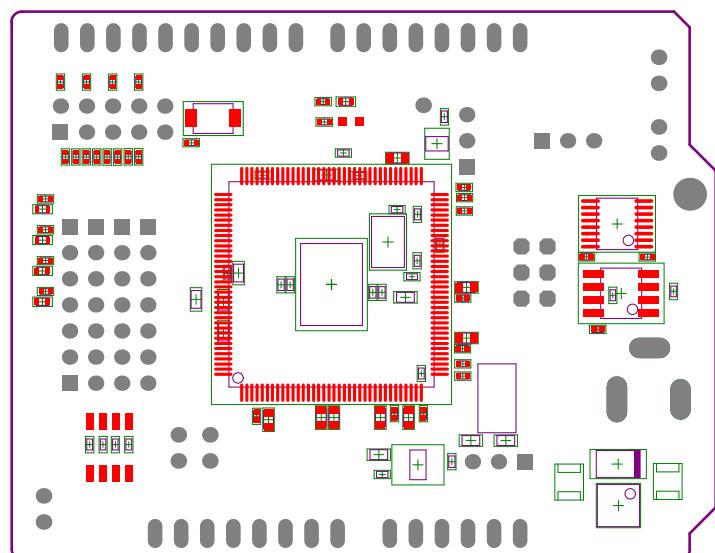
Pad Count: 516 Via Count: 223



Pad Count: 516 Via Count: 223

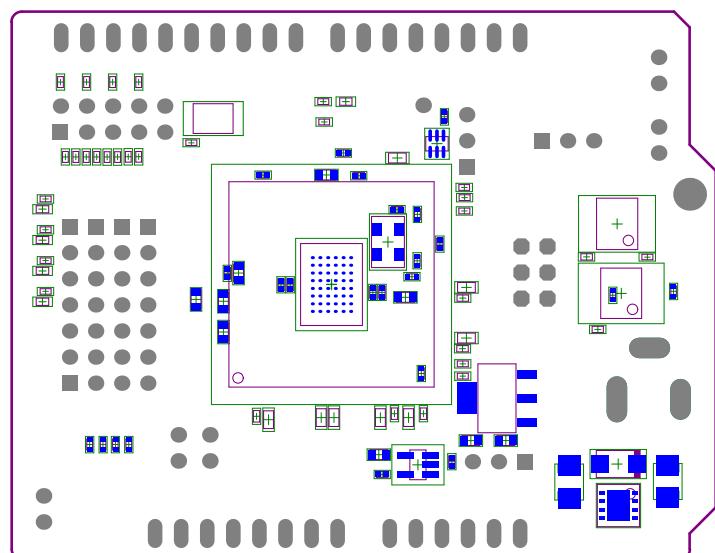


Pad Counts: 516 Via Count: 223



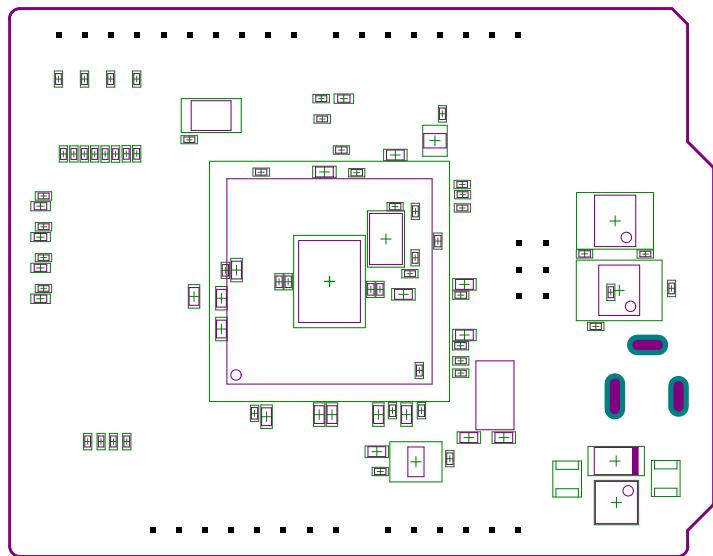
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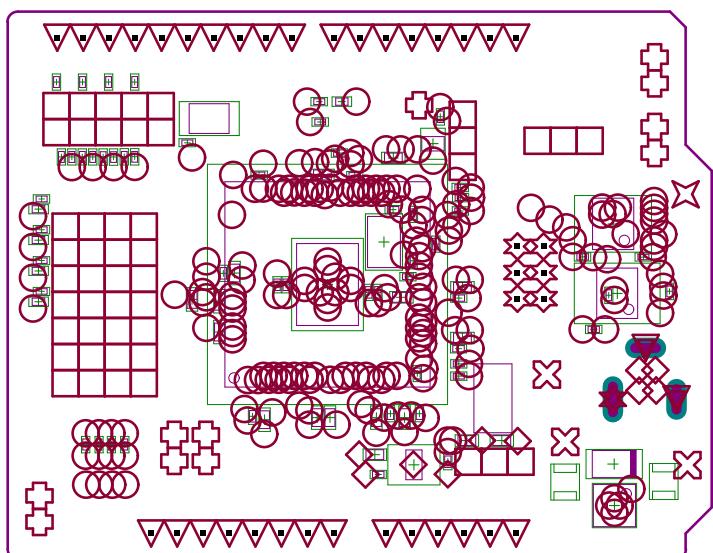
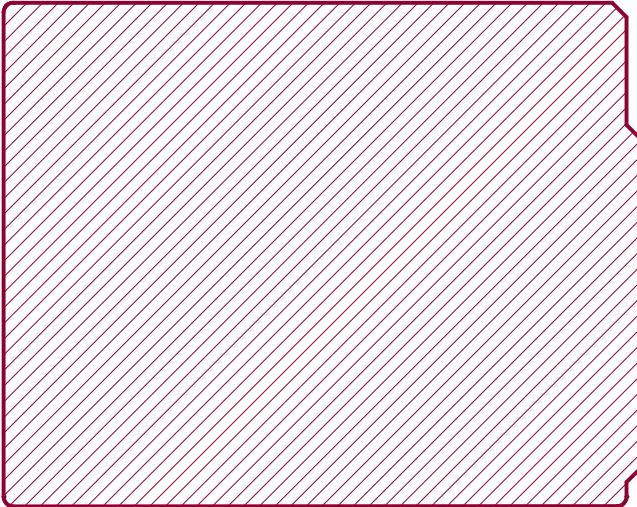


Unpopulated

Pad Count: 516 Via Count: 223



Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Paste				
2	Top Overlay				
3	Top Solder	Solder Resist	0.40mil	3.5	
4	Top	Copper	1.38mil		
5	Dielectric 1	FR-4	59.05mil	4.8	
6	PWR	Copper	1.42mil		
7	Dielectric 4		5.00mil	4.2	
8	GND	Copper	1.42mil		
9	Dielectric 2		10.00mil	4.2	
10	Bottom	Copper	1.38mil		
11	Bottom Solder	Solder Resist	0.40mil	3.5	
12	Bottom Overlay				
13	Bottom Paste				



Pad Counts: 516 Via Count: 223

Symbol	Hit Count	Finished Hole Size	Plated	Hole Type	Physical Length	Rout Path Length
★	1	39.37mil (1.000mm)	PTH	Slot	137.80mil (3,500mm)	98.43mil (2,500mm)
▼	2	39.37mil (1.000mm)	PTH	Slot	118.11mil (3,000mm)	78.74mil (2,000mm)
○	210	10.00mil (0.254mm)	PTH	Round		
◊	10	16.00mil (0.406mm)	PTH	Round		
☒	3	28.00mil (0.711mm)	PTH	Round		
▽	32	34.00mil (0.864mm)	PTH	Round		
□	47	35.43mil (0.900mm)	PTH	Round		
▢	11	35.50mil (0.902mm)	PTH	Round		
✿	6	38.00mil (0.965mm)	PTH	Round		
☒	1	126.00mil (3.200mm)	PTH	Round		
323 Total						

