

NOTES (Unless otherwise specified)


PCB MATERIAL	FR4 or similar
SOLDER	ENIG per IPC-4552
WASHABLE	YES
COPPER WEIGHT FOR OUTER LAYERS	1oz
PCB PLATING	ENIG per IPC-4552
VIA SIZE	See Drill Table
VIA IN PAD	NO
VIA FILL	NO
VIA TENTING	BOTH SIDES
SOLDER MASK COLOR	GRAY
SILK SCREEN COLOR	WHITE
ACCEPTANCE	IPC-A-600 Class II
PCB FINISH	IPC-4552

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber	Dk
	Top Overlay			Legend	GTO	
Surface Material	Top Solder	0.010mm	Solder Resist	Solder Mask	GTS	3.5
Copper	Top Layer	0.036mm		Signal	GTL	
		1.500mm	FR-4	Dielectric		4.8
Copper	Bottom Layer	0.036mm		Signal	GBL	
Surface Material	Bottom Solder	0.010mm	Solder Resist	Solder Mask	GBS	3.5
	Bottom Overlay			Legend	GBO	
Total thickness: 1.591mm						

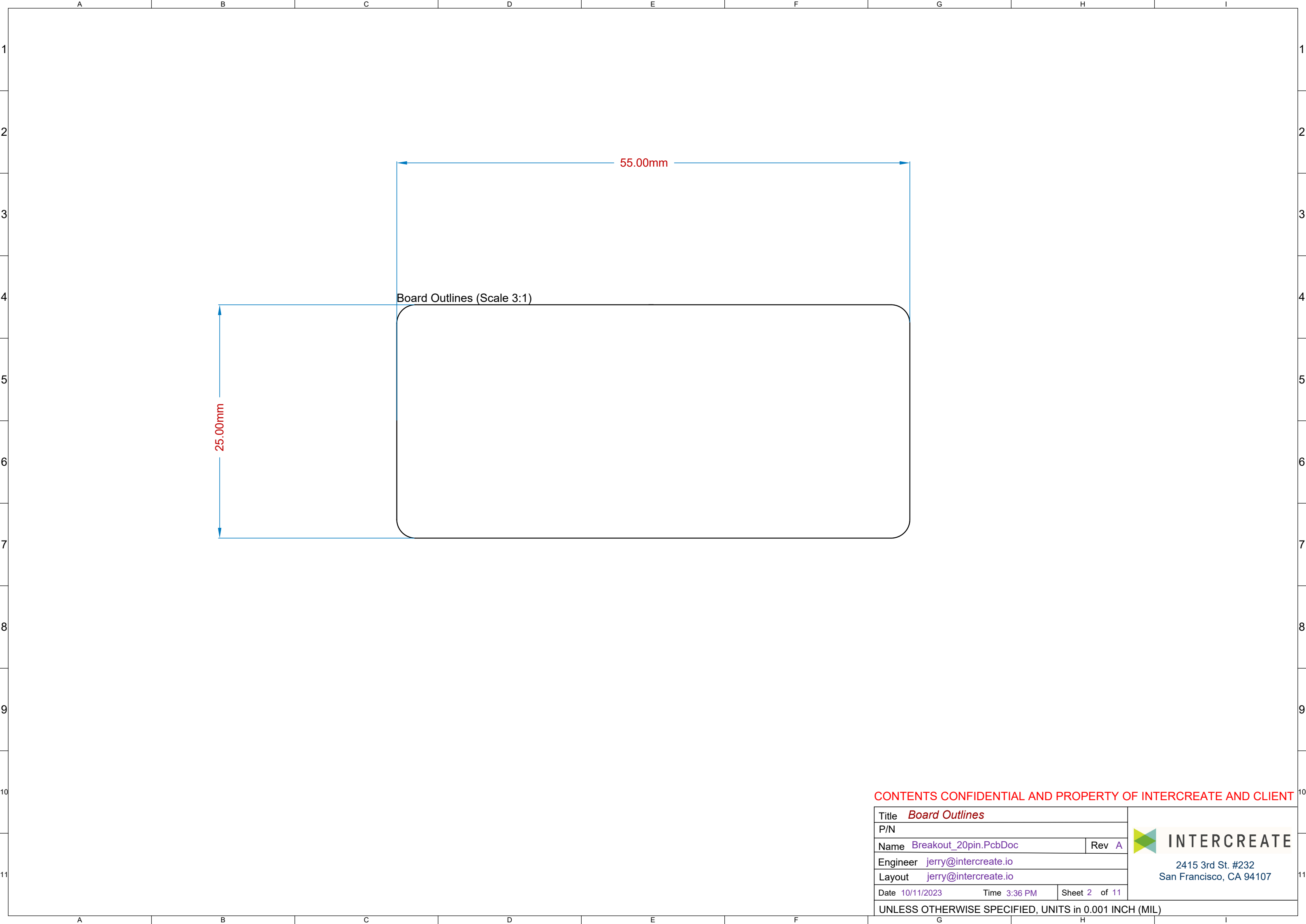
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Title	FABRICATION DRAWING	
P/N		
Name	Breakout_20pin.PcbDoc	Rev A
Engineer	jerry@intercreate.io	
Layout	jerry@intercreate.io	
Date	10/11/2023	Time 3:36 PM
	Sheet 1	of 11
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INTERCREATE

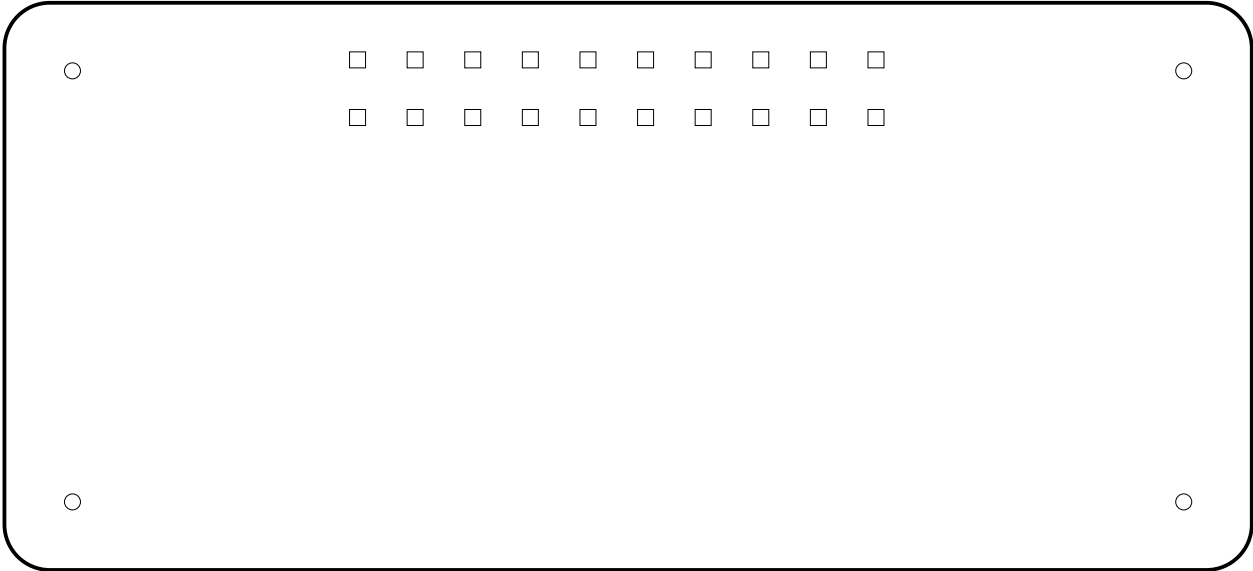
2415 3rd St. #232
San Francisco, CA 94107



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Title <i>Board Outlines</i>			 <div>INTERCREATE</div> <div>2415 3rd St. #232 San Francisco, CA 94107</div>
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Name Breakout_20pin.PcbDoc	Rev A		
Engineer jerry@intercreate.io			
Layout jerry@intercreate.io			
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Drill Drawing View (Scale 3:1)



Drill Table

Symbol	Count	Hole Size	Plated
□	20	40.158mil	Plated
○	4	98.425mil	Plated
	24 Total		

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Title <i>DRILL DRAWING</i>			 INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107
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Name Breakout_20pin.PcbDoc	Rev	A	
Engineer jerry@intercreate.io			
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Top Overlay (Scale 3:1)

2 4 6 8 10 12 14 16 18 20

1 3 5 7 9 11 13 15 17 19

INTERCREATE


20 pin

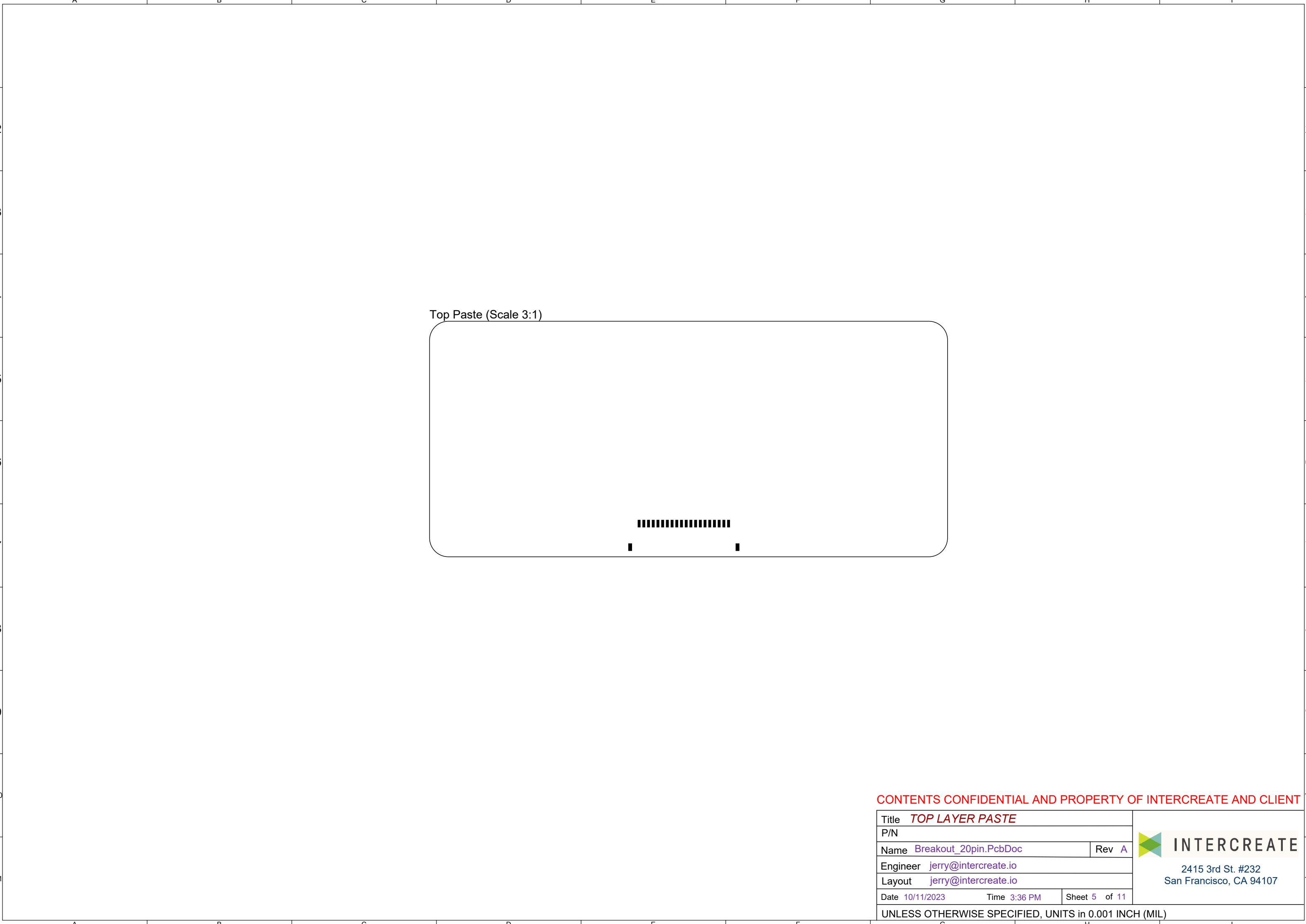
1

20


0.5mm - TOP
1.0mm - BOT

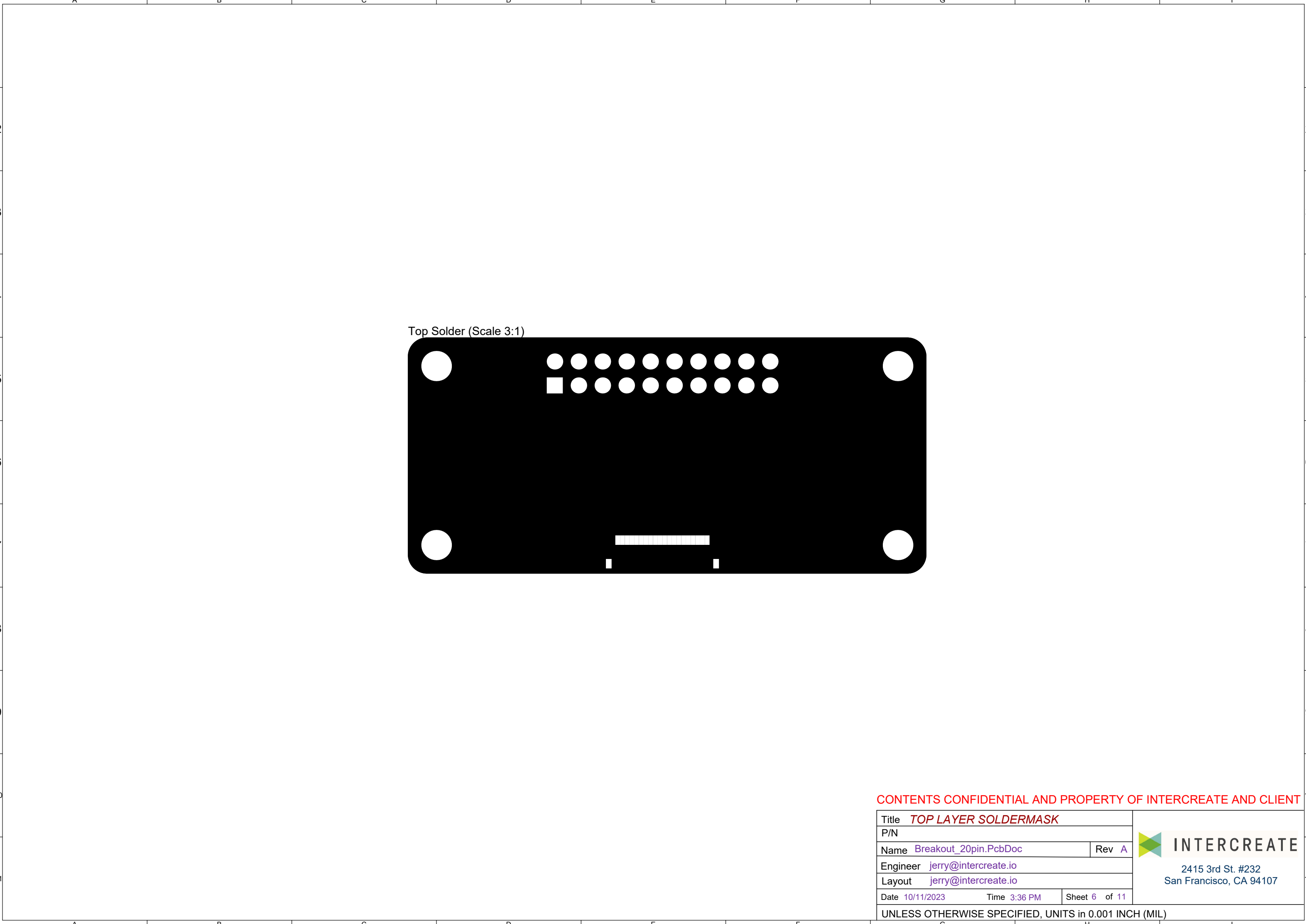
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Title <i>TOP LAYER SILKSCREEN</i>			 INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107
P/N			
Name <i>Breakout_20pin.PcbDoc</i>	Rev <i>A</i>		
Engineer <i>jerry@intercreate.io</i>			
Layout <i>jerry@intercreate.io</i>			
Date <i>10/11/2023</i>	Time <i>3:36 PM</i>	Sheet <i>4</i> of <i>11</i>	
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Title <i>TOP LAYER PASTE</i>			 INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107
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Name <i>Breakout_20pin.PcbDoc</i>	Rev <i>A</i>		
Engineer <i>jerry@intercreate.io</i>			
Layout <i>jerry@intercreate.io</i>			
Date <i>10/11/2023</i>	Time <i>3:36 PM</i>	Sheet <i>5</i> of <i>11</i>	
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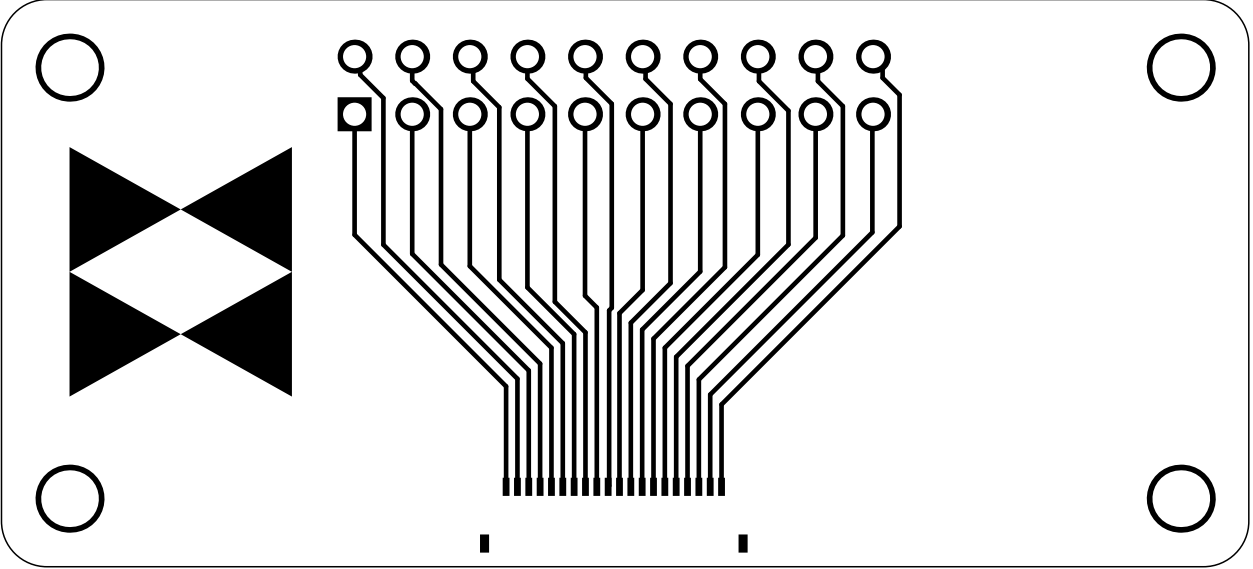


Top Solder (Scale 3:1)


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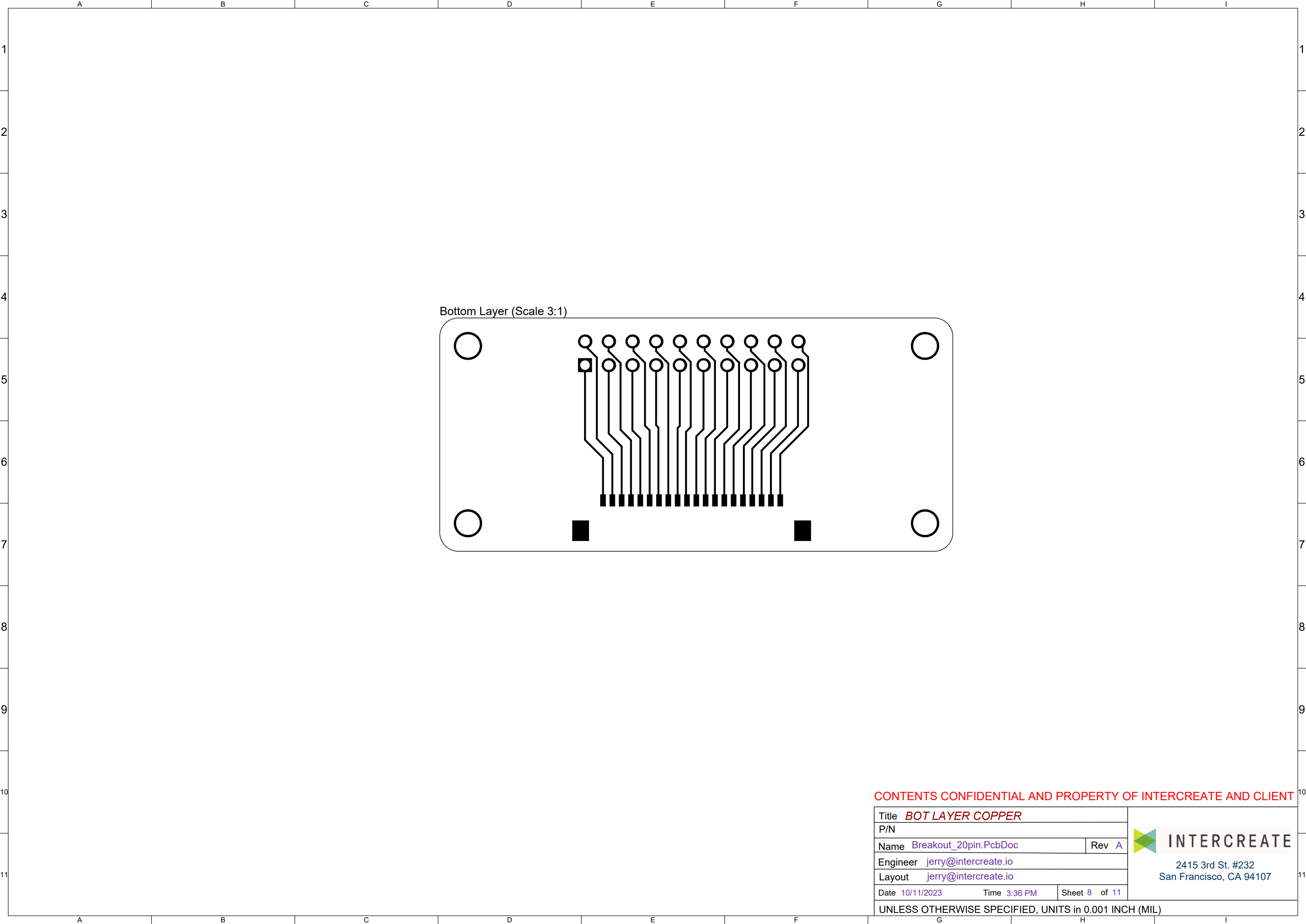
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P/N			
Name <i>Breakout_20pin.PcbDoc</i>	Rev <i>A</i>		
Engineer <i>jerry@intercreate.io</i>			
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Top Layer (Scale 3:1)

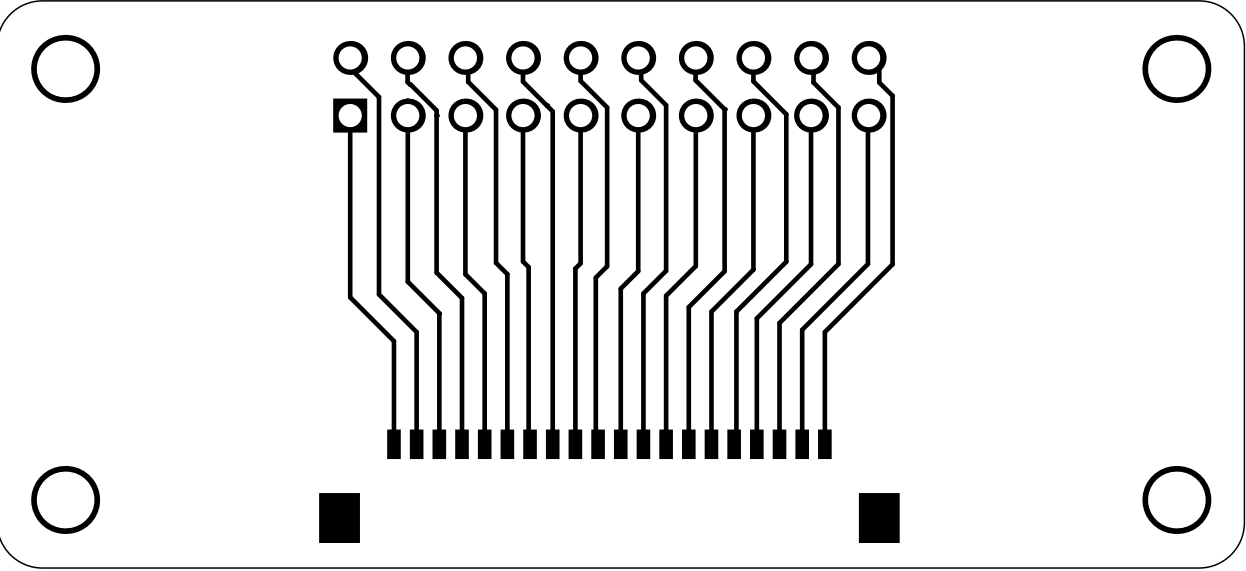


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Engineer <i>jerry@intercreate.io</i>			
Layout <i>jerry@intercreate.io</i>			
Date <i>10/11/2023</i>	Time <i>3:36 PM</i>	Sheet <i>7</i> of <i>11</i>	
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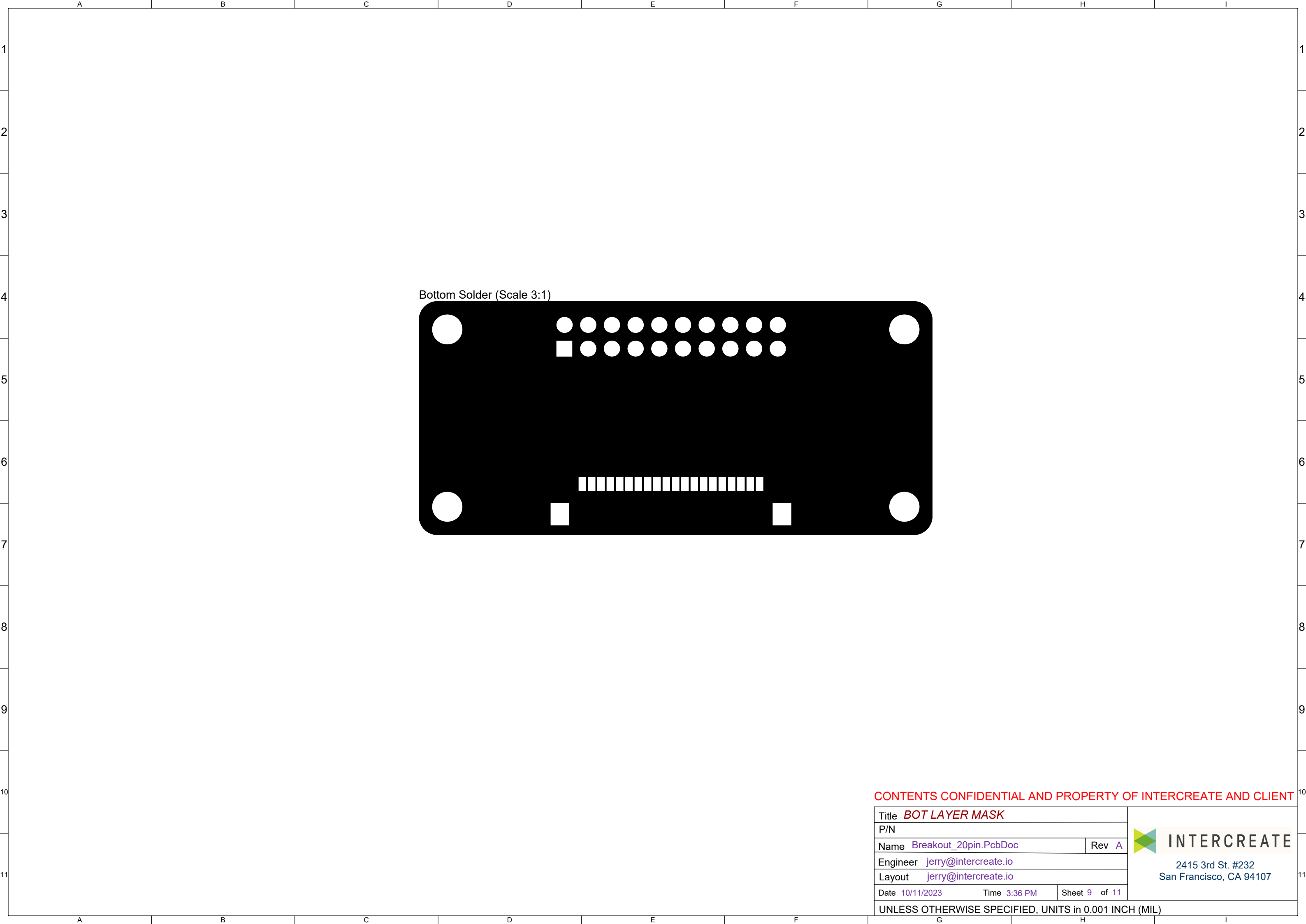


Bottom Layer (Scale 3:1)

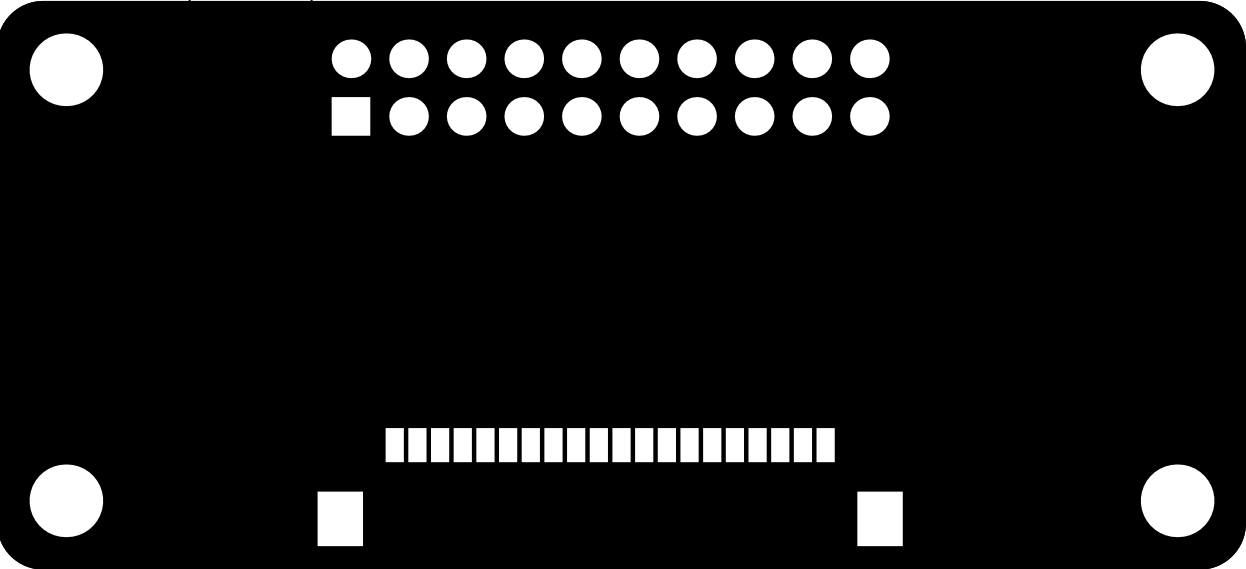


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Engineer jerry@intercreate.io			
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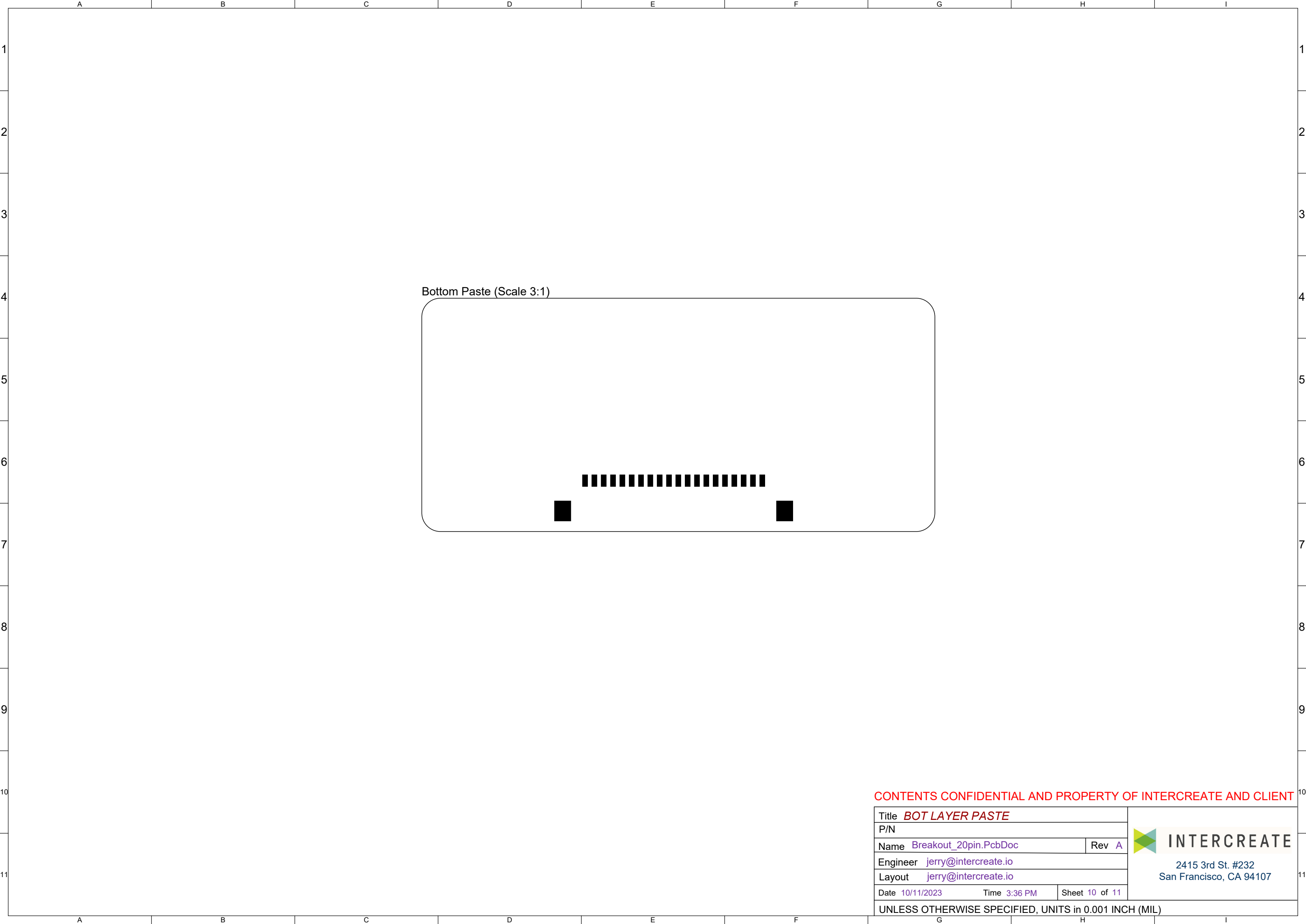


Bottom Solder (Scale 3:1)




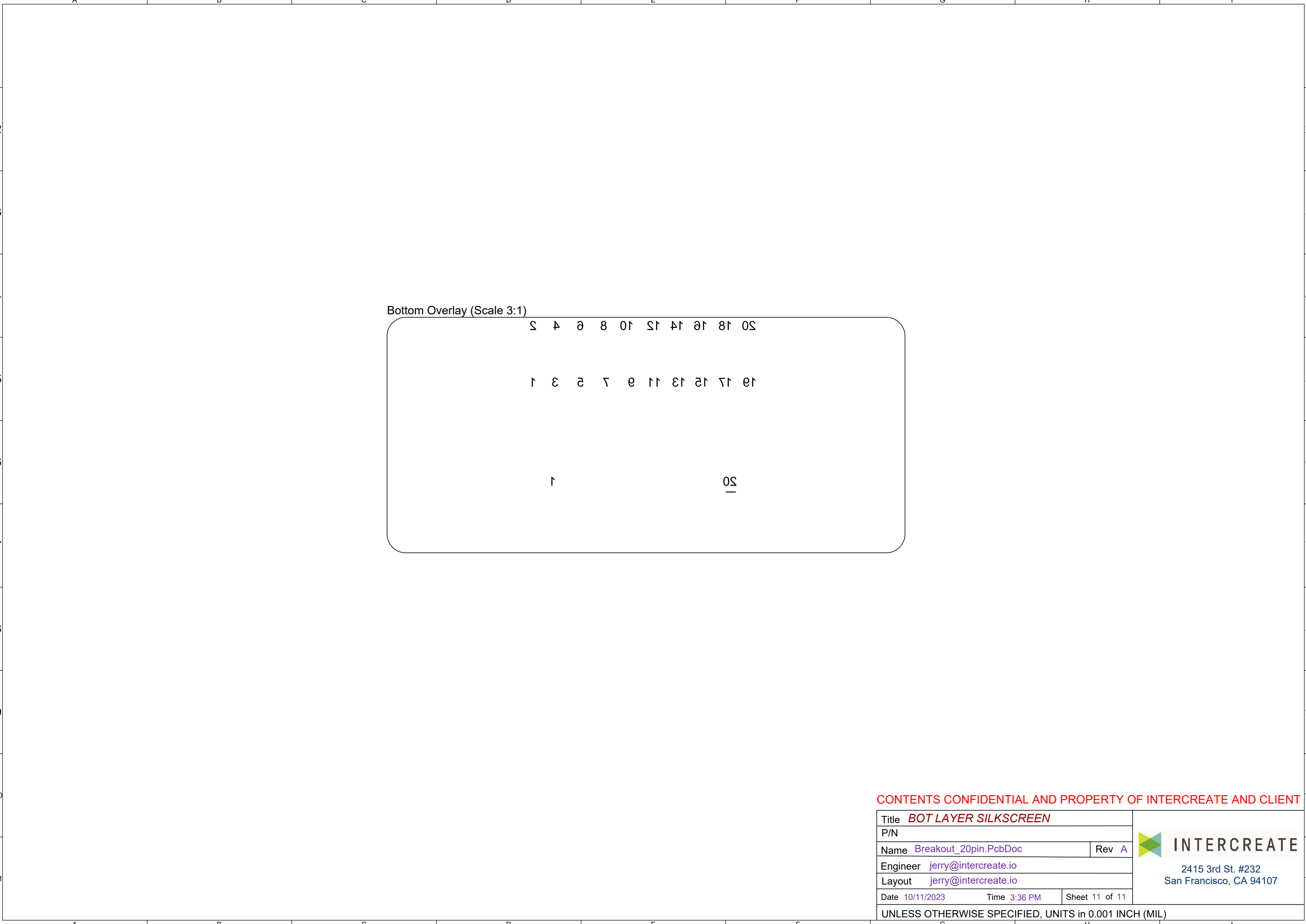
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Title <i>BOT LAYER MASK</i>			 INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107	
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Engineer jerry@intercreate.io				
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Name Breakout_20pin.PcbDoc	Rev A		
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Name <i>Breakout_20pin.PcbDoc</i>	Rev	<i>A</i>	
Engineer <i>jerry@intercreate.io</i>			
Layout <i>jerry@intercreate.io</i>			
Date <i>10/11/2023</i>	Time <i>3:36 PM</i>	Sheet <i>11</i> of <i>11</i>	
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