


NOTES (Unless otherwise specified)

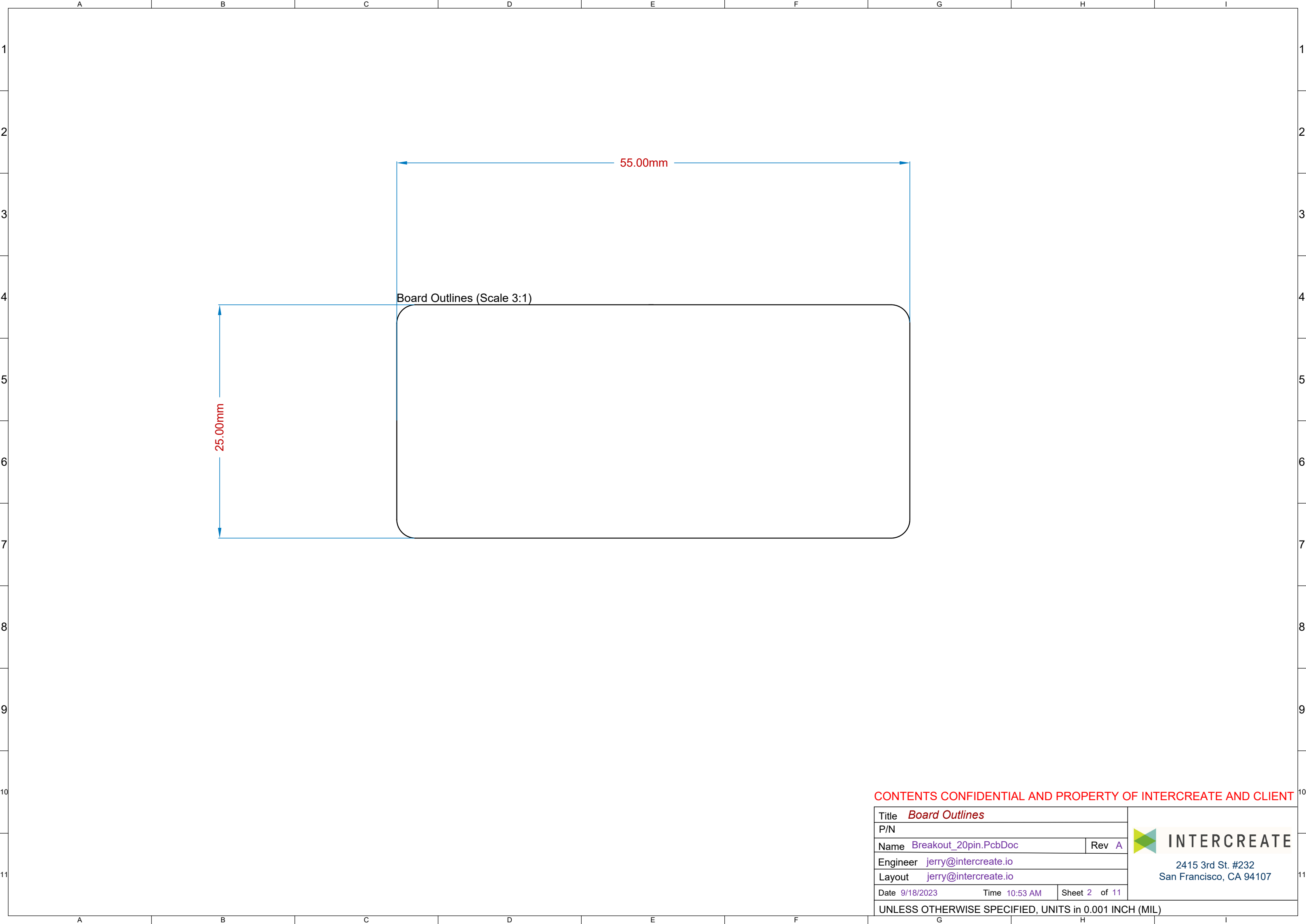
PCB MATERIAL	FR4 or similar
SOLDER	ENIG per IPC-4552
WASHABLE	YES
COPPER WEIGHT FOR OUTER LAYERS	1oz
PCB PLATING	ENIG per IPC-4552
VIA SIZE	See Drill Table
VIA IN PAD	NO
VIA FILL	NO
VIA TENTING	BOTH SIDES
SOLDER MASK COLOR	GRAY
SILK SCREEN COLOR	WHITE
ACCEPTANCE	IPC-A-600 Class II
PCB FINISH	IPC-4552

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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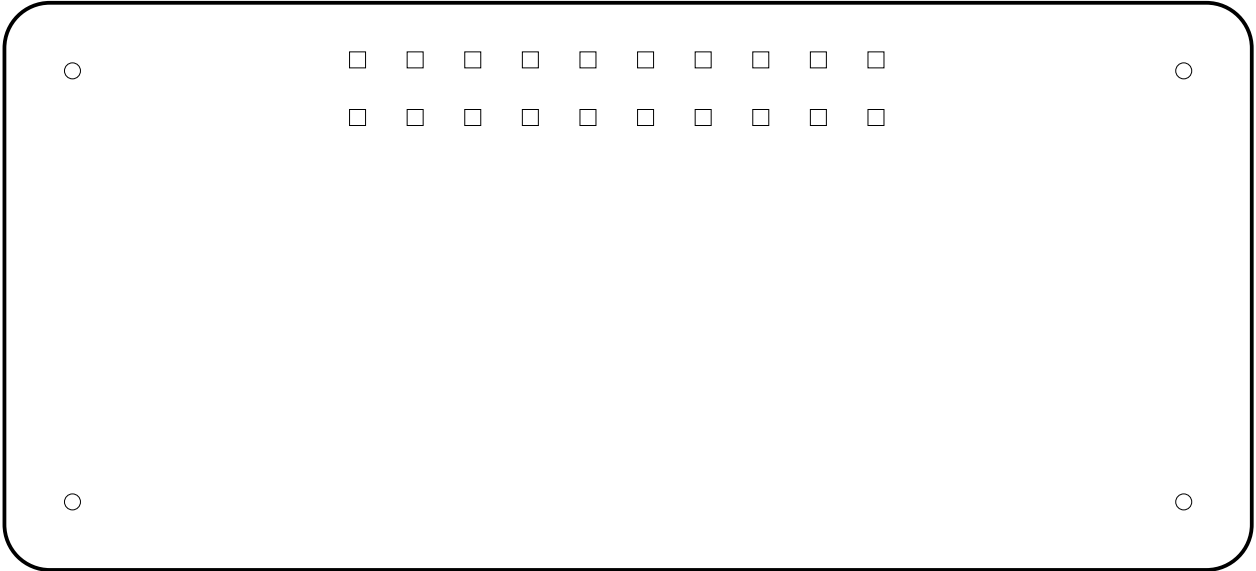
Title <b>FABRICATION DRAWING</b>			 <b>INTERCREATE</b>  2415 3rd St. #232 San Francisco, CA 94107	
P/N				
Name Breakout_20pin.PcbDoc	Rev A			
Engineer jerry@intercreate.io				
Layout jerry@intercreate.io				
Date 9/18/2023	Time 10:53 AM	Sheet 1 of 11		
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)				



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Title <i>Board Outlines</i>			 <b>INTERCREATE</b>  2415 3rd St. #232 San Francisco, CA 94107
P/N			
Name Breakout_20pin.PcbDoc	Rev	A	
Engineer jerry@intercreate.io			
Layout jerry@intercreate.io			
Date 9/18/2023	Time 10:53 AM	Sheet 2 of 11	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			


Drill Drawing View (Scale 3:1)



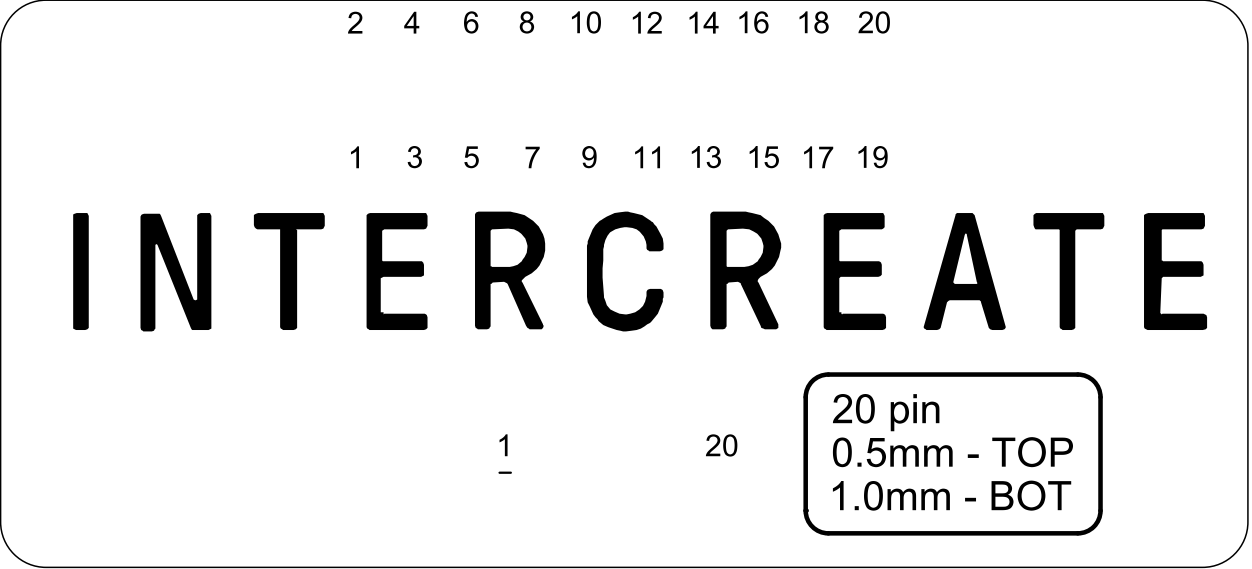
Drill Table

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


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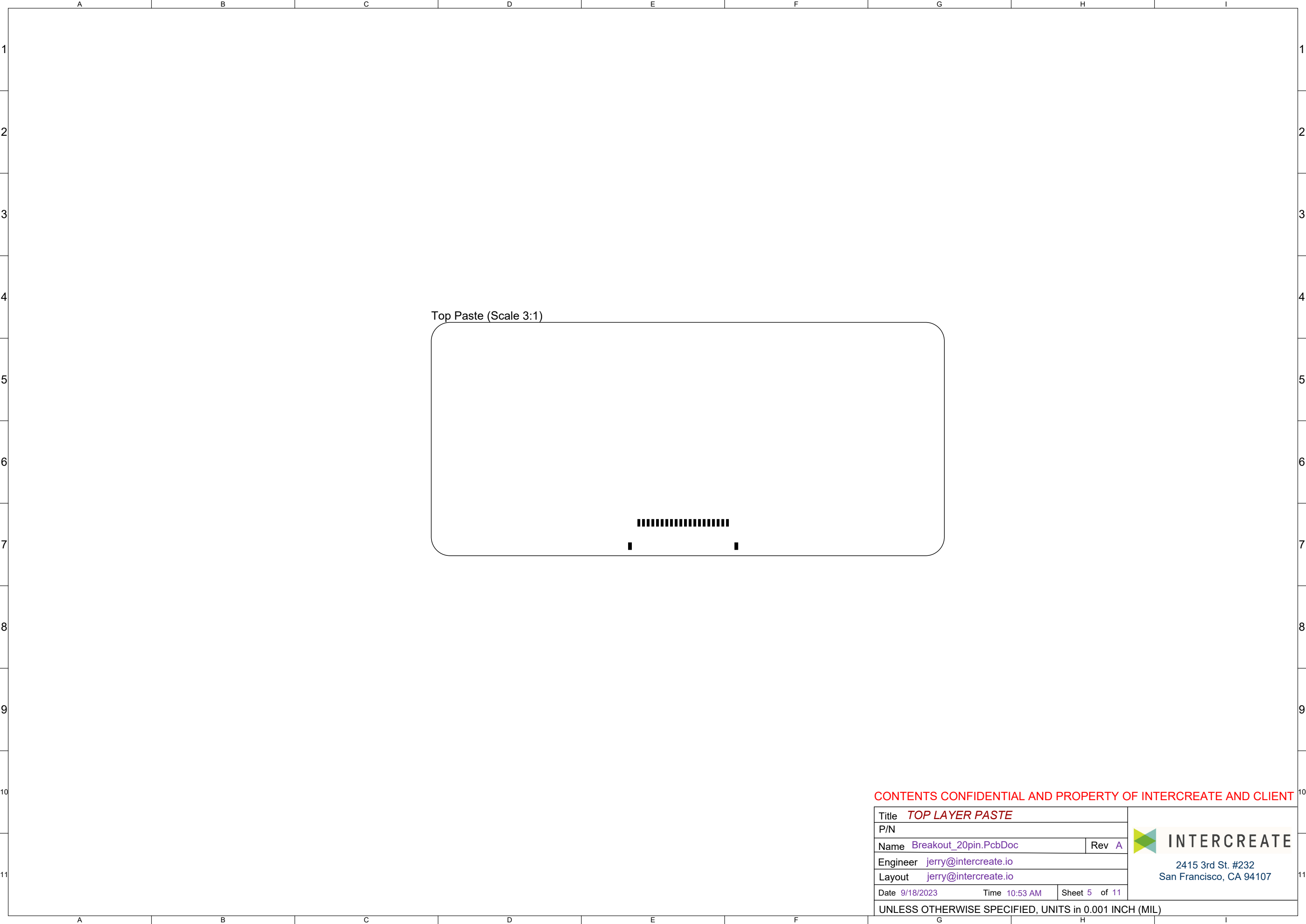
Title <b>DRILL DRAWING</b>			 <div><b>INTERCREATE</b> 2415 3rd St. #232 San Francisco, CA 94107</div>
P/N			
Name Breakout_20pin.PcbDoc		Rev A	
Engineer jerry@intercreate.io			
Layout jerry@intercreate.io			
Date 9/18/2023	Time 10:53 AM	Sheet 3 of 11	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			

Top Overlay (Scale 3:1)




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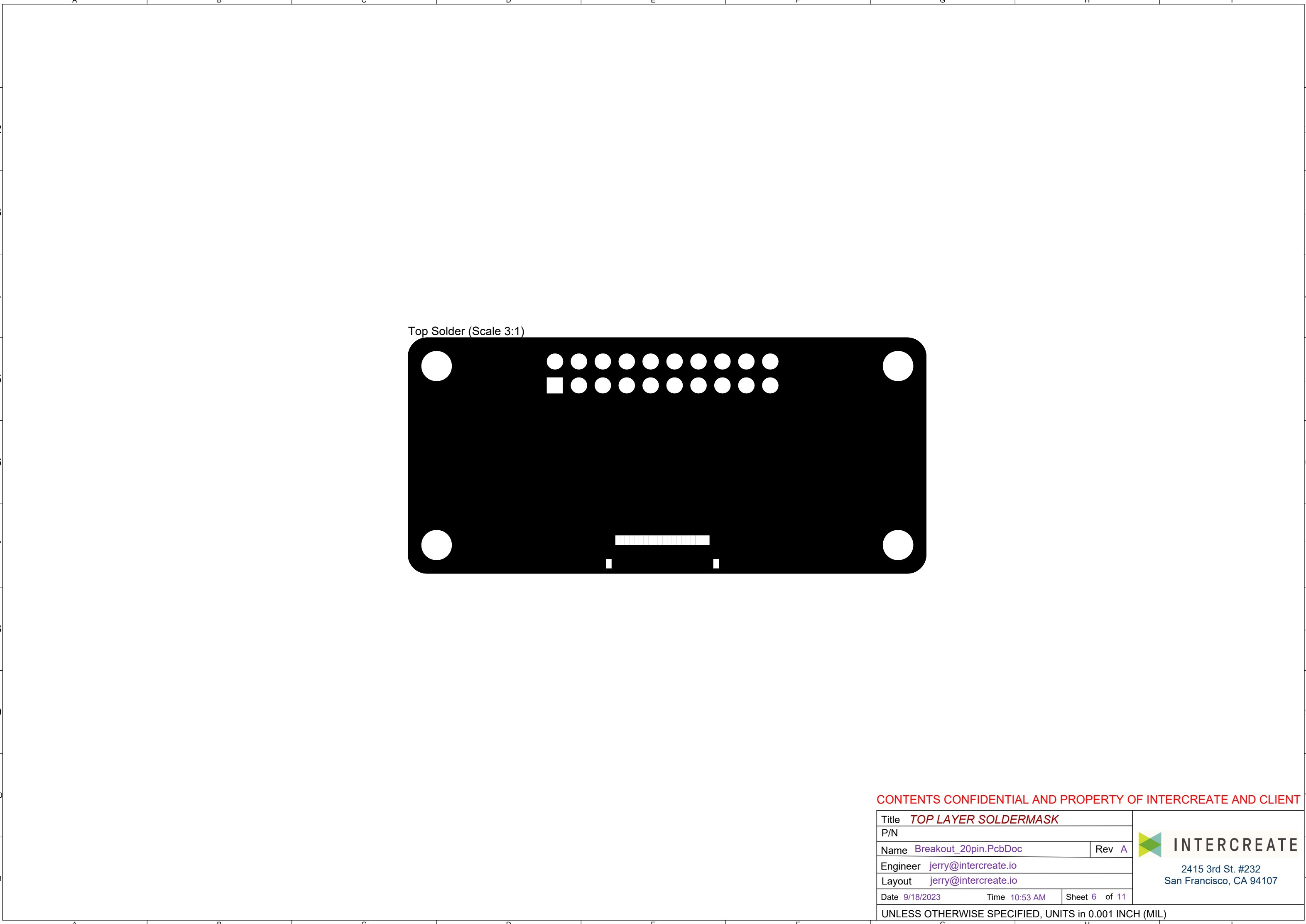
Title <i>TOP LAYER SILKSCREEN</i>			 <b>INTERCREATE</b>  2415 3rd St. #232 San Francisco, CA 94107
P/N			
Name <i>Breakout_20pin.PcbDoc</i>	Rev <i>A</i>		
Engineer <i>jerry@intercreate.io</i>			
Layout <i>jerry@intercreate.io</i>			
Date <i>9/18/2023</i>	Time <i>10:53 AM</i>	Sheet <i>4</i> of <i>11</i>	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			



Top Paste (Scale 3:1)


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Title <i>TOP LAYER PASTE</i>			 <b>INTERCREATE</b> 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>9/18/2023</i>	Time <i>10:53 AM</i>	Sheet <i>5</i> of <i>11</i>	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			

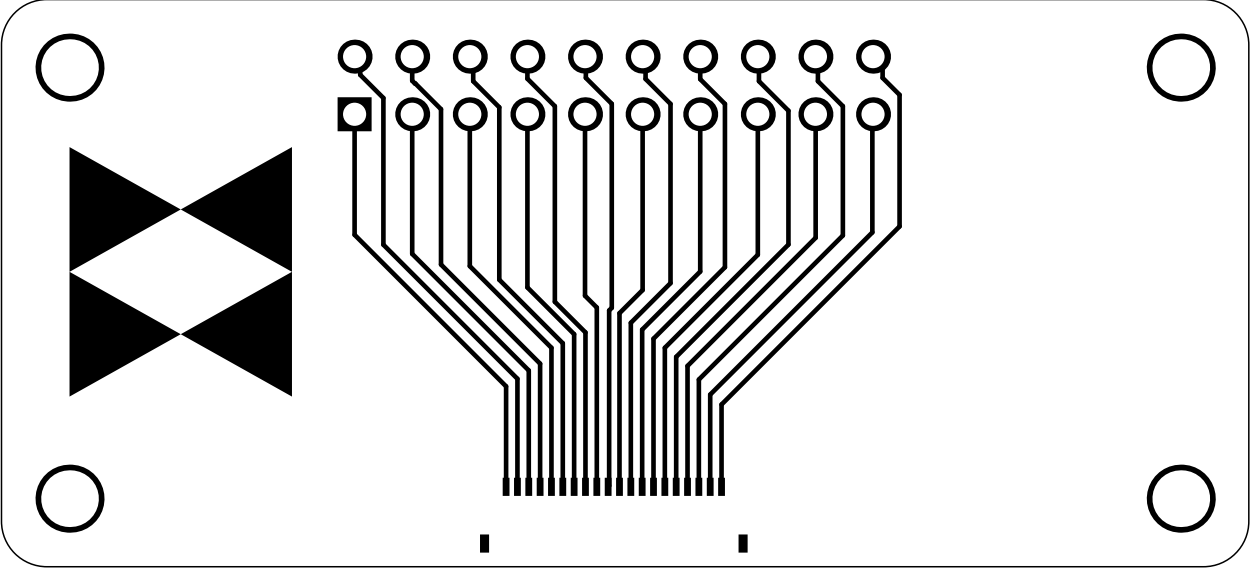


Top Solder (Scale 3:1)


CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

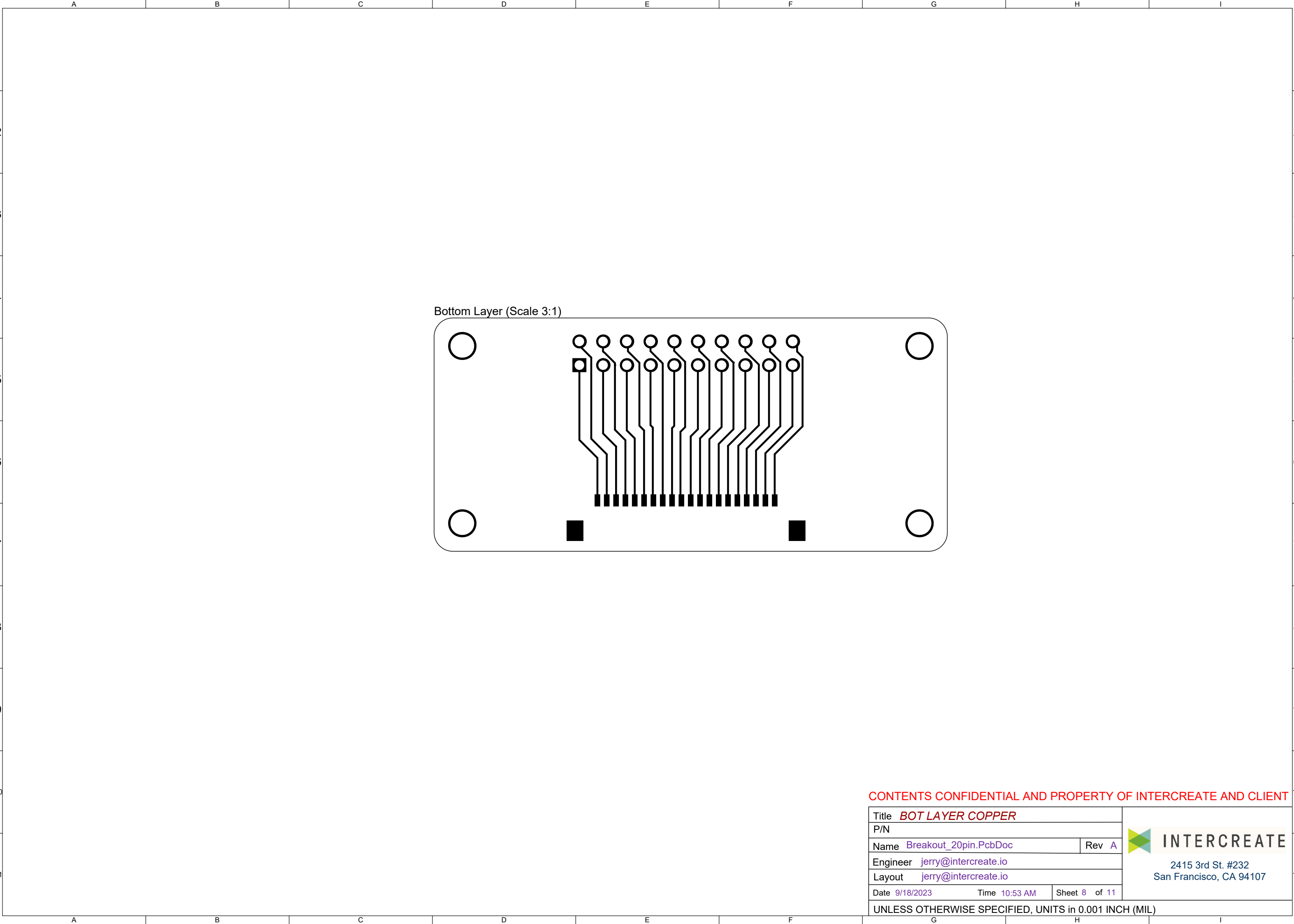
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P/N			
Name <u>Breakout_20pin.PcbDoc</u>	Rev <u>A</u>		
Engineer <u>jerry@intercreate.io</u>			
Layout <u>jerry@intercreate.io</u>			
Date <u>9/18/2023</u>	Time <u>10:53 AM</u>	Sheet <u>6</u> of <u>11</u>	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			

Top Layer (Scale 3:1)




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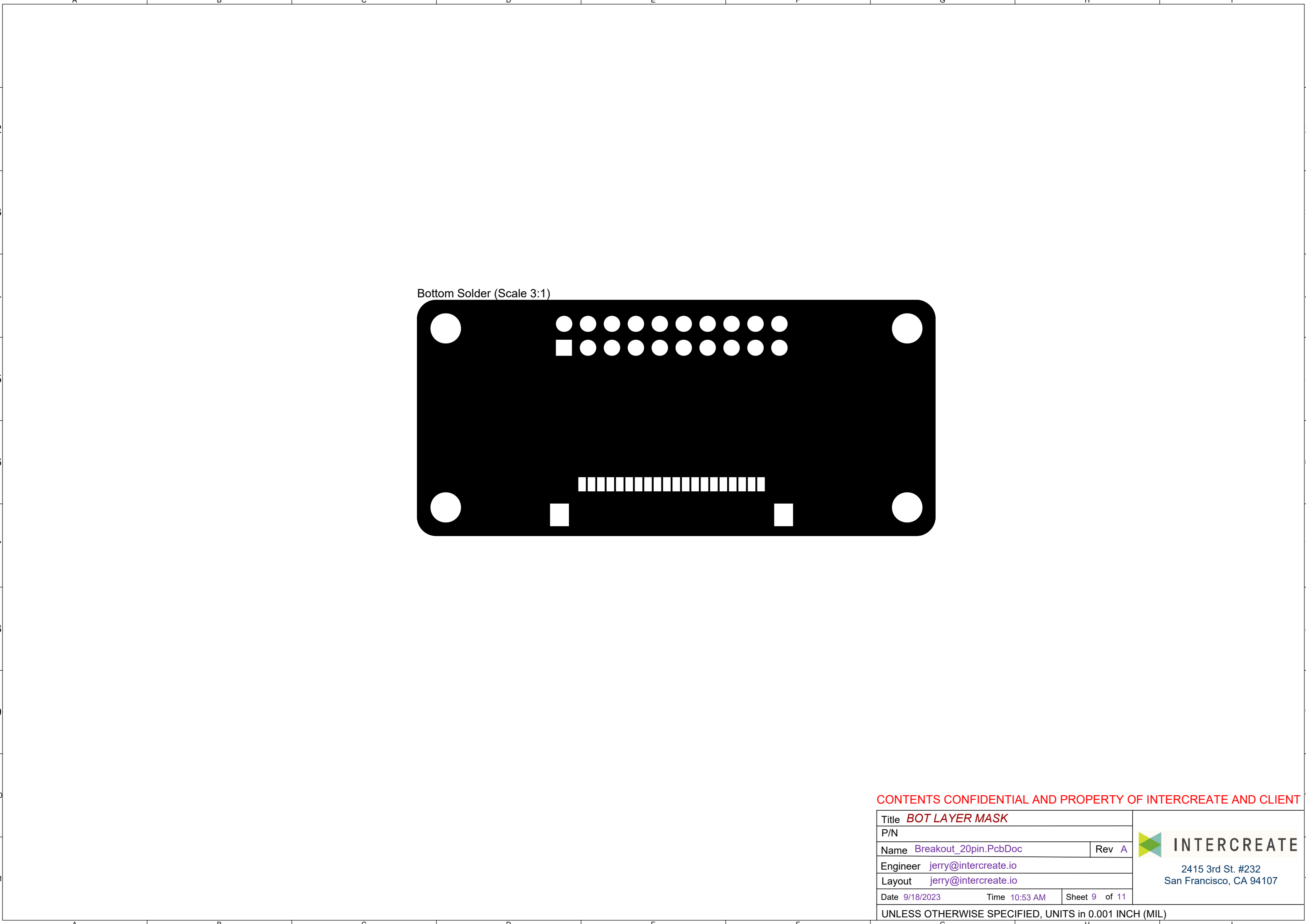
Title <i>TOP LAYER COPPER</i>			 <b>INTERCREATE</b>  2415 3rd St. #232 San Francisco, CA 94107
P/N			
Name <i>Breakout_20pin.PcbDoc</i>	Rev	<i>A</i>	
Engineer <i>jerry@intercreate.io</i>			
Layout <i>jerry@intercreate.io</i>			
Date <i>9/18/2023</i>	Time <i>10:53 AM</i>	Sheet <i>7</i> of <i>11</i>	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			



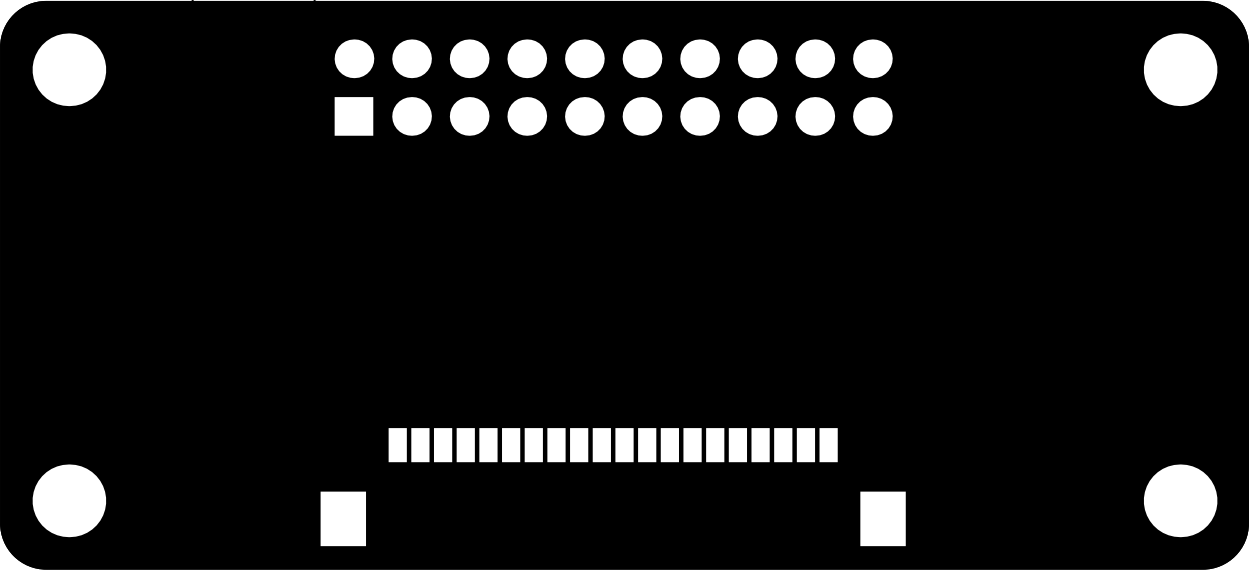
CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

Title <b>BOT LAYER COPPER</b>			 <b>INTERCREATE</b>  2415 3rd St. #232 San Francisco, CA 94107
P/N			
Name Breakout_20pin.PcbDoc	Rev	A	
Engineer jerry@intercreate.io			
Layout jerry@intercreate.io			
Date 9/18/2023	Time 10:53 AM	Sheet 8 of 11	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			




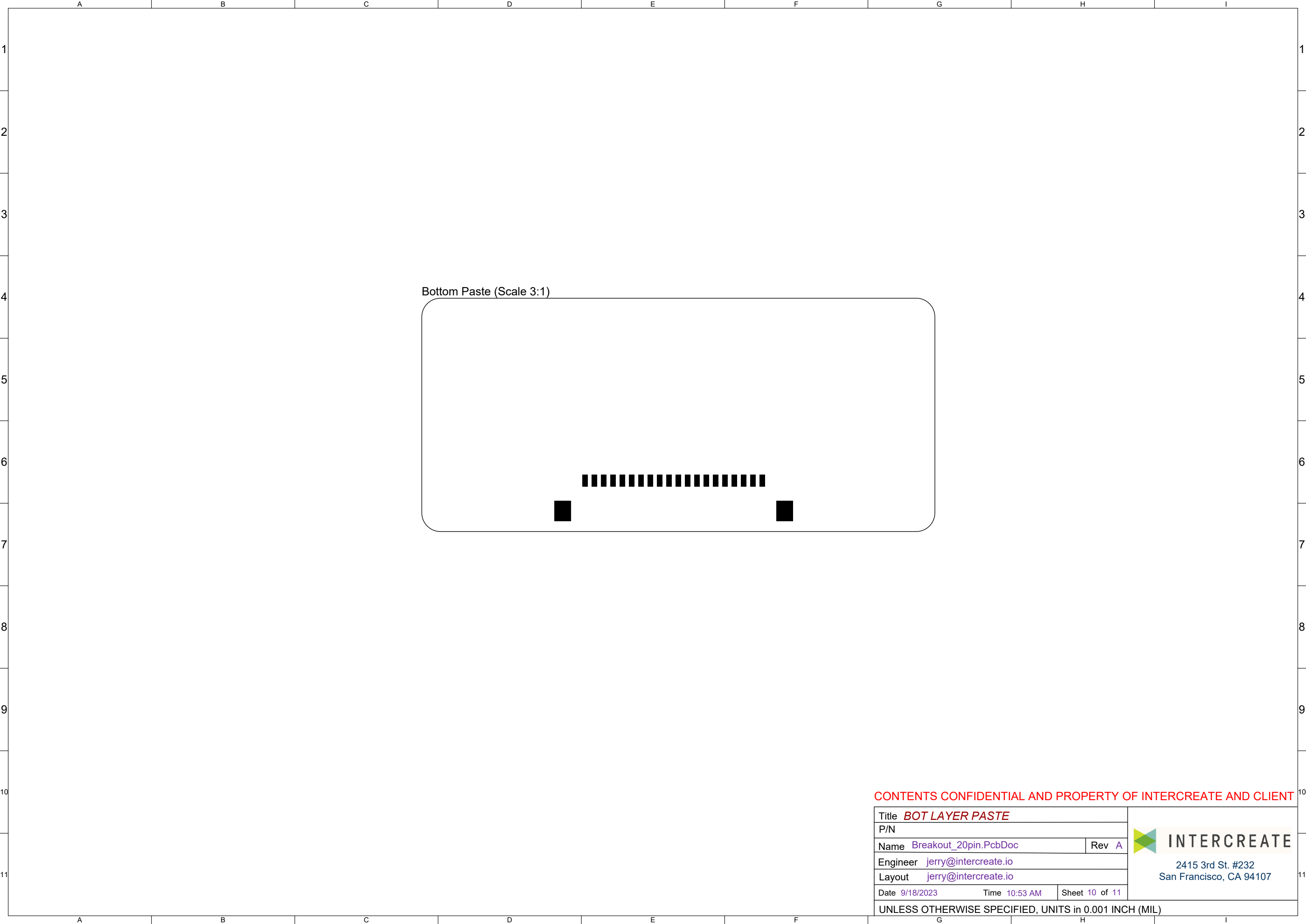


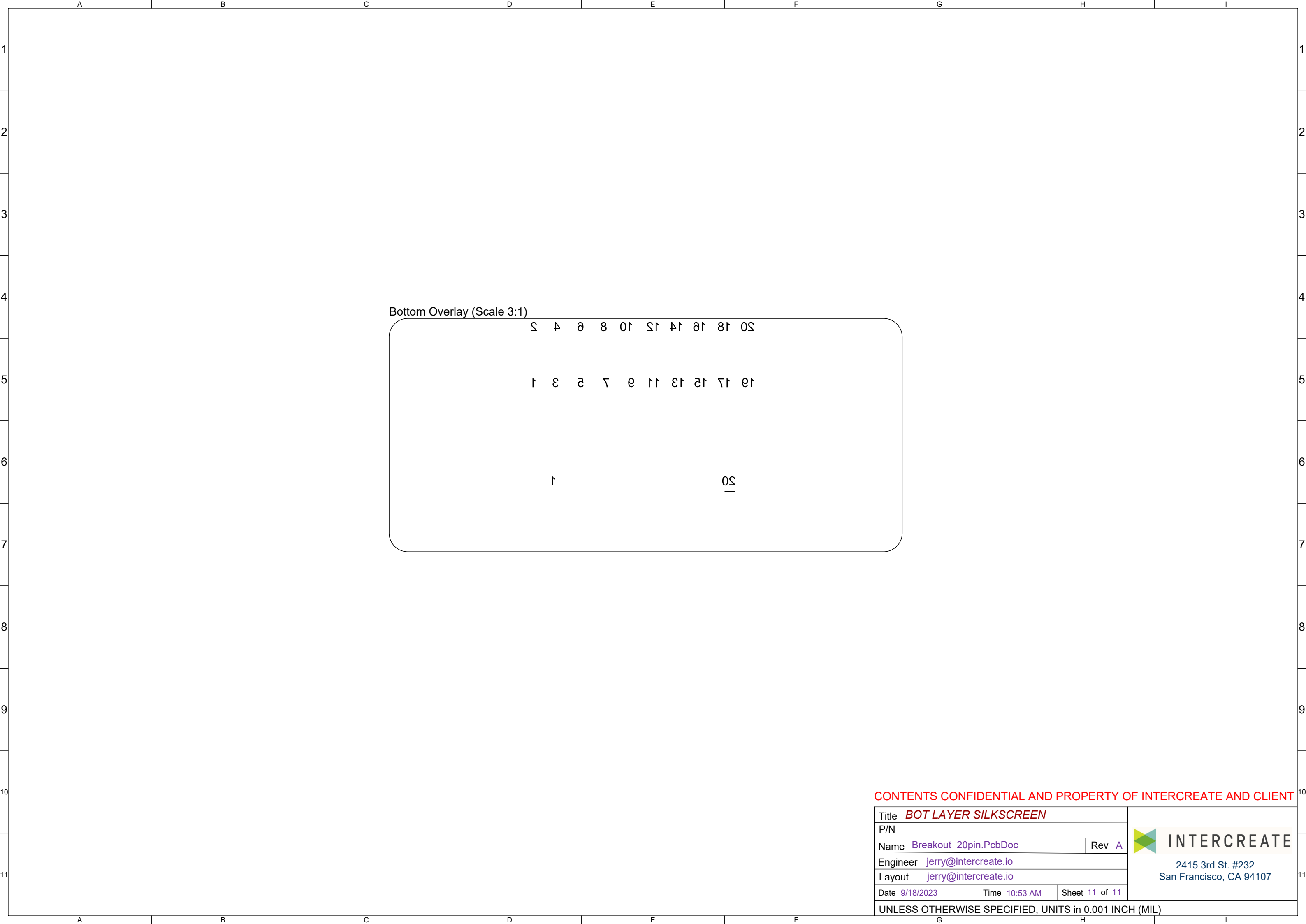
Bottom Solder (Scale 3:1)



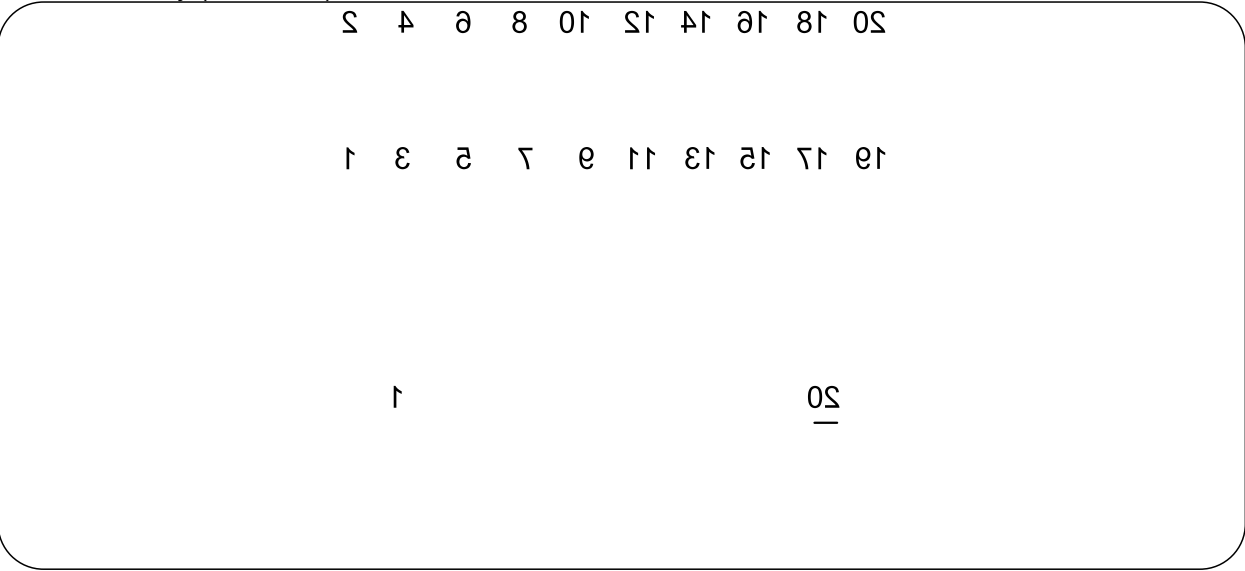
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Title <i>BOT LAYER MASK</i>			 <b>INTERCREATE</b>  2415 3rd St. #232 San Francisco, CA 94107	
P/N				
Name <i>Breakout_20pin.PcbDoc</i>		Rev <i>A</i>		
Engineer <i>jerry@intercreate.io</i>				
Layout <i>jerry@intercreate.io</i>				
Date <i>9/18/2023</i>	Time <i>10:53 AM</i>	Sheet <i>9</i> of <i>11</i>		
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)				






Bottom Overlay (Scale 3:1)



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Title <i>BOT LAYER SILKSCREEN</i>			 <div>INTERCREATE</div> <div>2415 3rd St. #232 San Francisco, CA 94107</div>
P/N			
Name Breakout_20pin.PcbDoc	Rev	A	
Engineer jerry@intercreate.io			
Layout jerry@intercreate.io			
Date 9/18/2023	Time 10:53 AM	Sheet 11 of 11	
UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL)			