


NOTES (Unless otherwise specified)

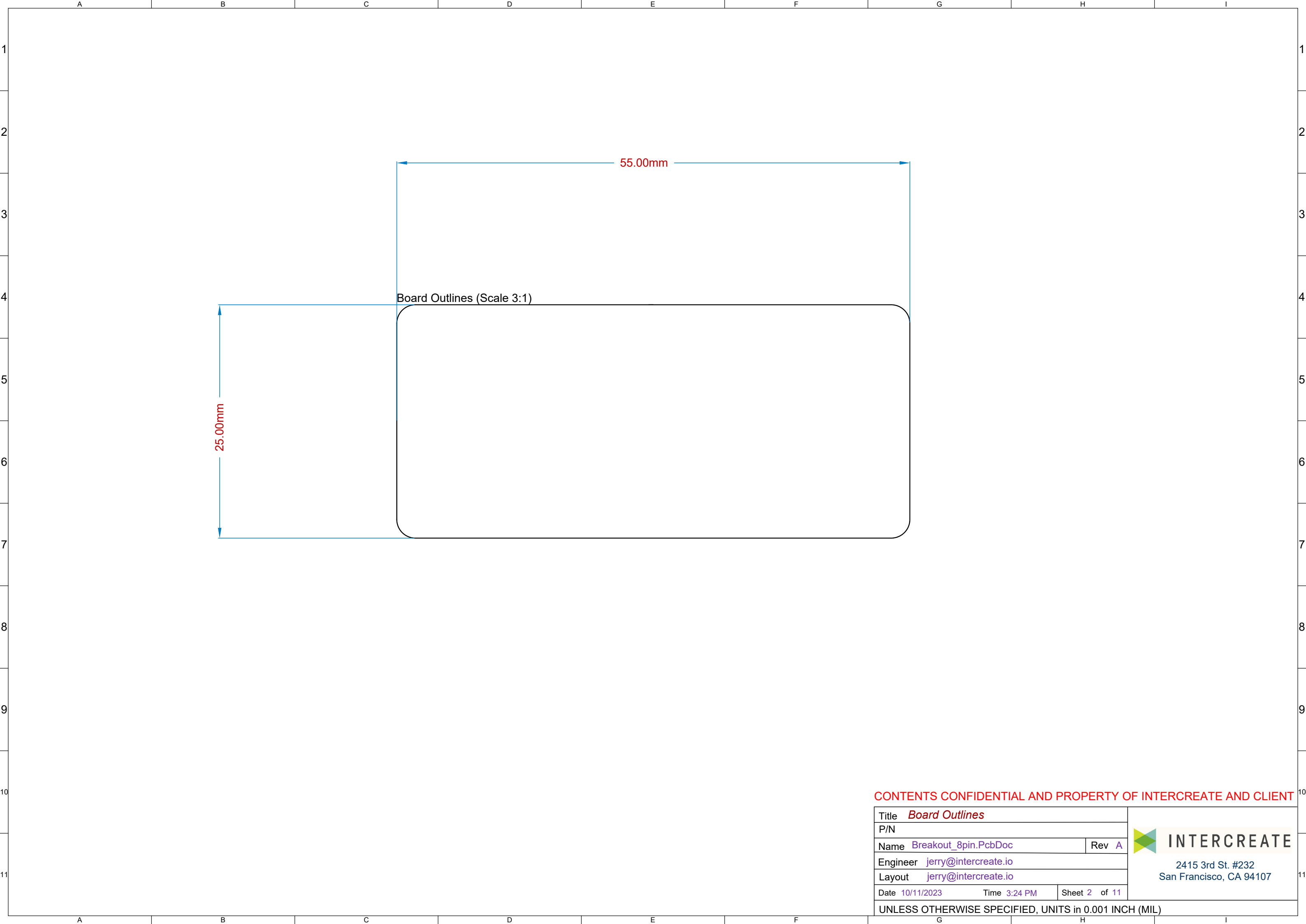
| | |
|--------------------------------|--------------------|
| PCB MATERIAL | FR4 or similar |
| SOLDER | ENIG per IPC-4552 |
| WASHABLE | YES |
| COPPER WEIGHT FOR OUTER LAYERS | 1oz |
| PCB PLATING | ENIG per IPC-4552 |
| VIA SIZE | See Drill Table |
| VIA IN PAD | NO |
| VIA FILL | NO |
| VIA TENTING | 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 | | | | | | |

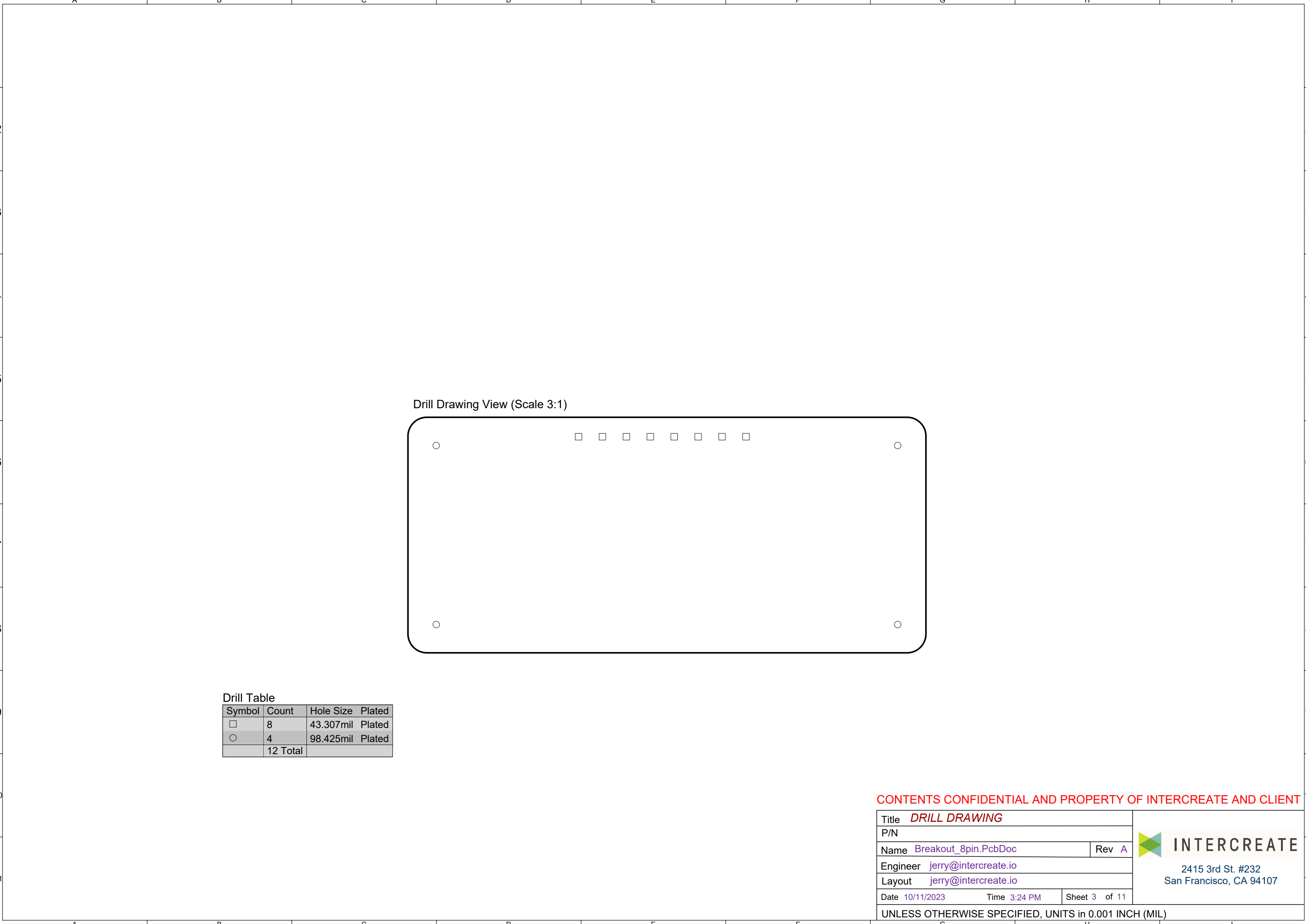
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| | | | |
|---|--------------|---------------|---|
| Title FABRICATION DRAWING | | |  <div>INTERCREATE</div> <div>2415 3rd St. #232 San Francisco, CA 94107</div> |
| P/N | | | |
| Name Breakout_8pin.PcbDoc | Rev A | | |
| Engineer jerry@intercreate.io | | | |
| Layout jerry@intercreate.io | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 1 of 11 | |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) | | | |



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| | | | |
|---|--------------|---------------|--|
| Title <i>Board Outlines</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name Breakout_8pin.PcbDoc | Rev | A | |
| Engineer jerry@intercreate.io | | | |
| Layout jerry@intercreate.io | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 2 of 11 | |
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Drill Drawing View (Scale 3:1)

Drill Table

| Symbol | Count | Hole Size | Plated |
|--------|----------|-----------|--------|
| □ | 8 | 43.307mil | Plated |
| ○ | 4 | 98.425mil | Plated |
| | 12 Total | | |

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| | | | |
|---|--------------|---------------|--|
| Title <i>DRILL DRAWING</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name Breakout_8pin.PcbDoc | Rev | A | |
| Engineer jerry@intercreate.io | | | |
| Layout jerry@intercreate.io | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 3 of 11 | |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) | | | |

Top Overlay (Scale 3:1)

12345678

INTERCREATE

8 pin


1

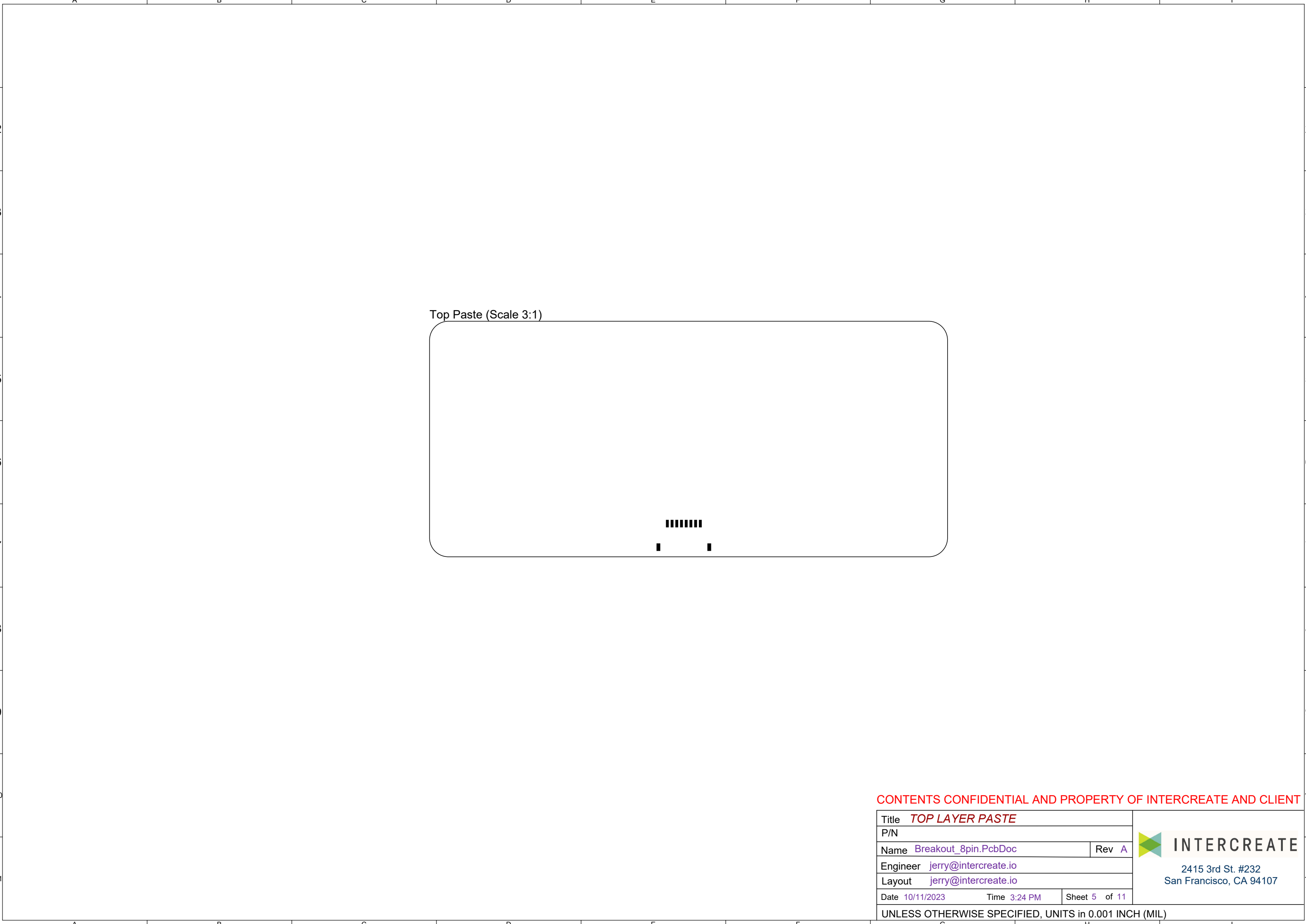
8

0.5mm - TOP

1.0mm - BOT


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|---|--------------|---------------|---|--|
| Title <i>TOP LAYER SILKSCREEN</i> | | | <div> INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107</div> | |
| P/N | | | | |
| Name Breakout_8pin.PcbDoc | | Rev A | | |
| Engineer jerry@intercreate.io | | | | |
| Layout jerry@intercreate.io | | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 4 of 11 | | |
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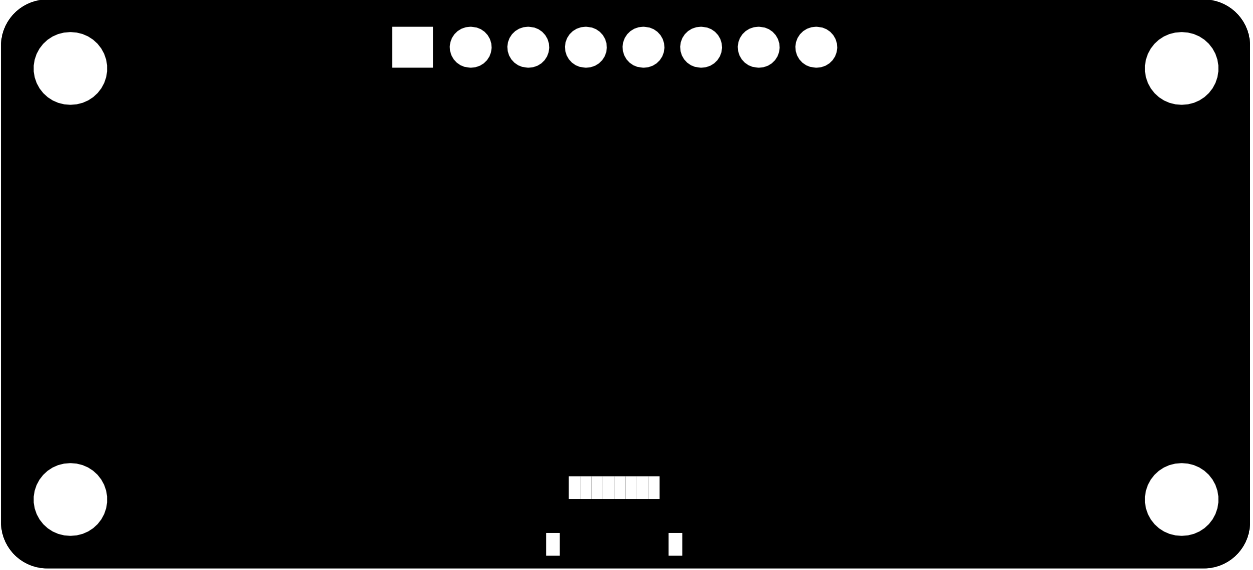


Top Paste (Scale 3:1)


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| | | | |
|---|---------------------|-----------------------------|--|
| Title <i>TOP LAYER PASTE</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name <i>Breakout_8pin.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>3:24 PM</i> | Sheet <i>5</i> of <i>11</i> | |
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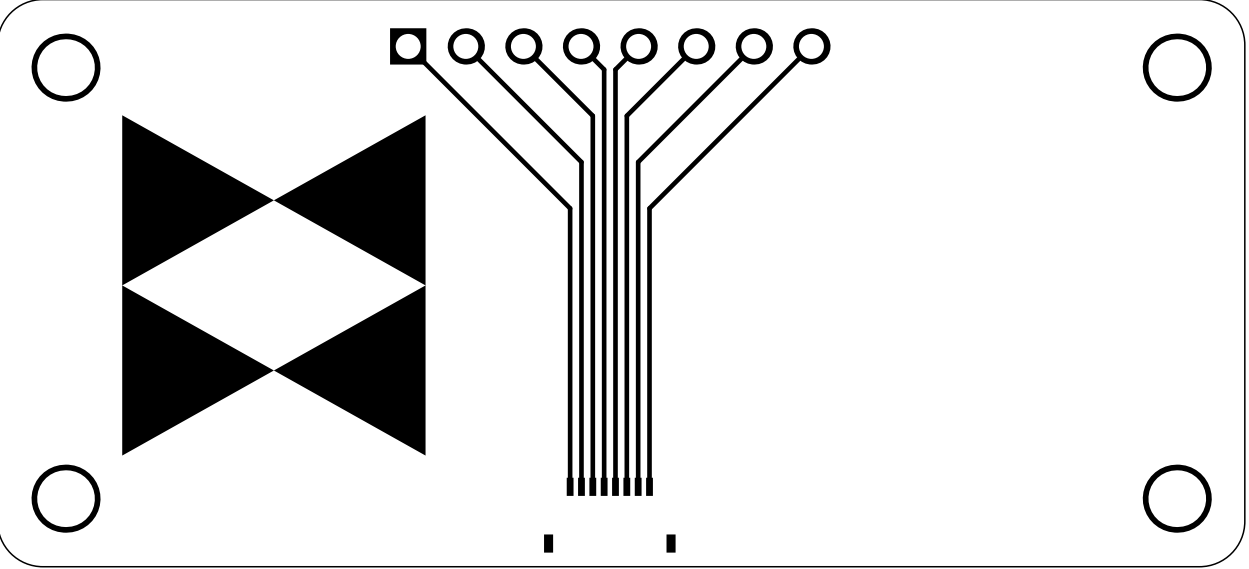
Top Solder (Scale 3:1)




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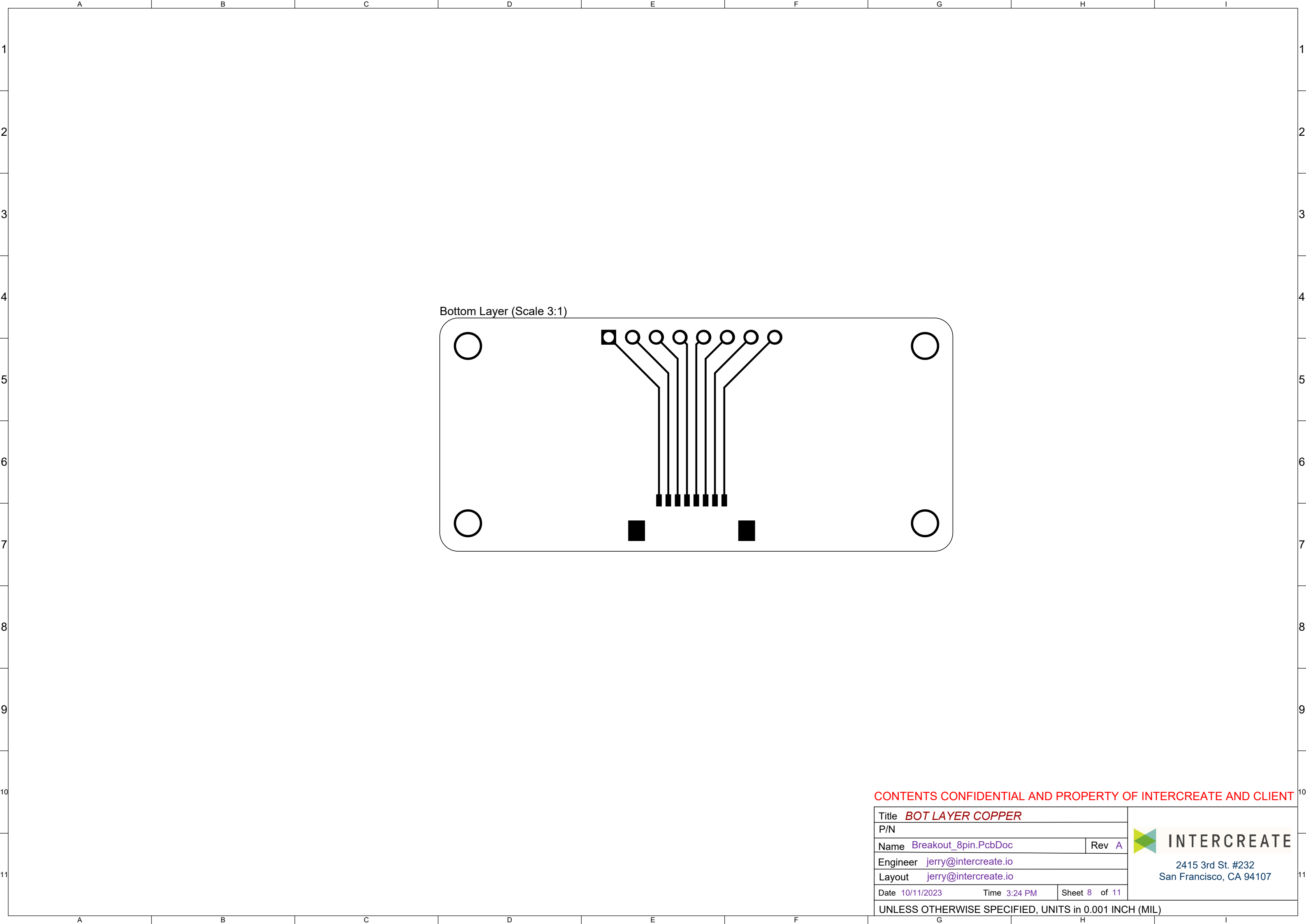
| | | | | |
|---|---------------------|-----------------------------|--|--|
| Title <i>TOP LAYER SOLDERMASK</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 | |
| P/N | | | | |
| Name <i>Breakout_8pin.PcbDoc</i> | Rev <i>A</i> | | | |
| Engineer <i>jerry@intercreate.io</i> | | | | |
| Layout <i>jerry@intercreate.io</i> | | | | |
| Date <i>10/11/2023</i> | Time <i>3:24 PM</i> | Sheet <i>6</i> of <i>11</i> | | |
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Top Layer (Scale 3:1)

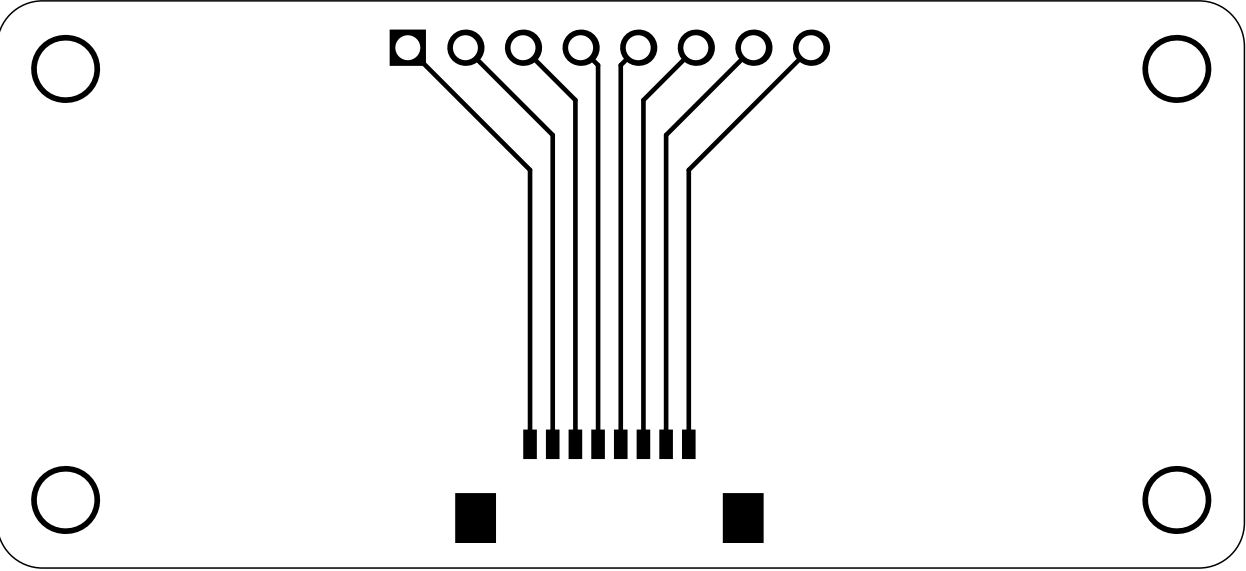


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| | | | |
|---|--------------|---------------|--|
| Title <i>TOP LAYER COPPER</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name Breakout_8pin.PcbDoc | Rev | A | |
| Engineer jerry@intercreate.io | | | |
| Layout jerry@intercreate.io | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 7 of 11 | |
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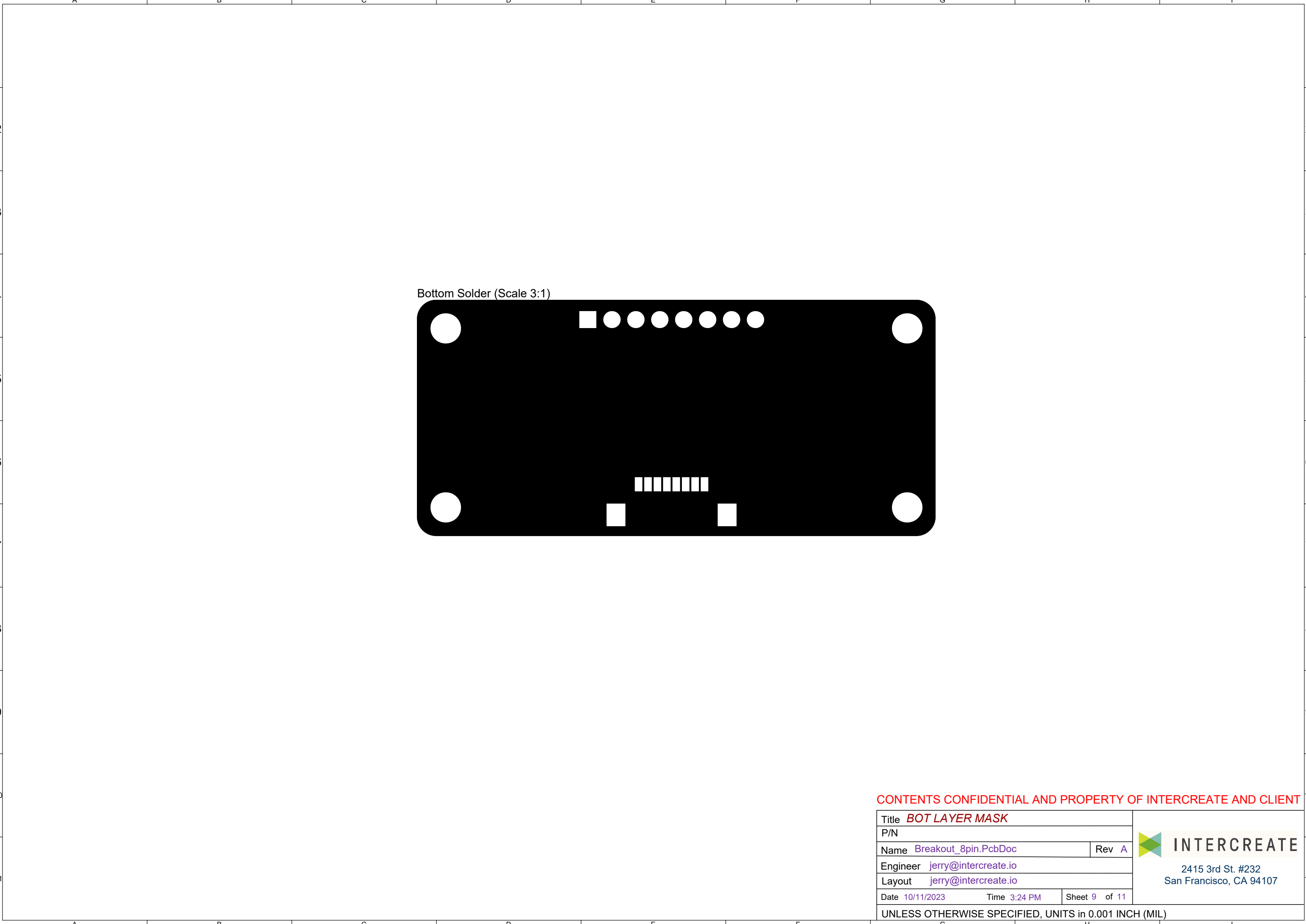


Bottom Layer (Scale 3:1)




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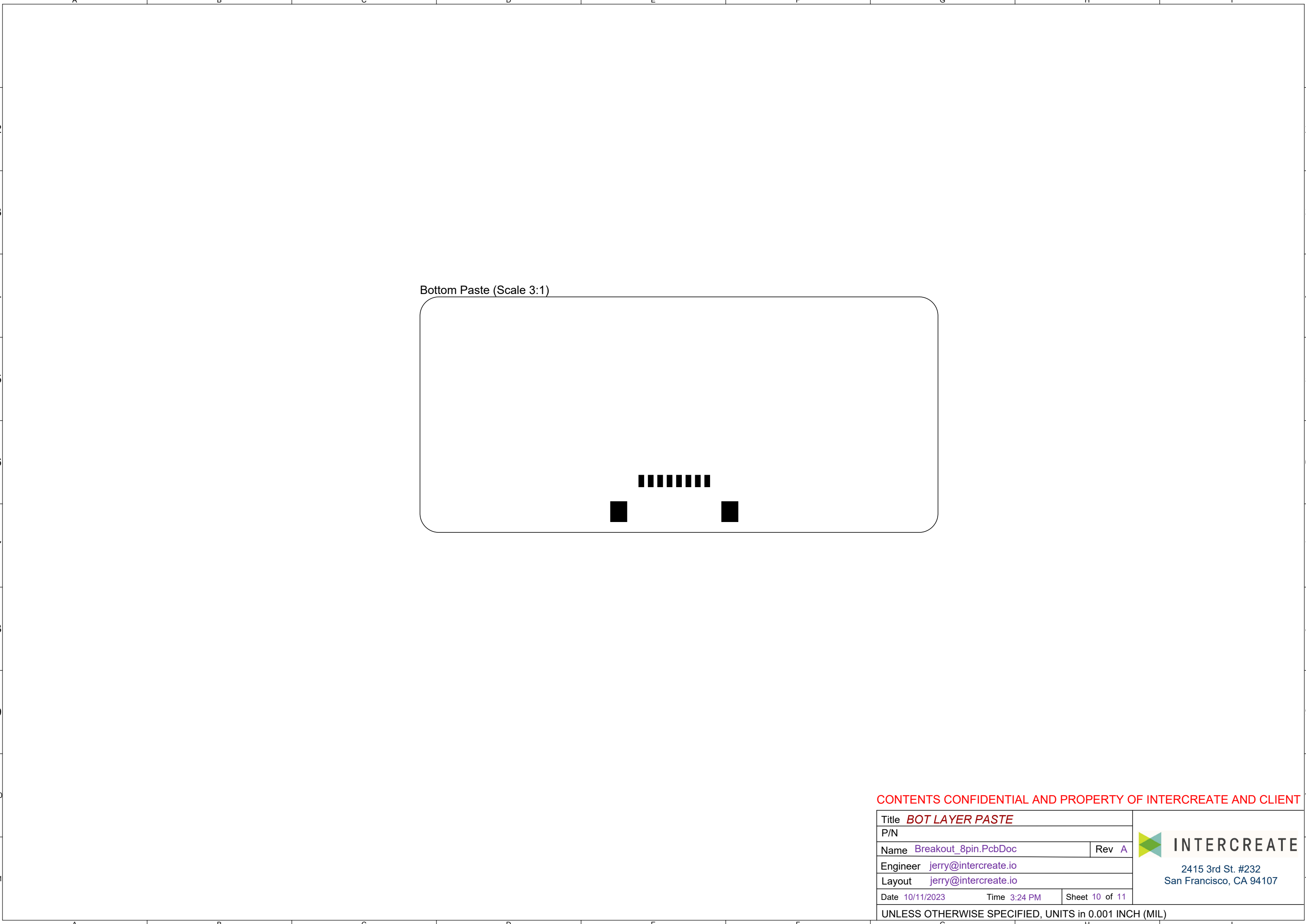
| | | | |
|---|--------------|---------------|--|
| Title <i>BOT LAYER COPPER</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name Breakout_8pin.PcbDoc | Rev A | | |
| Engineer jerry@intercreate.io | | | |
| Layout jerry@intercreate.io | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 8 of 11 | |
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Bottom Solder (Scale 3:1)

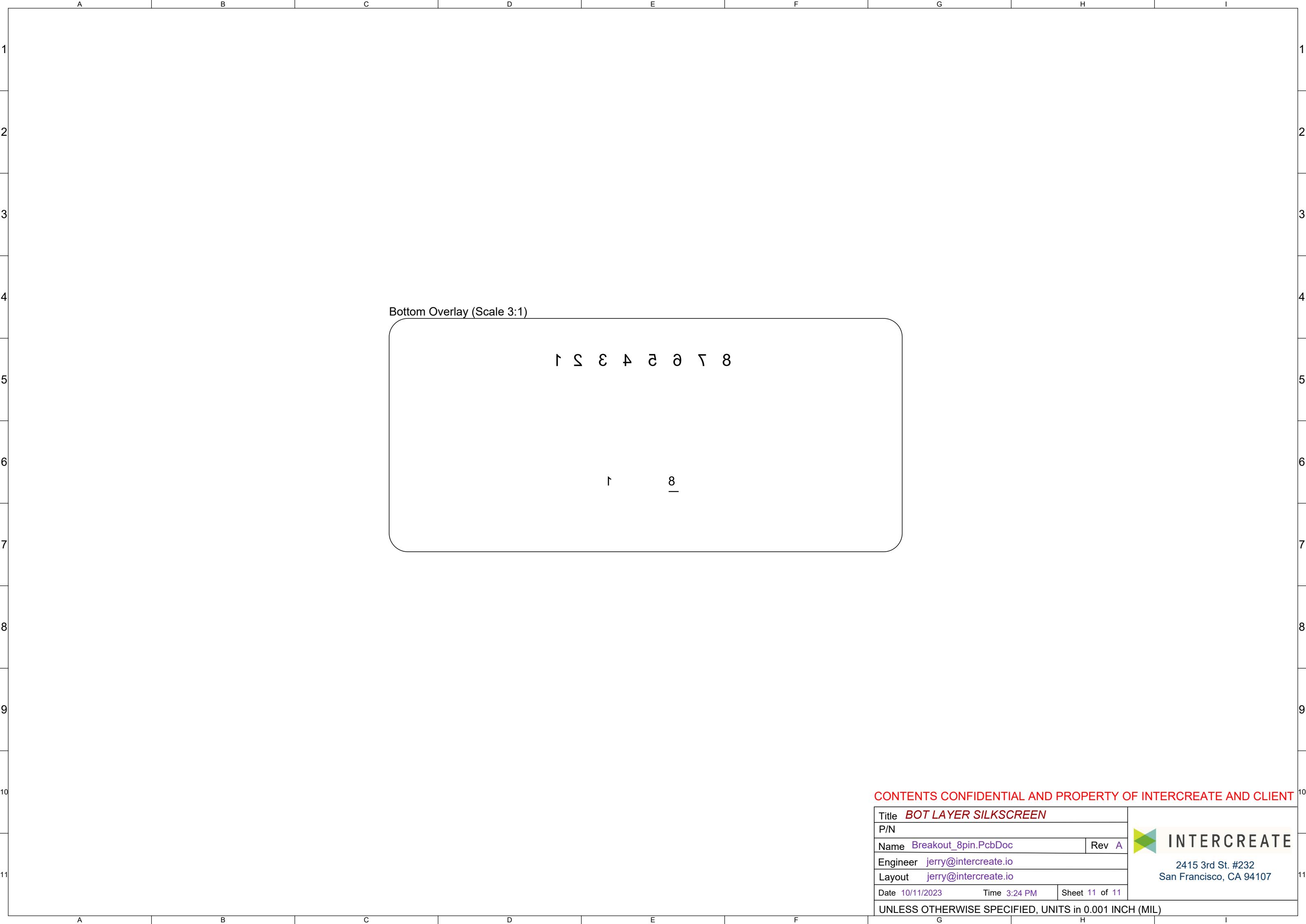
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| | | | |
|---|---------------------|-----------------------------|--|
| Title <i>BOT LAYER MASK</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name <i>Breakout_8pin.PcbDoc</i> | Rev <i>A</i> | | |
| Engineer <i>jerry@intercreate.io</i> | | | |
| Layout <i>jerry@intercreate.io</i> | | | |
| Date <i>10/11/2023</i> | Time <i>3:24 PM</i> | Sheet <i>9</i> of <i>11</i> | |
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| | | | | |
|---|--------------|----------------|--|--|
| Title BOT LAYER PASTE | | | <div> INTERCREATE</div> <div>2415 3rd St. #232 San Francisco, CA 94107</div> | |
| P/N | | | | |
| Name Breakout_8pin.PcbDoc | | Rev A | | |
| Engineer jerry@intercreate.io | | | | |
| Layout jerry@intercreate.io | | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 10 of 11 | | |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) | | | | |




Bottom Overlay (Scale 3:1)

1 2 3 4 5 6 7 8

1 8

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| | | | |
|---|--------------|----------------|--|
| Title <i>BOT LAYER SILKSCREEN</i> | | |  INTERCREATE 2415 3rd St. #232 San Francisco, CA 94107 |
| P/N | | | |
| Name Breakout_8pin.PcbDoc | Rev A | | |
| Engineer jerry@intercreate.io | | | |
| Layout jerry@intercreate.io | | | |
| Date 10/11/2023 | Time 3:24 PM | Sheet 11 of 11 | |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) | | | |