


NOTES (Unless otherwise specified)

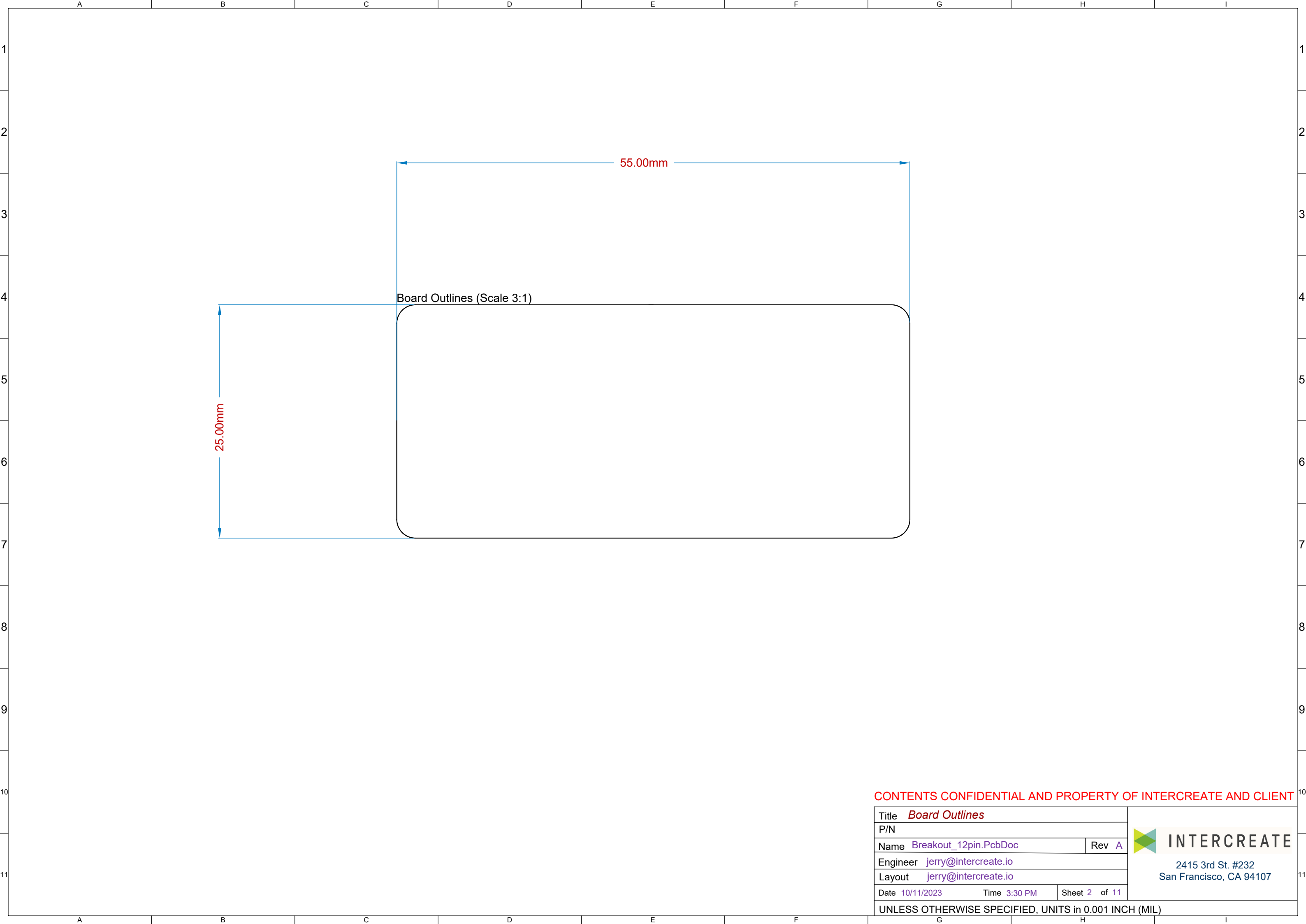
|                                |                    |
|--------------------------------|--------------------|
| PCB MATERIAL                   | FR4 or similar     |
| SOLDER                         | ENIG per IPC-4552  |
| WASHABLE                       | YES                |
| COPPER WEIGHT FOR OUTER 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 |                |           |                     |             |        |     |

CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

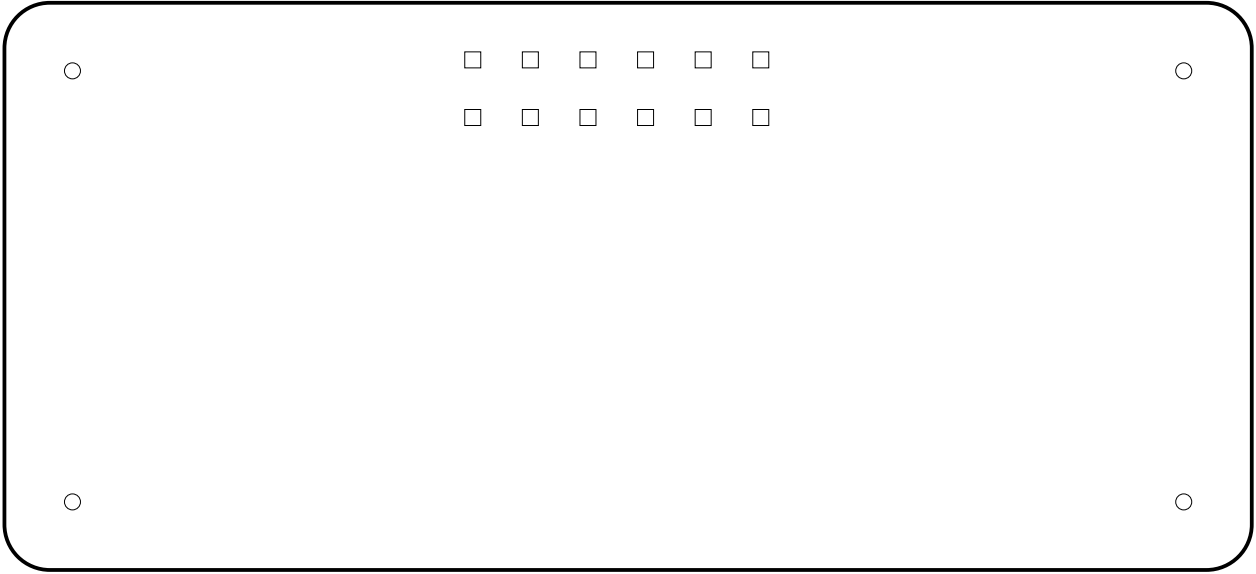
|   |                     |                             |  |  |
|---|---------------------|-----------------------------|--|--|
| Title <b>FABRICATION DRAWING</b>                      |                     |                             |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |  |
| P/N   |                     |                             |  |  |
| Name <b>Breakout_12pin.PcbDoc</b>                     | Rev <b>A</b>        |                             |  |  |
| Engineer <b>jerry@intercreate.io</b>                  |                     |                             |  |  |
| Layout <b>jerry@intercreate.io</b>                    |                     |                             |  |  |
| Date <b>10/11/2023</b>                                | Time <b>3:30 PM</b> | Sheet <b>1</b> of <b>11</b> |  |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |                     |                             |  |  |



CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

|   |                     |                             |  |
|---|---------------------|-----------------------------|--|
| Title <i>Board Outlines</i>                           |                     |                             |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |
| P/N   |                     |                             |  |
| Name <i>Breakout_12pin.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>3:30 PM</i> | Sheet <i>2</i> of <i>11</i> |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |                     |                             |  |

Drill Drawing View (Scale 3:1)




Drill Table

| Symbol | Count    | Hole Size | Plated |
|--------|----------|-----------|--------|
| □      | 12       | 43.307mil | Plated |
| ○      | 4        | 98.425mil | Plated |
|        | 16 Total |           |        |

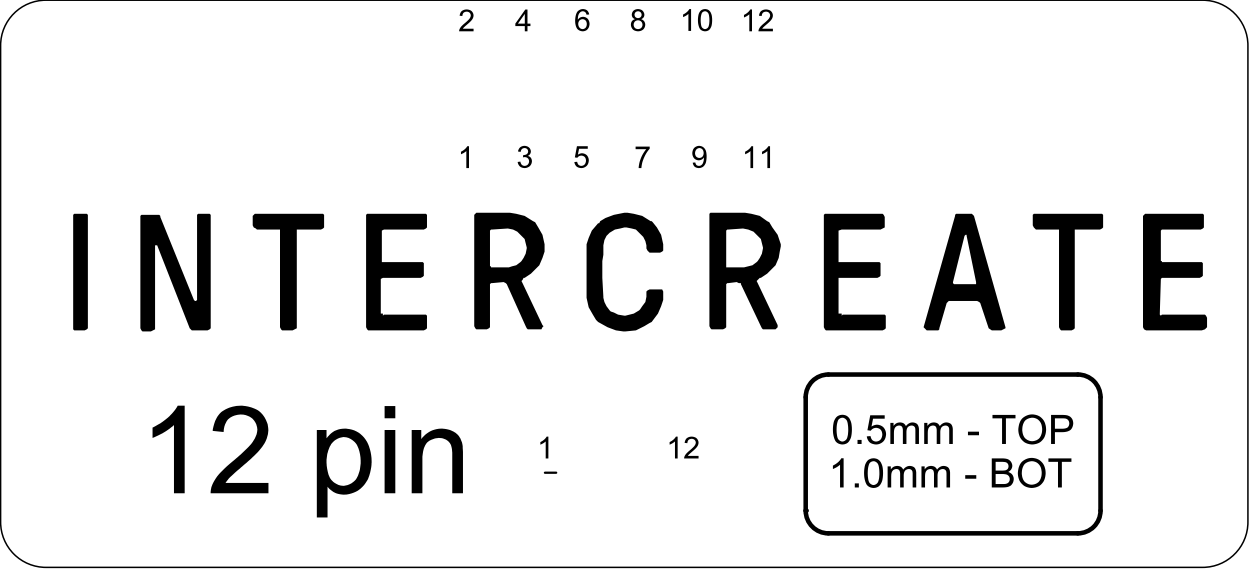
CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

|   |              |               |
|---|--------------|---------------|
| Title <b>DRILL DRAWING</b>                            |              |               |
| P/N   |              |               |
| Name Breakout_12pin.PcbDoc                            |              | Rev A         |
| Engineer jerry@intercreate.io                         |              |               |
| Layout jerry@intercreate.io                           |              |               |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 3 of 11 |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |              |               |




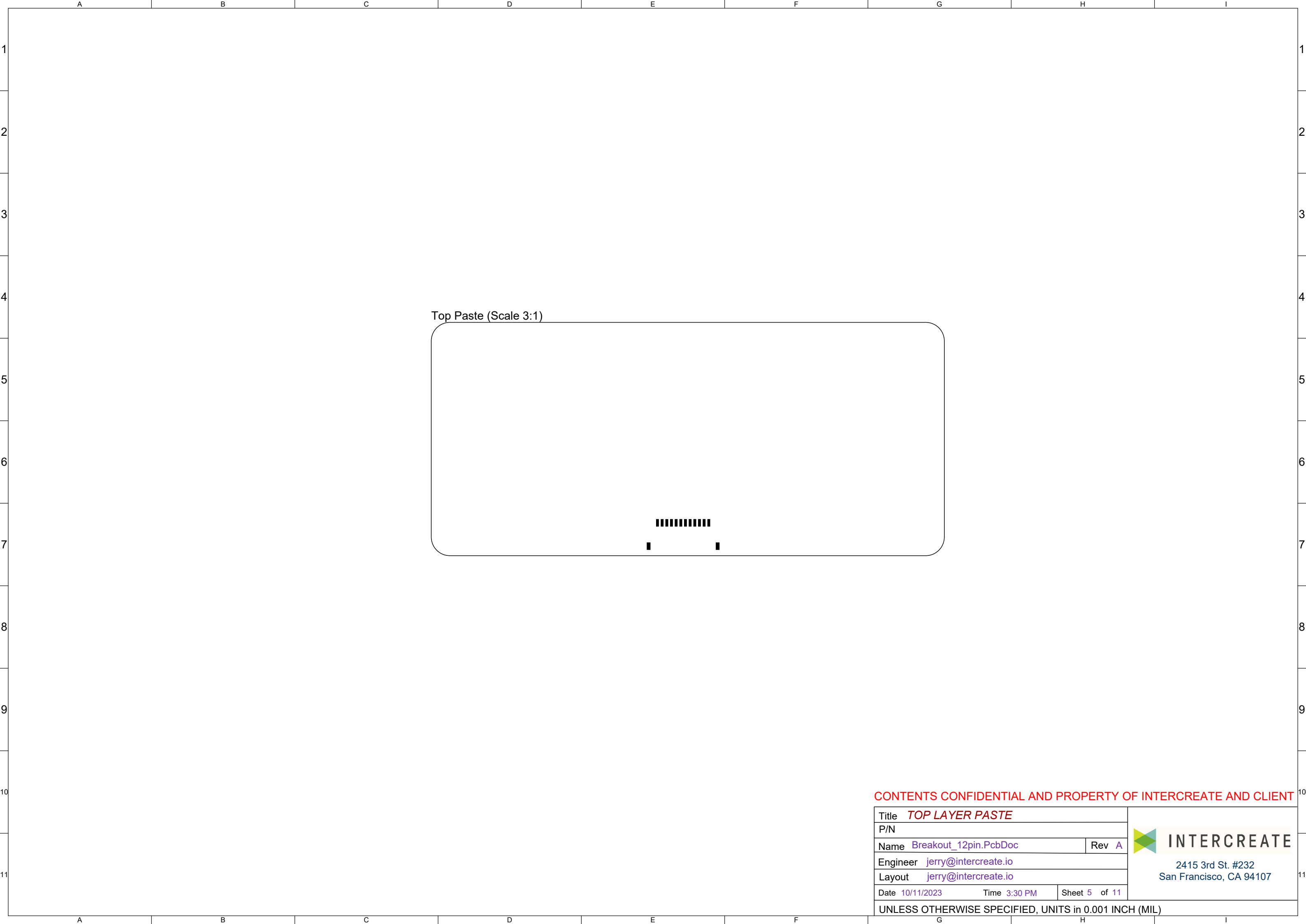
**INTERCREATE**  
2415 3rd St. #232  
San Francisco, CA 94107

Top Overlay (Scale 3:1)




CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

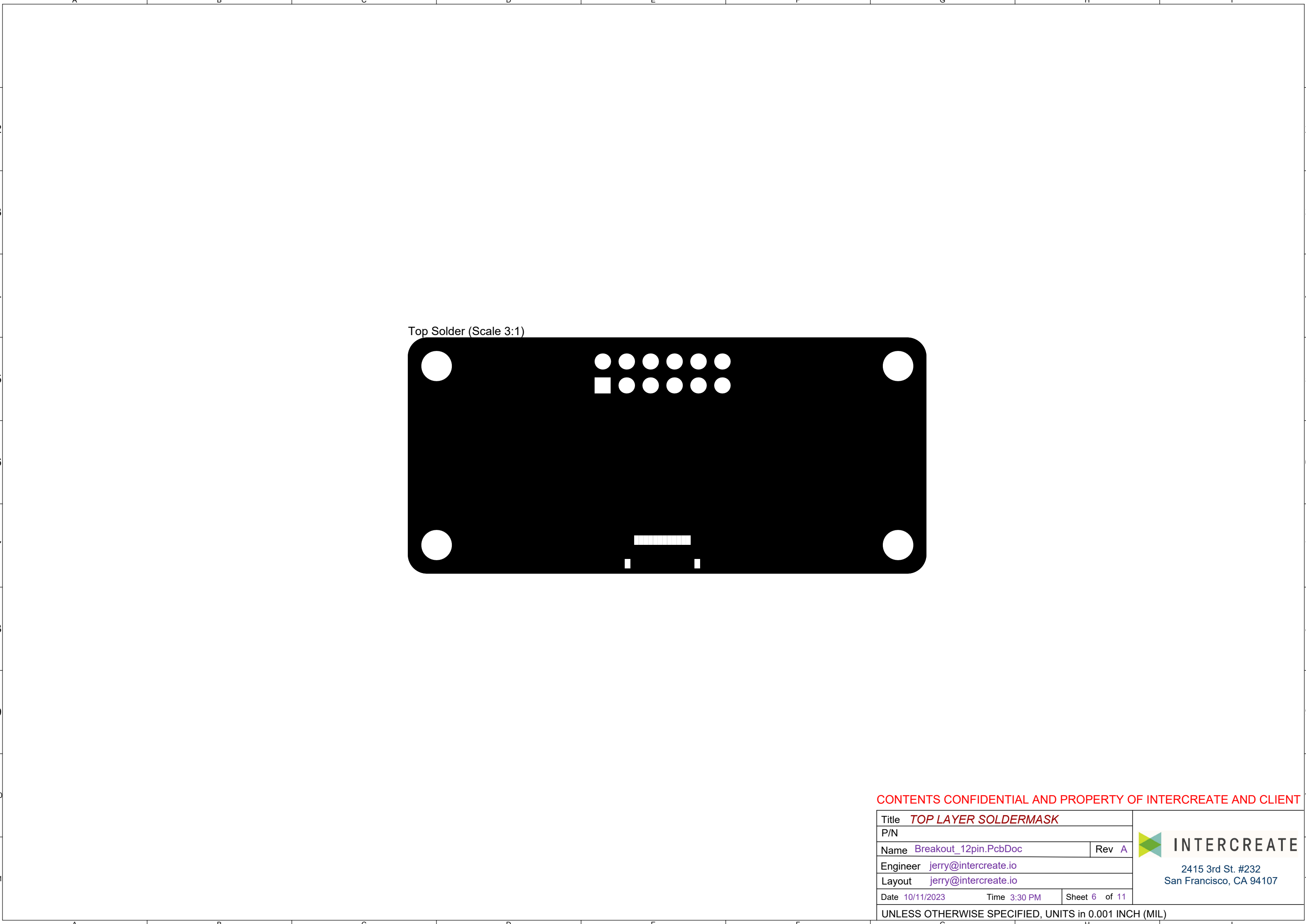
|   |                     |                             |  |
|---|---------------------|-----------------------------|--|
| Title <i>TOP LAYER SILKSCREEN</i>                     |                     |                             |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |
| P/N   |                     |                             |  |
| Name <i>Breakout_12pin.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>3:30 PM</i> | Sheet <i>4</i> of <i>11</i> |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |                     |                             |  |



Top Paste (Scale 3:1)


CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

|   |                     |                             |  |
|---|---------------------|-----------------------------|--|
| Title <i>TOP LAYER PASTE</i>                          |                     |                             |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |
| P/N   |                     |                             |  |
| Name <i>Breakout_12pin.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>3:30 PM</i> | Sheet <i>5</i> of <i>11</i> |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |                     |                             |  |

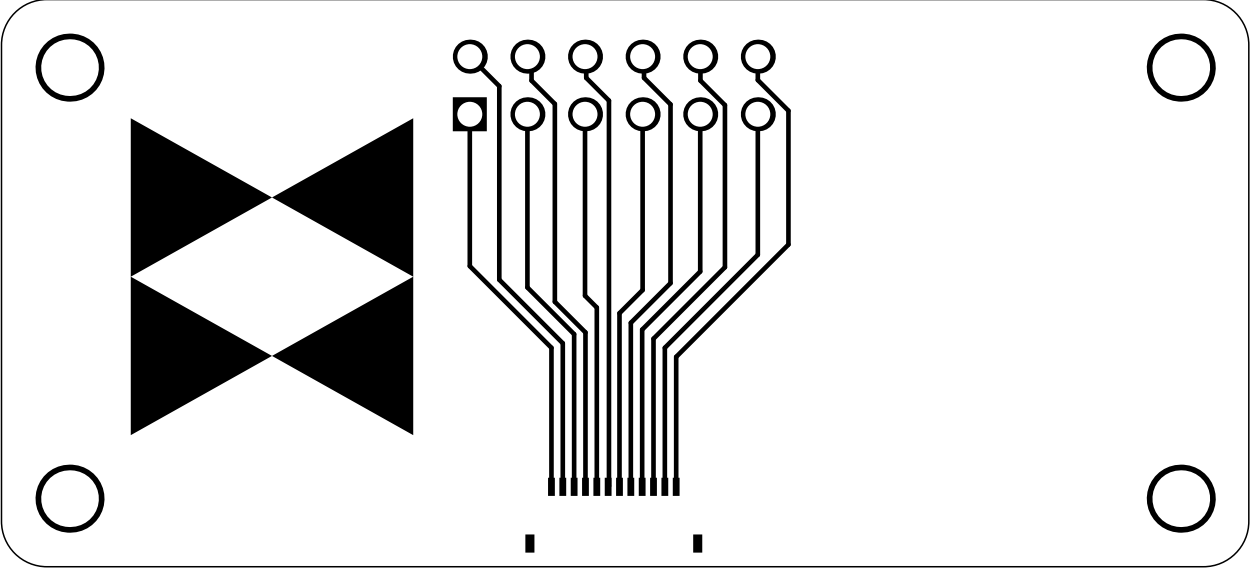


Top Solder (Scale 3:1)


CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

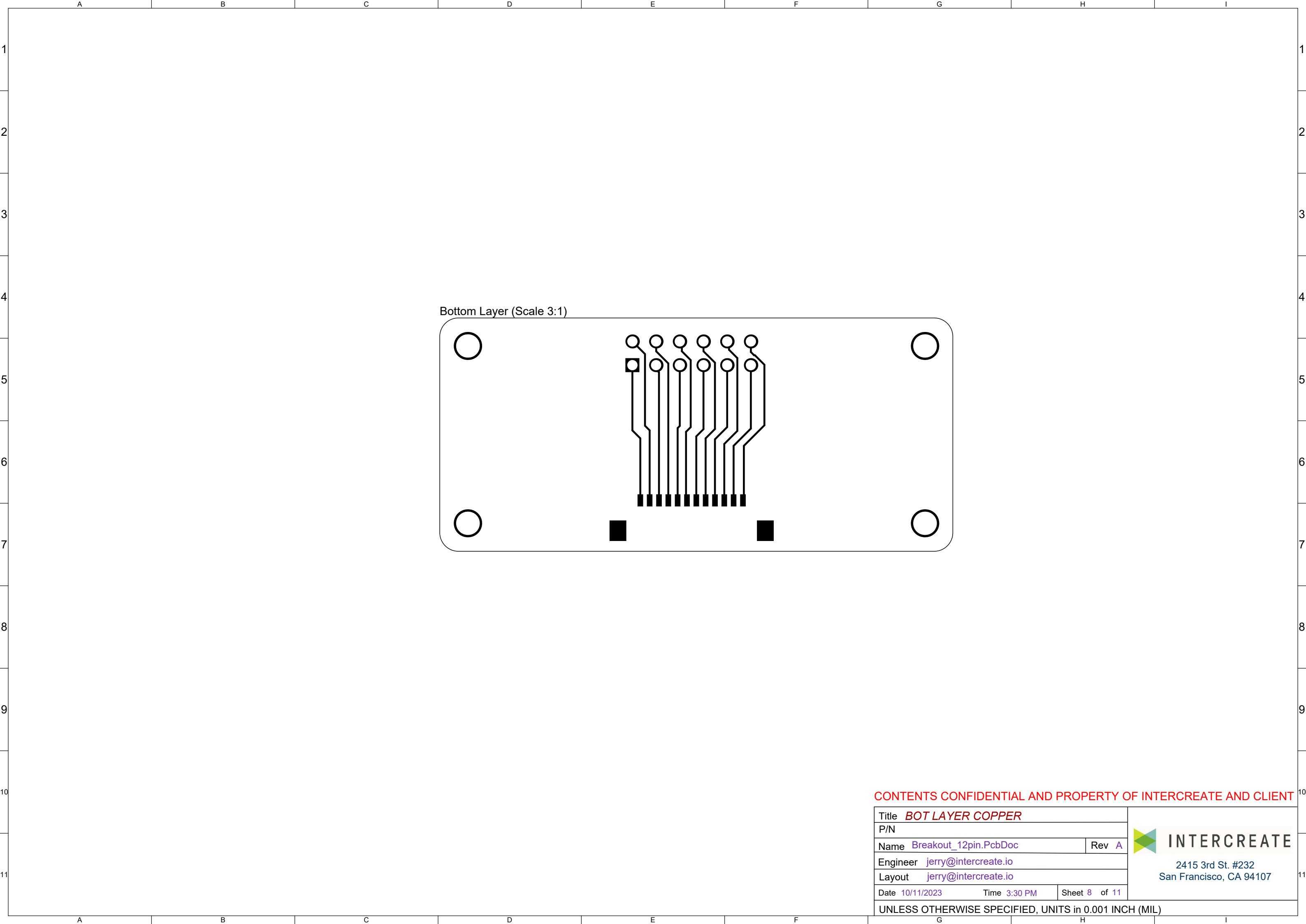
|   |              |               |  |
|---|--------------|---------------|--|
| Title <i>TOP LAYER SOLDERMASK</i>                     |              |               |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |
| P/N   |              |               |  |
| Name Breakout_12pin.PcbDoc                            | Rev A        |               |  |
| Engineer jerry@intercreate.io                         |              |               |  |
| Layout jerry@intercreate.io                           |              |               |  |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 6 of 11 |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |              |               |  |

Top Layer (Scale 3:1)




CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

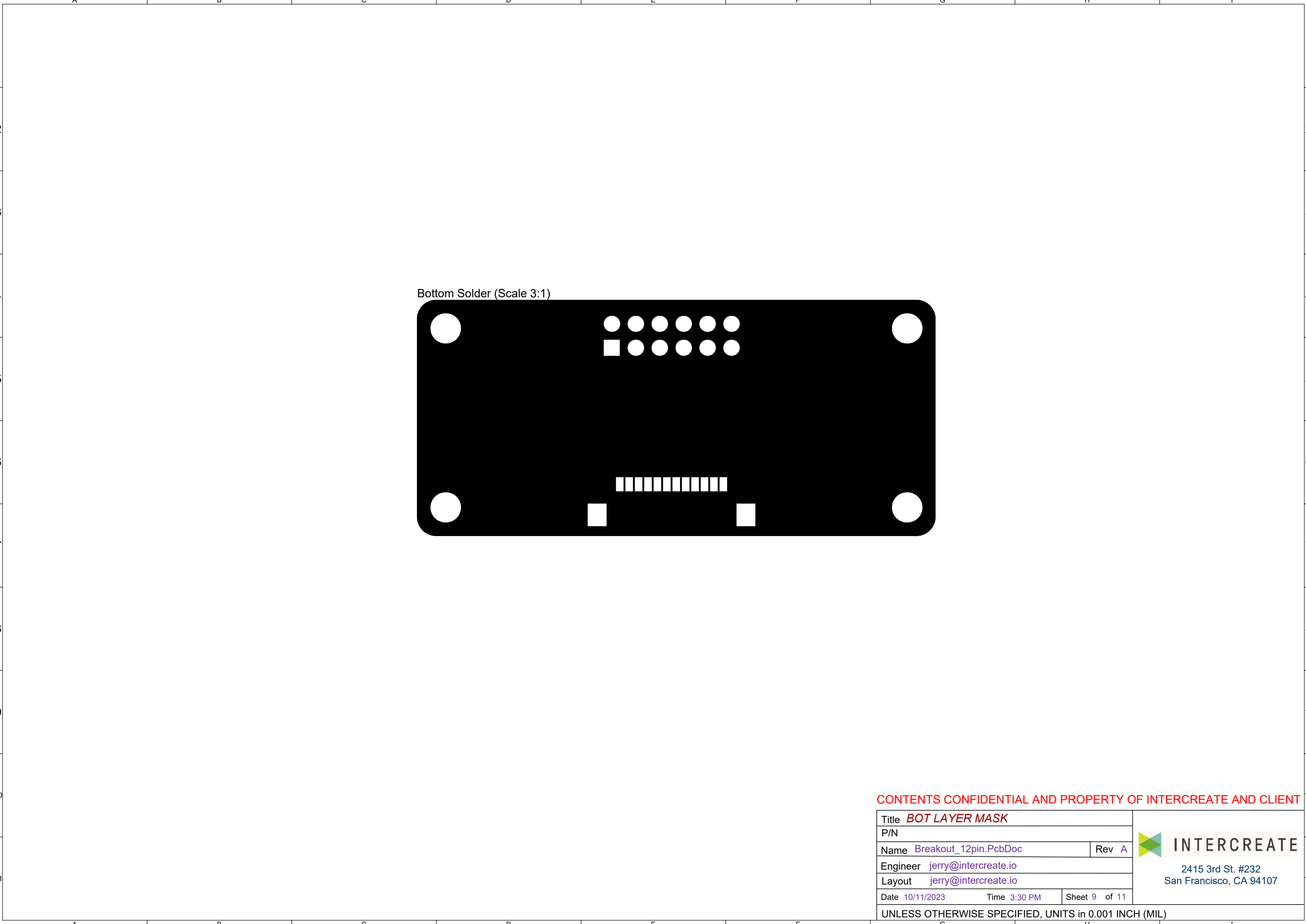
|   |              |               |  |
|---|--------------|---------------|--|
| Title <i>TOP LAYER COPPER</i>                         |              |               |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |
| P/N   |              |               |  |
| Name Breakout_12pin.PcbDoc                            | Rev          | A             |  |
| Engineer jerry@intercreate.io                         |              |               |  |
| Layout jerry@intercreate.io                           |              |               |  |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 7 of 11 |  |
| 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><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |
| P/N   |              |               |  |
| Name Breakout_12pin.PcbDoc                            | Rev          | A             |  |
| Engineer jerry@intercreate.io                         |              |               |  |
| Layout jerry@intercreate.io                           |              |               |  |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 8 of 11 |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |              |               |  |

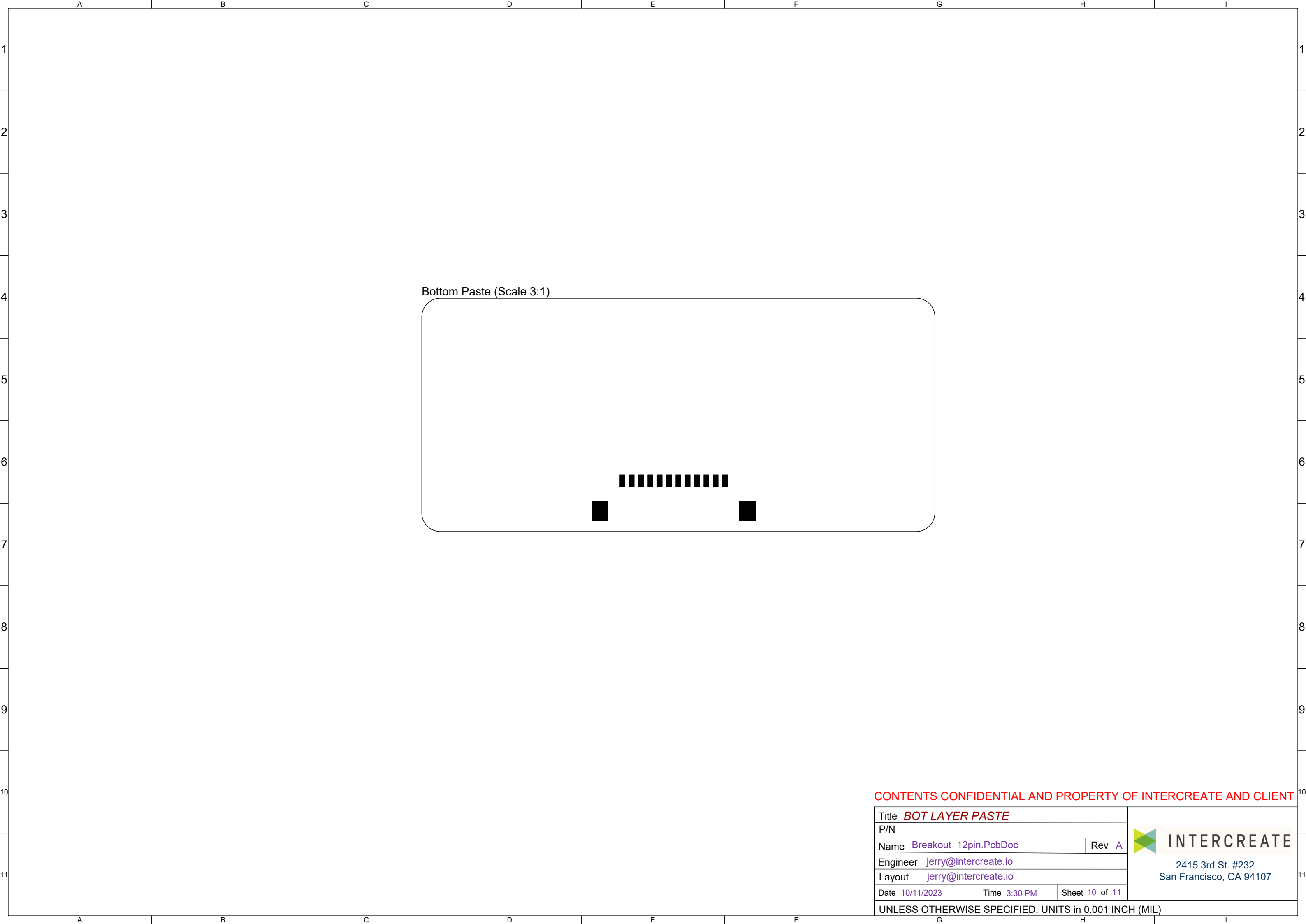




Bottom Solder (Scale 3:1)


CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

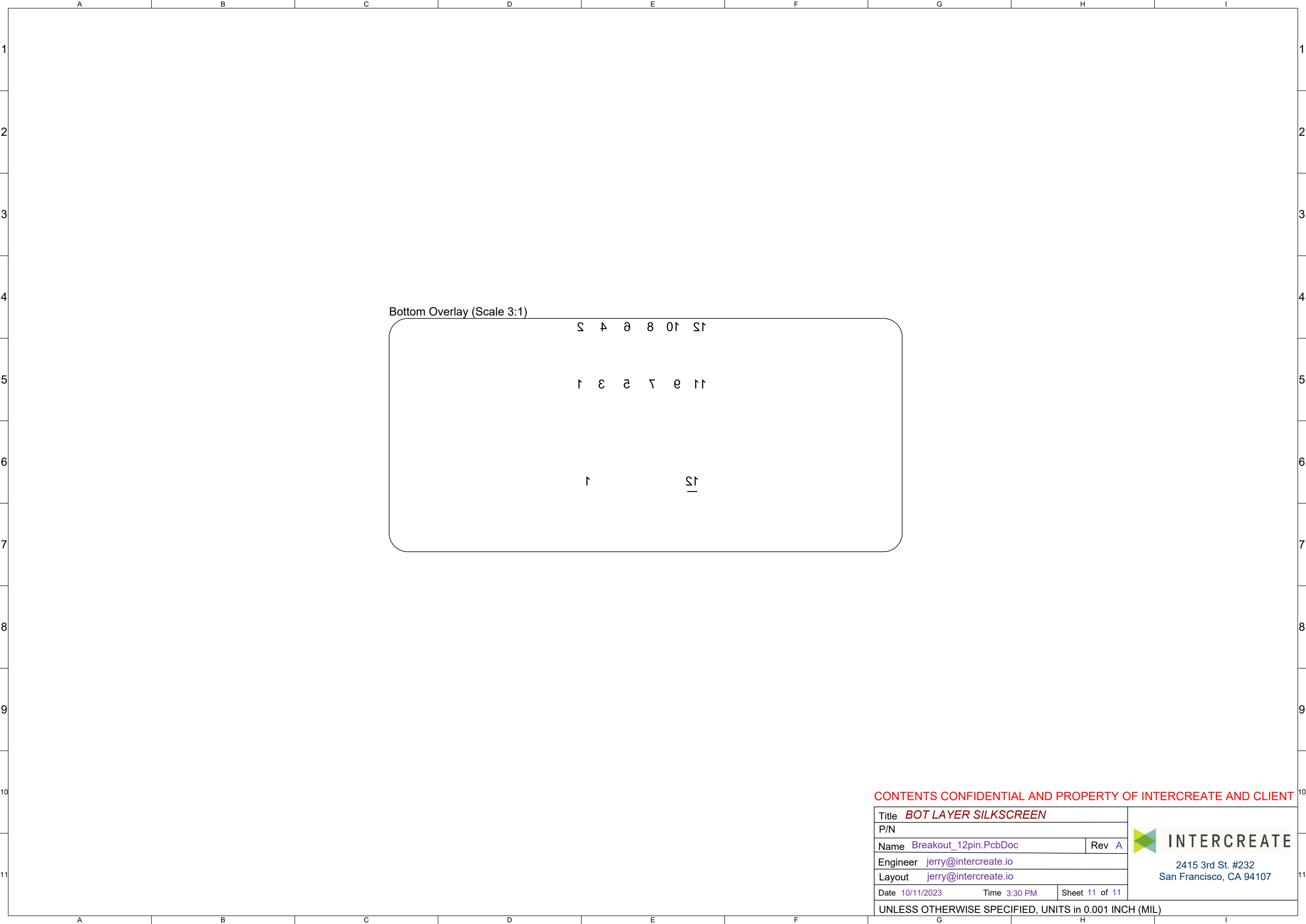
|   |              |               |  |  |
|---|--------------|---------------|--|--|
| Title <i>BOT LAYER MASK</i>                           |              |               |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |  |
| P/N   |              |               |  |  |
| Name Breakout_12pin.PcbDoc                            | Rev A        |               |  |  |
| Engineer jerry@intercreate.io                         |              |               |  |  |
| Layout jerry@intercreate.io                           |              |               |  |  |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 9 of 11 |  |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |              |               |  |  |



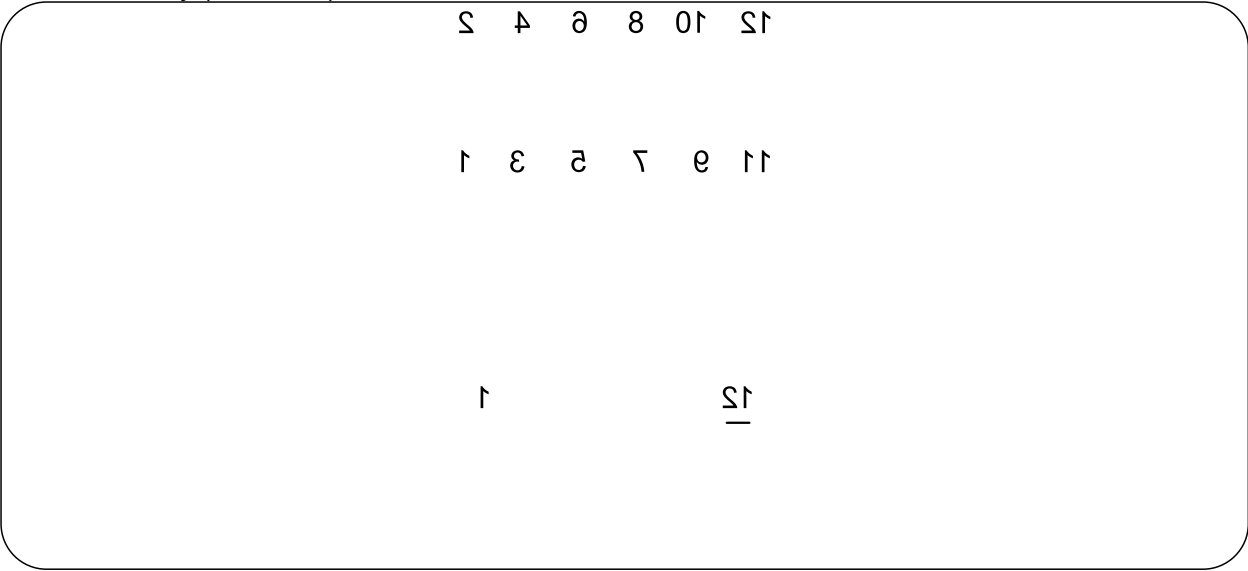
Bottom Paste (Scale 3:1)

CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT


|   |              |                |  |  |
|---|--------------|----------------|--|--|
| Title <b>BOT LAYER PASTE</b>                          |              |                |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |  |
| P/N   |              |                |  |  |
| Name Breakout_12pin.PcbDoc                            | Rev A        |                |  |  |
| Engineer jerry@intercreate.io                         |              |                |  |  |
| Layout jerry@intercreate.io                           |              |                |  |  |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 10 of 11 |  |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |              |                |  |  |



Bottom Overlay (Scale 3:1)



CONTENTS CONFIDENTIAL AND PROPERTY OF INTERCREATE AND CLIENT

|   |              |                |  |  |
|---|--------------|----------------|--|--|
| Title <i>BOT LAYER SILKSCREEN</i>                     |              |                |  <b>INTERCREATE</b><br><br>2415 3rd St. #232<br>San Francisco, CA 94107 |  |
| P/N   |              |                |  |  |
| Name Breakout_12pin.PcbDoc                            |              | Rev A          |  |  |
| Engineer jerry@intercreate.io                         |              |                |  |  |
| Layout jerry@intercreate.io                           |              |                |  |  |
| Date 10/11/2023                                       | Time 3:30 PM | Sheet 11 of 11 |  |  |
| UNLESS OTHERWISE SPECIFIED, UNITS in 0.001 INCH (MIL) |              |                |  |  |