PWB RELEASED AS 102-73181-28

FABRICATE TO IPC CLASS 2

PARTS SUBSTITUTIONS TO BE PROCESSED THROUGH VENDOR SUPPLIED WEB INTERFACE

EXCELLON DRILL FILE
102_73181_29drill .XLN

GERBER FILE STANDARDS INFORMATION
UNITS INCHES
TOOL UNITS INCHES
COORDINATES ABSOLUTE
NUMBER FORMAT 2.4

SURFACE FINISH HASL

HOLE PLATING GUIDELINE
HOLES WITH ANNULAR RING ARE TO BE PLATED
HOLES WITHOUT AN ANNULAR RING ARE NOT TO BE PLATED

HOLE FILL GUIDELINE
HOLES DRILLED 0.025" AND SMALLER ARE TO BE FILLED
HOLES DRILLED 0.0256" AND LARGER ARE NOT FILLED

NOMINAL BOARD THICKNESS IS 0.062 INCH UNLESS SPECIFIED DIFFERENTLY

LAYERING ORDER

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>GERBER FILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MARKING INK</td>
<td>102_73181_29.gts .GTD</td>
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<tr>
<td>2</td>
<td>SOLDER MASK</td>
<td>102_73181_29.gts .GTS</td>
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<tr>
<td>3</td>
<td>COPPER 1OZ</td>
<td>102_73181_29.gm01 .GTL</td>
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<tr>
<td>4</td>
<td>LAMINATE</td>
<td></td>
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<tr>
<td>5</td>
<td>COPPER 1OZ</td>
<td>102_73181_29.gm16 .GBL</td>
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<tr>
<td>6</td>
<td>SOLDER MASK</td>
<td>102_73181_29.gbs .GBS</td>
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<tr>
<td>7</td>
<td>MARKING INK</td>
<td>102_73181_29.gbo .GBO</td>
</tr>
</tbody>
</table>

SPECIFIED BOARD THICKNESS

PICK/PLACE ZERO POINT

0.650 (16.51) 1.000 (25.4) 1.950 (49.53)

-1.800 (45.72) 2.450 (62.23) 2.575 (65.105)

1.100 (27.94) 0.236 (6.0)

0.625 (15.875) 1.6 (40.64) 2.367 (60.125)

Drawn: KC0JFO Date: 4/6/21
Designed: KC0JFO Date: 4/6/21
Approval: Date: 4/6/21

The University of Iowa
Department of Physics & Astronomy
Iowa City, IA, USA

PWB: SOT89 RF AMP (TX_ENA)

Plot: 4/6/21 5:43 PM Save: 4/6/21 5:43 PM

CAGE: 2D354 Series: 102 FOX TRANSMITTER LAYERS: 2 Number: 73181 REV: 28