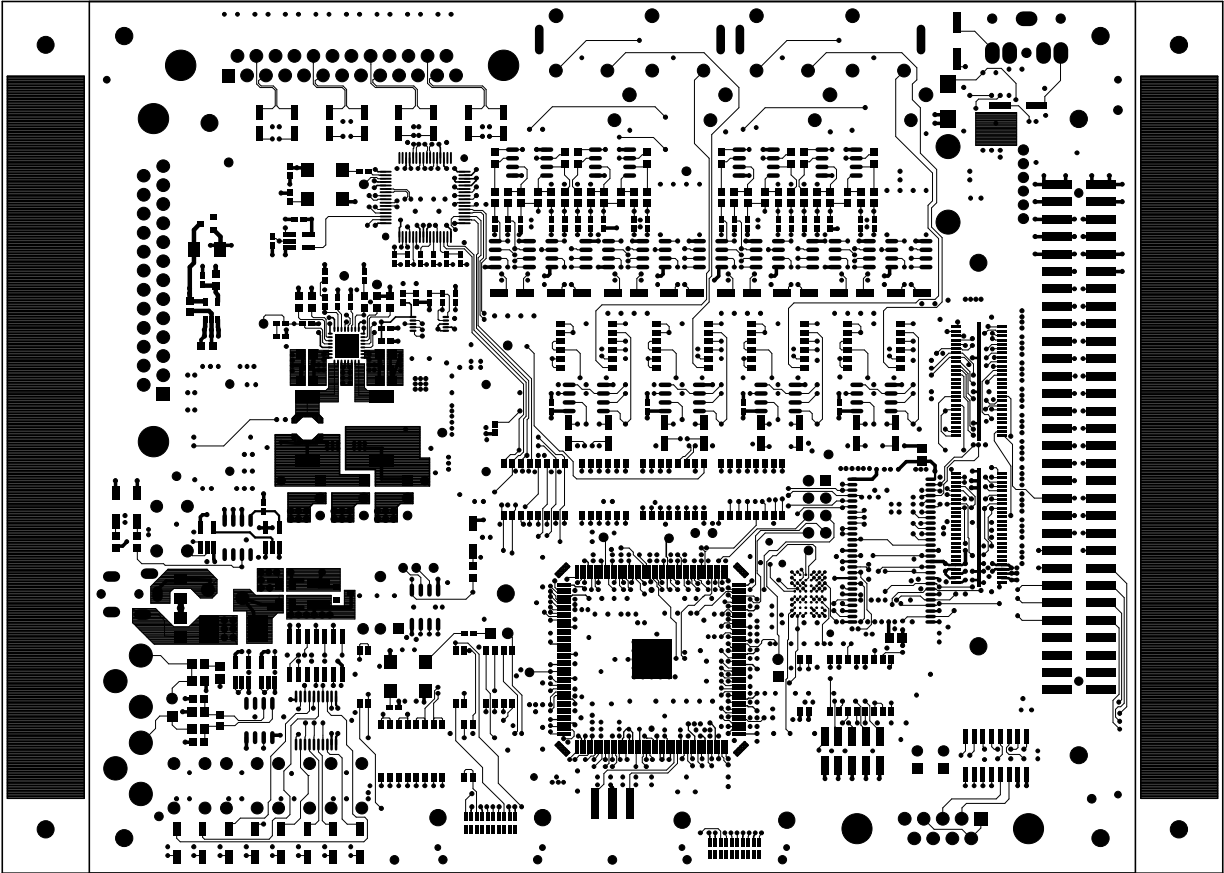

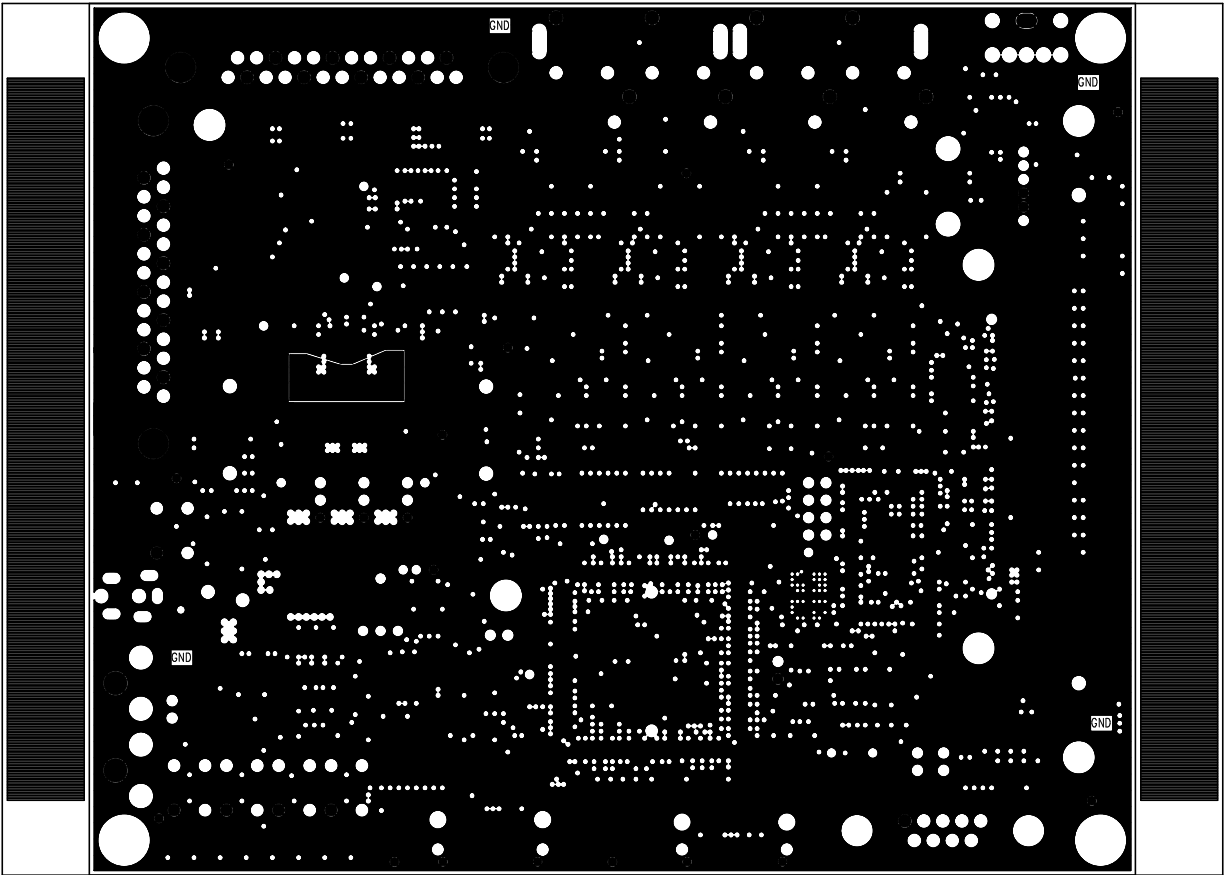



| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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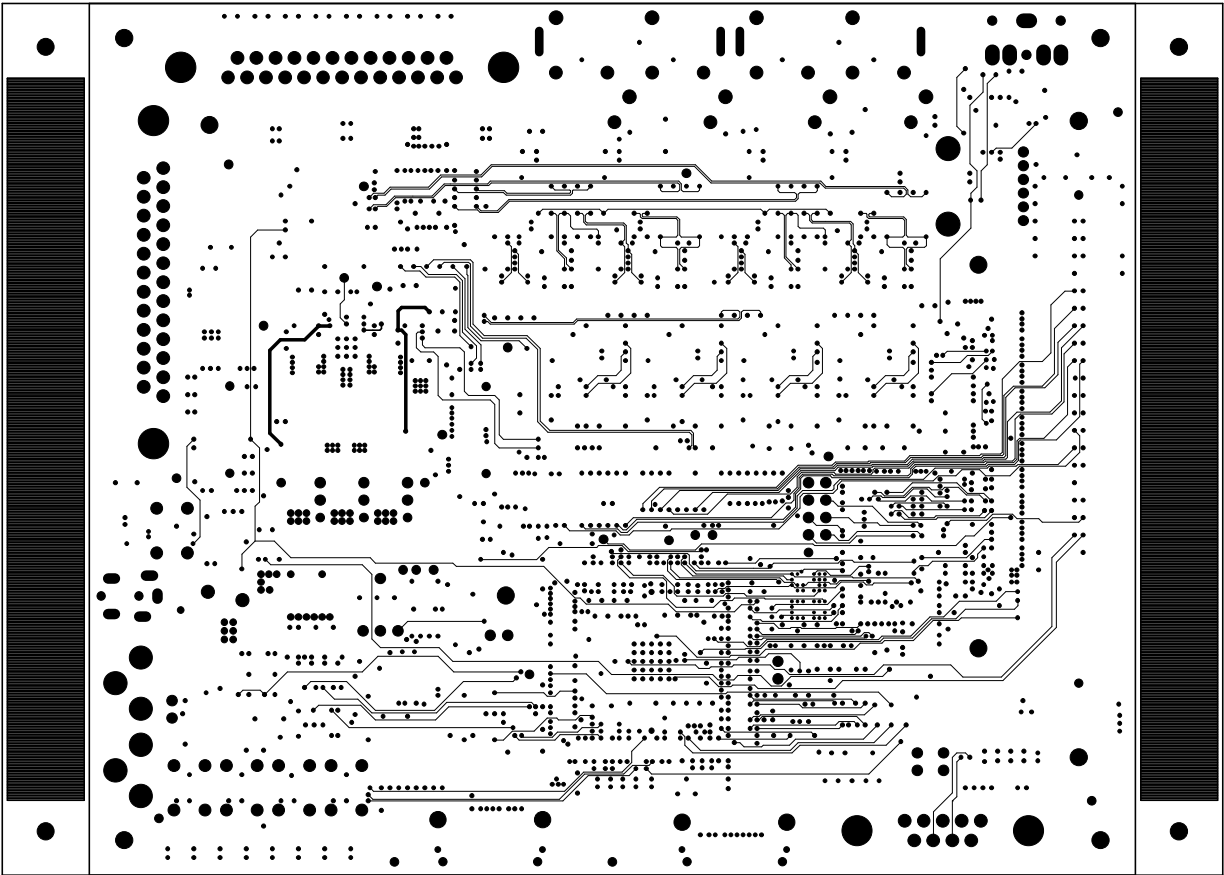
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|--|---------------|----------|--|------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          | <div><div></div><div>20 Cotton Road<br/>Nashua, New Hampshire 03063<br/>(603) 883-2430 FAX (603) 882-2655</div></div> |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 1 TOP SIDE<br>ADSP-21489 AVP EZ-BUB  |                        |
|  | CHECKED       |          |  |                        |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
| FINISH   | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 1 OF 16          |

| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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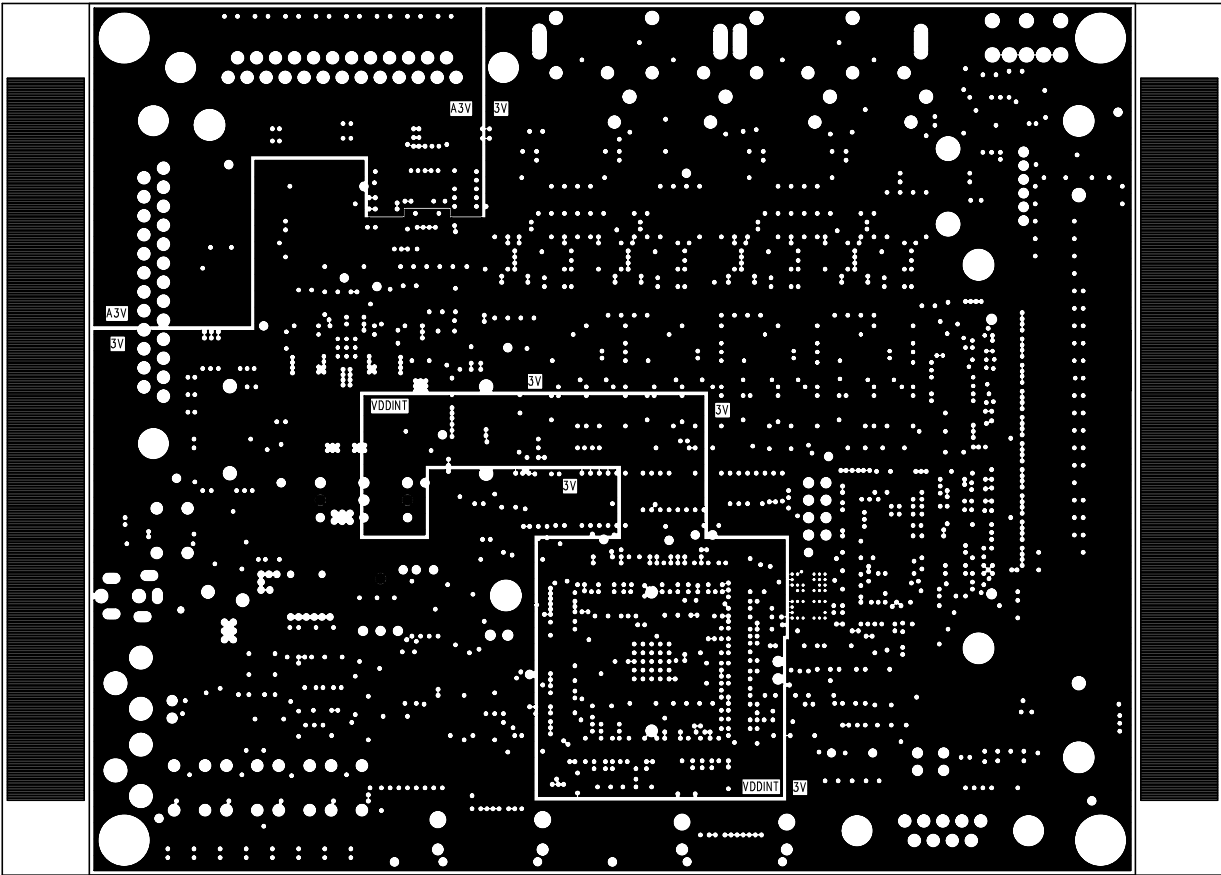
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|--|---------------|----------|--|------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 2 GROUND PLANE<br>ADSP-21489 AVP EZ-BUB  |                        |
|  | CHECKED       |          |  |                        |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
| FINISH   | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 2 OF 16          |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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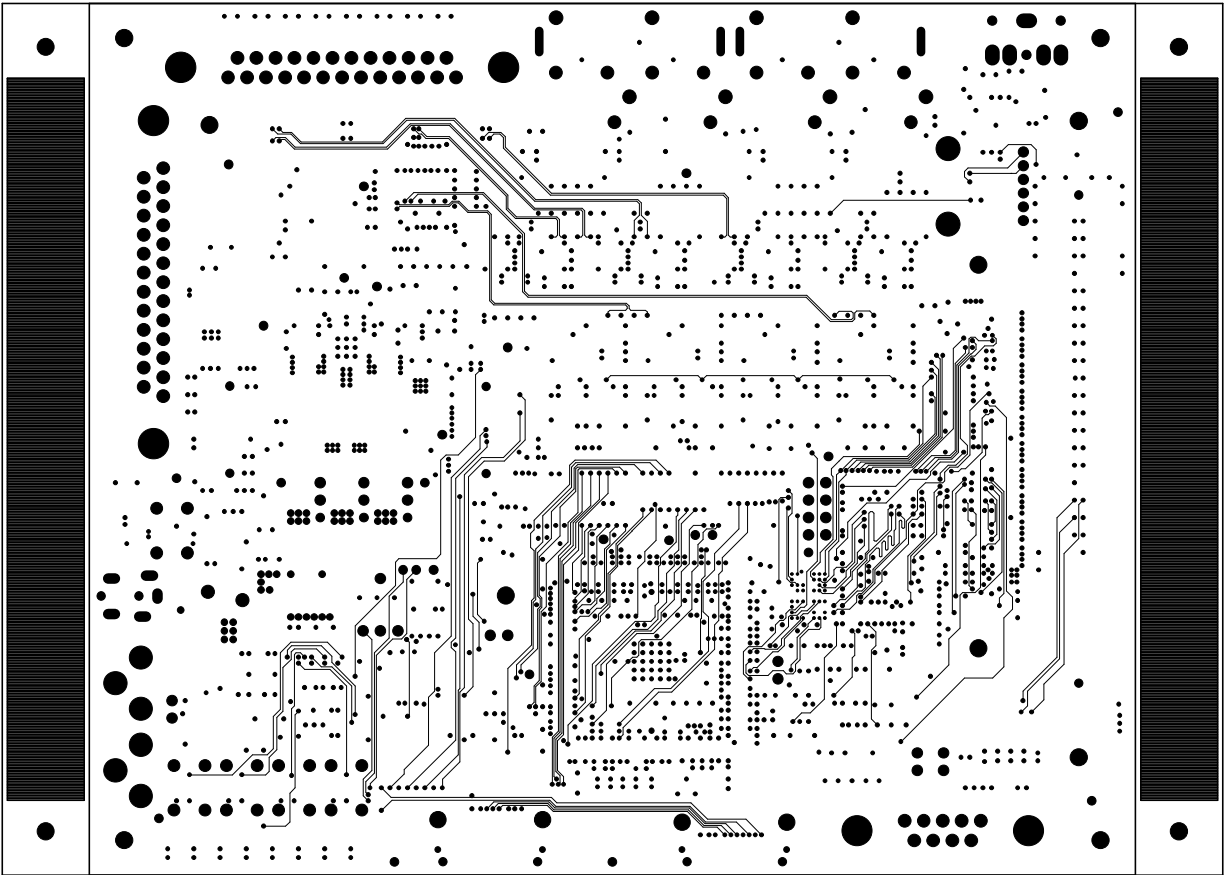
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          | <div><div><div></div><div>ANALOG<br/>DEVICES</div></div><div>20 Cotton Road<br/>Nashua, New Hampshire 03063<br/>(603) 883-2430 FAX (603) 882-2655</div></div> |                        | LAYER 3 INTERNAL SIGNAL<br>ADSP-21489 AVP EZ-BUB |  |
|  | APPROVALS     | DATE     |   |                        |  |  |
|  | DRAWN C.C.D.  | 01/18/12 |   |                        |  |  |
|  | CHECKED       |          |   |                        |  |  |
| MATERIAL   |               |          | SIZE<br>B   | DWG. NO.<br>A0301-2011 | REV.<br>0.1                                      |  |
| FINISH   | ENGINEERING   |          |   |                        |  |  |
|  | QUALITY       |          |   |                        |  |  |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1   | SHEET 3 OF 16          |  |  |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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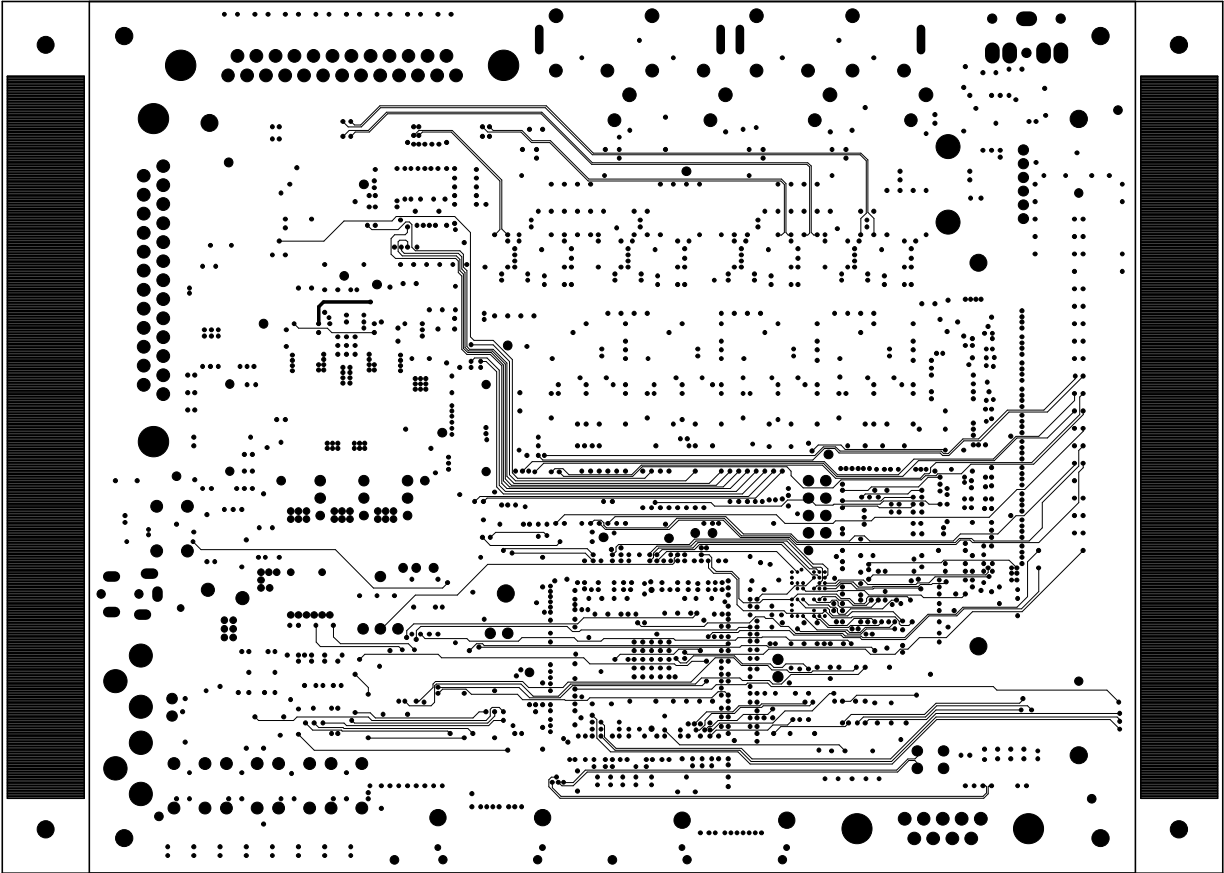
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 4 POWER PLANE<br>ADSP-21489 AVP EZ-BUB   |                        |
|  | CHECKED       |          |  |                        |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
| FINISH   | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 4 OF 16          |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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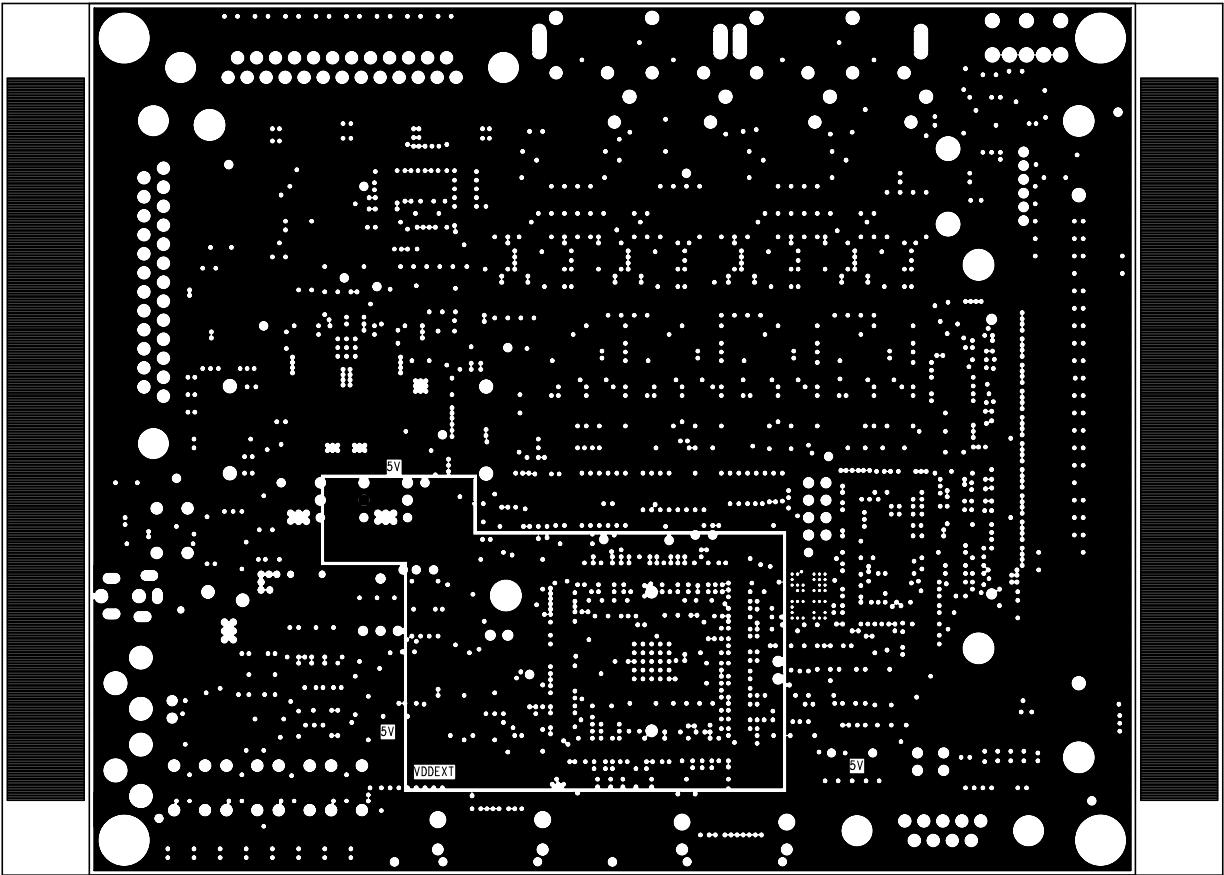
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 5 INTERNAL SIGNAL<br>ADSP-21489 AVP EZ-BUB   |                        |
|  | CHECKED       |          |  |                        |
| FINISH   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
|  | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 5 OF 16          |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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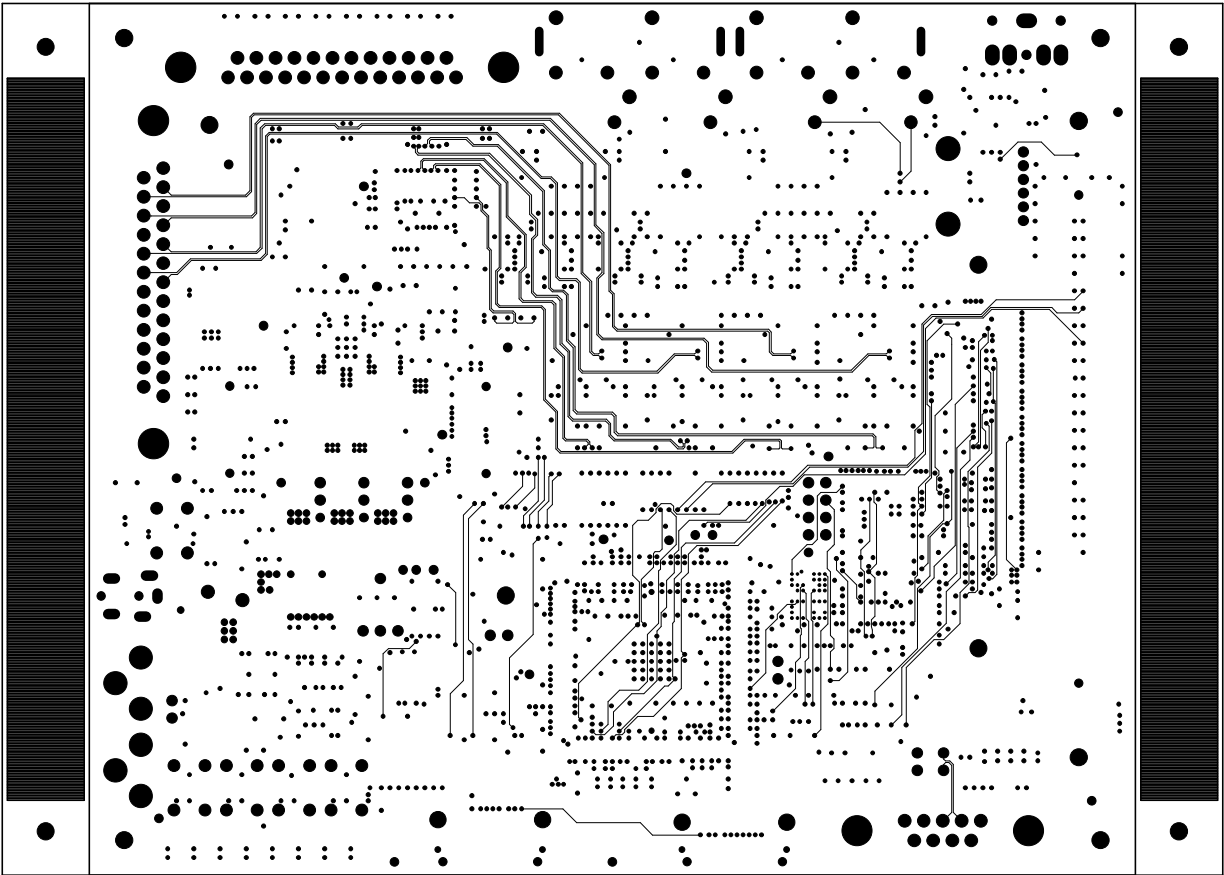
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 6 INTERNAL SIGNAL<br>ADSP-21489 AVP EZ-BUB   |                        |
|  | CHECKED       |          |  |                        |
| FINISH   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
|  | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 6 OF 16          |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 7 POWER PLANE<br>ADSP-21489 AVP EZ-BUB   |                        |
|  | CHECKED       |          |  |                        |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
| FINISH   | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 7 OF 16          |

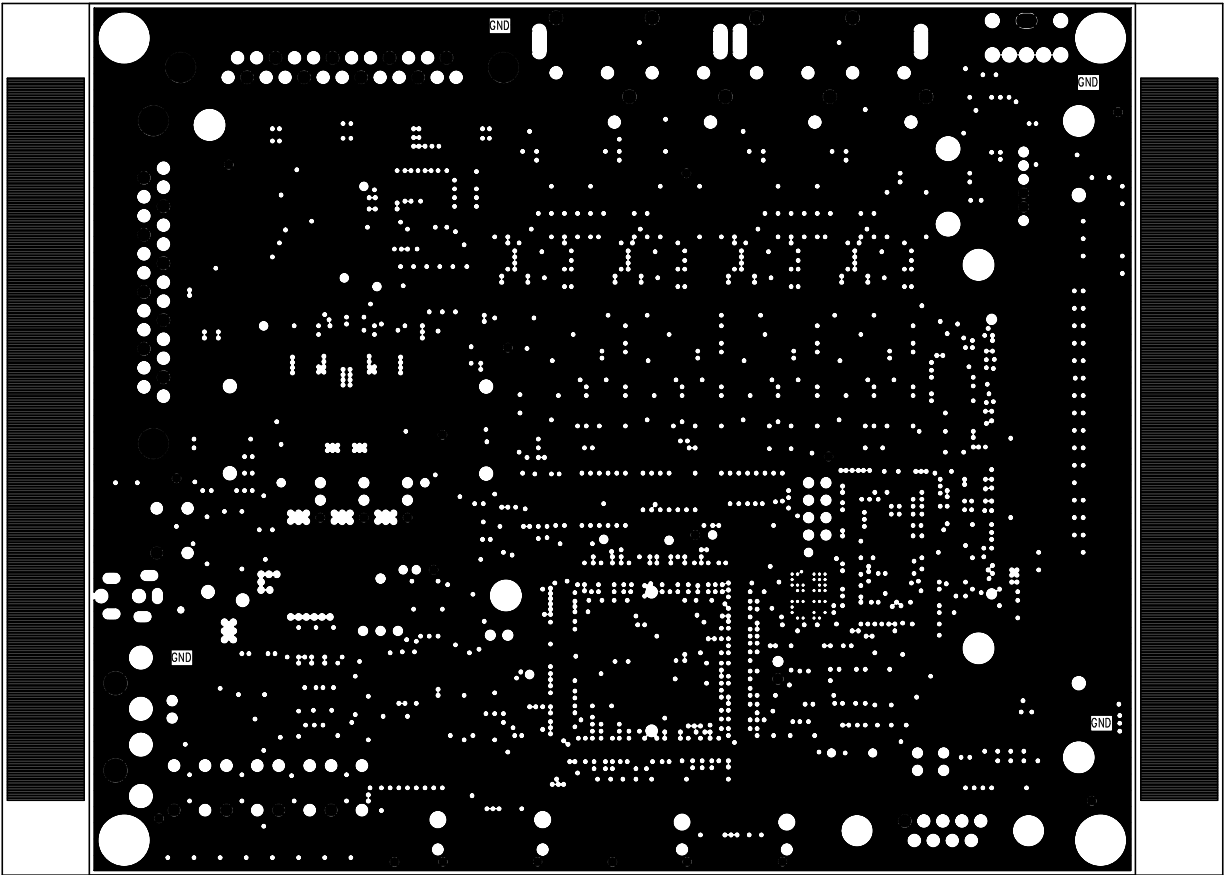
| REVISIONS |                       |        |          |          |
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| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 8 INTERNAL SIGNAL<br>ADSP-21489 AVP EZ-BUB   |                        |
|  | CHECKED       |          |  |                        |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
| FINISH   | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 8 OF 16          |

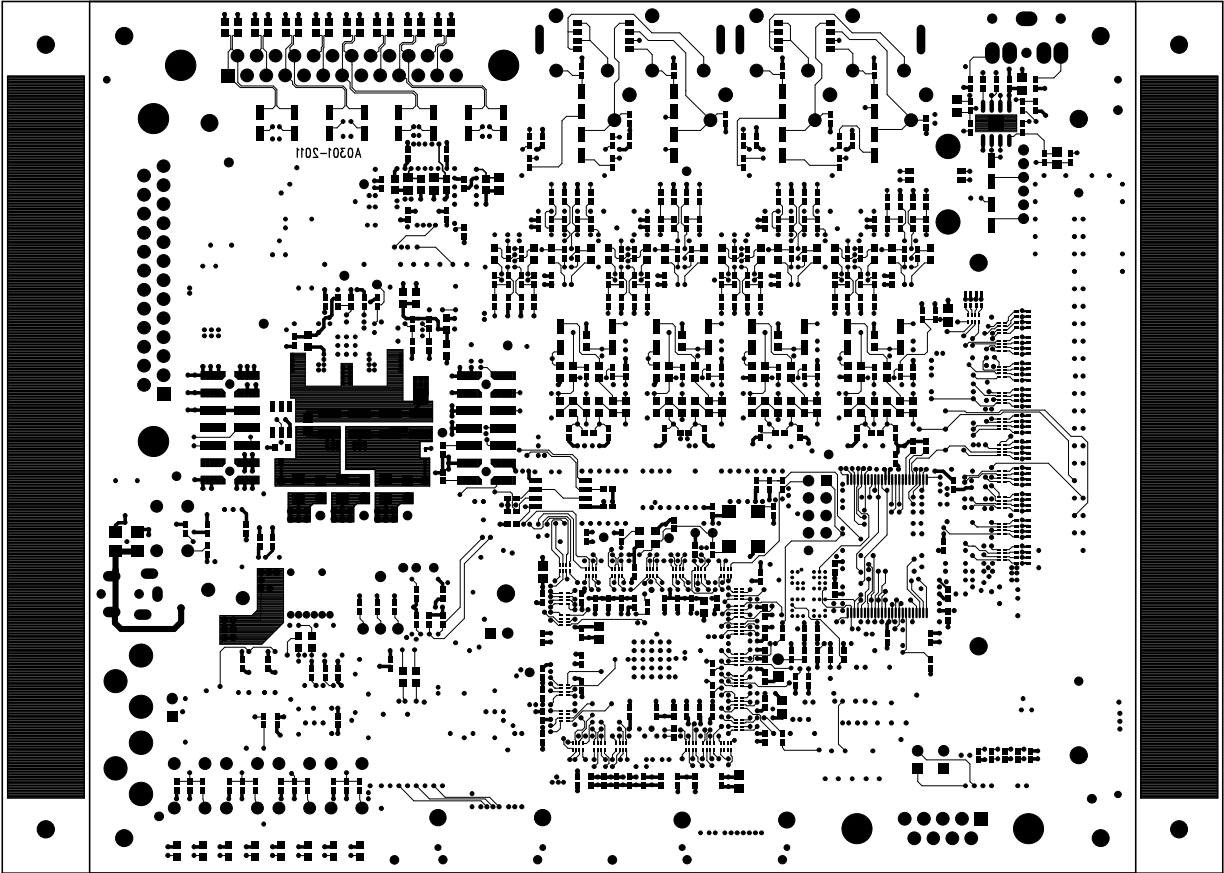



| REVISIONS |                       |        |          |          |
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| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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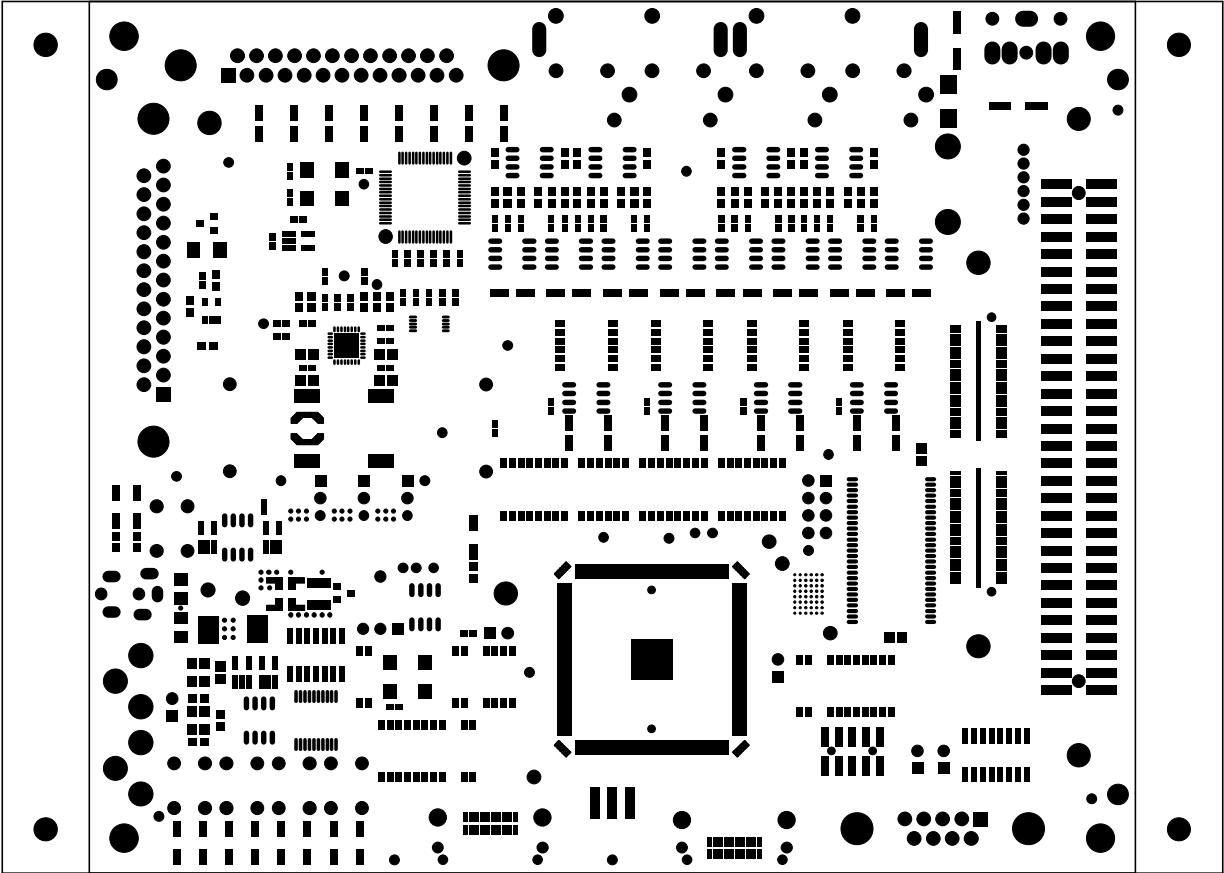
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 9 GROUND PLANE<br>ADSP-21489 AVP EZ-BUB  |                        |
|  | CHECKED       |          |  |                        |
| FINISH   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
|  | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 9 OF 16          |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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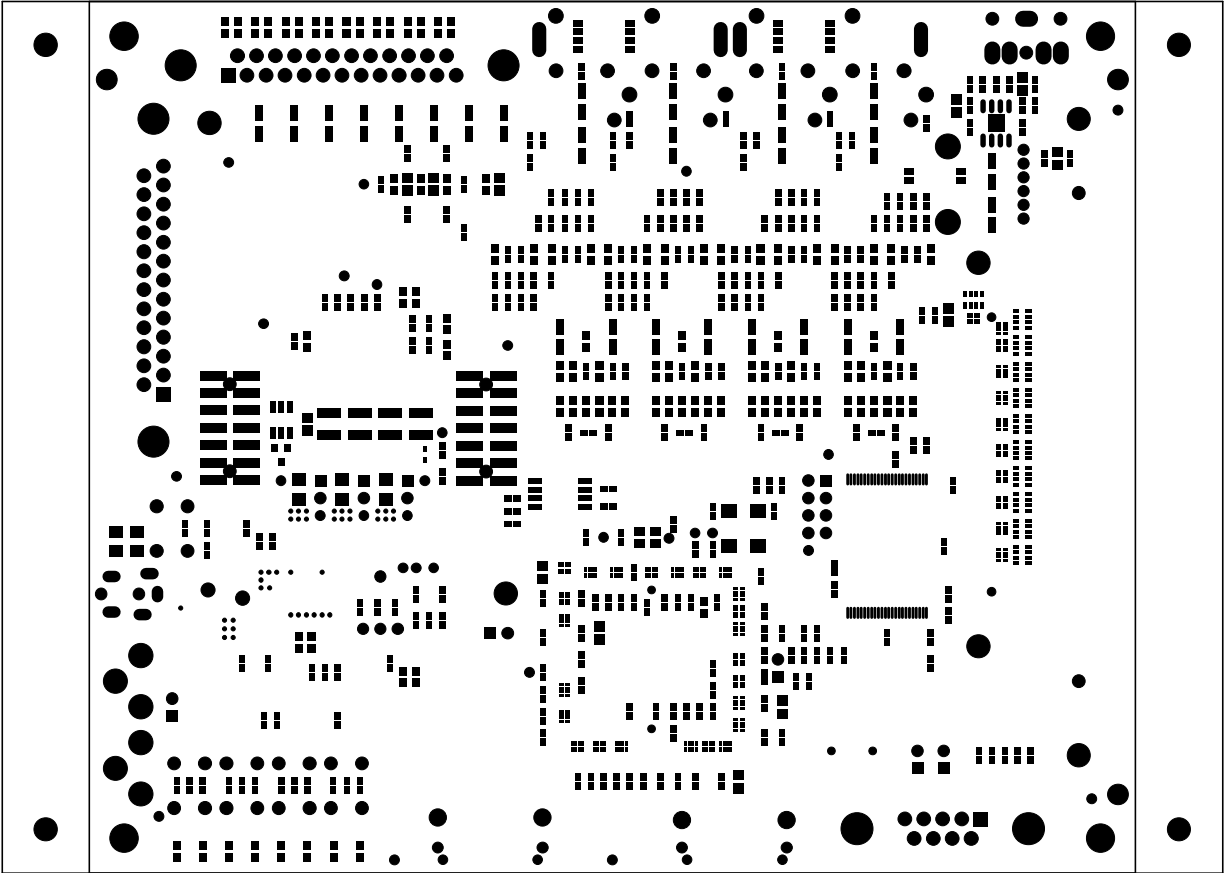
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | LAYER 10 BOTTOM SIDE<br>ADSP-21489 AVP EZ-BUB  |                        |
|  | CHECKED       |          |  |                        |
| FINISH   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
|  | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 10 OF 16         |


| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                     |
|  | APPROVALS     | DATE     |  |                     |
|  | DRAWN C.C.D.  | 01/18/12 | SOLDER MASK TOP SIDE<br>ADSP-21489 AVP EZ-BUB  |                     |
|  | CHECKED       |          |  |                     |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO. A0301-2011 |
| FINISH   | QUALITY       |          |  |                     |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 11 OF 16      |

| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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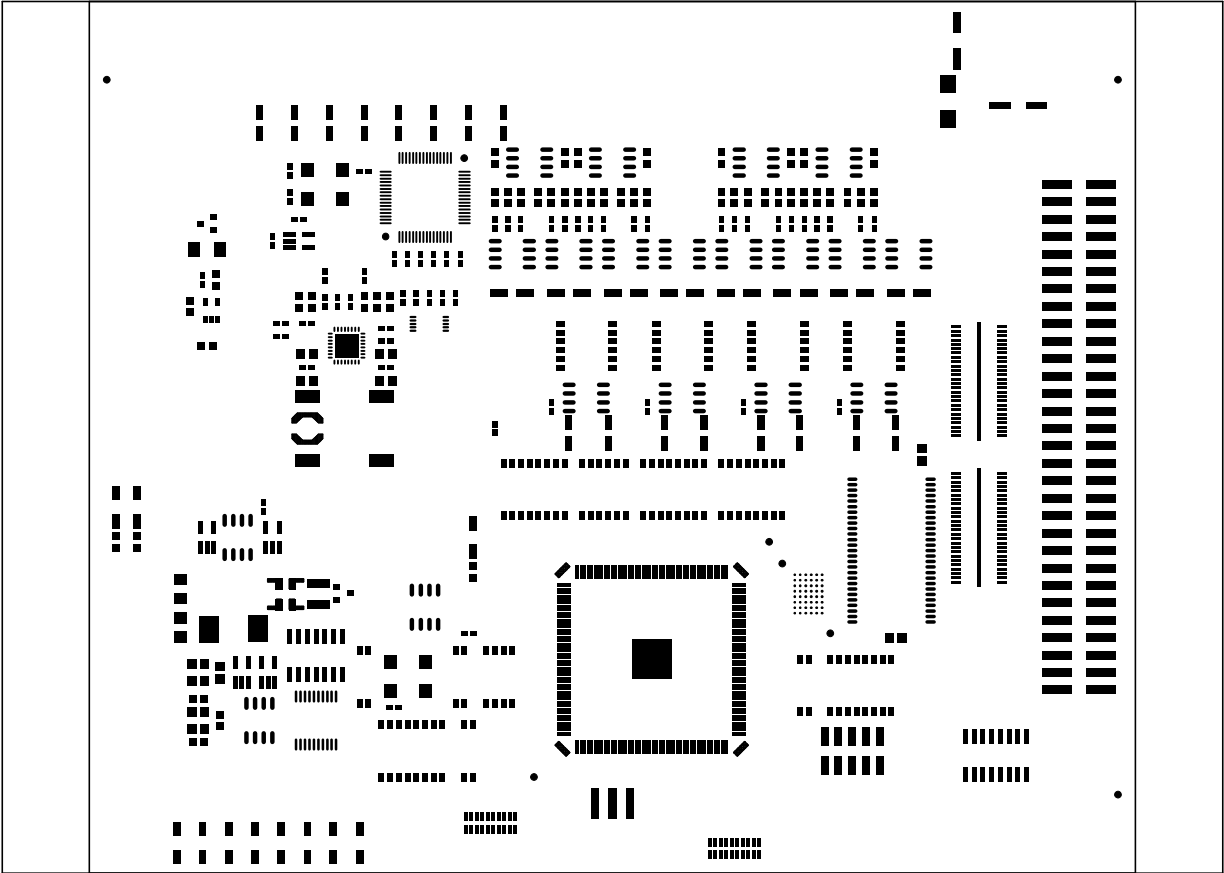



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| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                     |
|  | APPROVALS     | DATE     |  |                     |
|  | DRAWN C.C.D.  | 01/18/12 | SOLDER MASK BOTTOM SIDE<br>ADSP-21489 AVP EZ-BUB   |                     |
|  | CHECKED       |          |  |                     |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO. A0301-2011 |
| FINISH   | QUALITY       |          |  |                     |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 12 OF 16      |



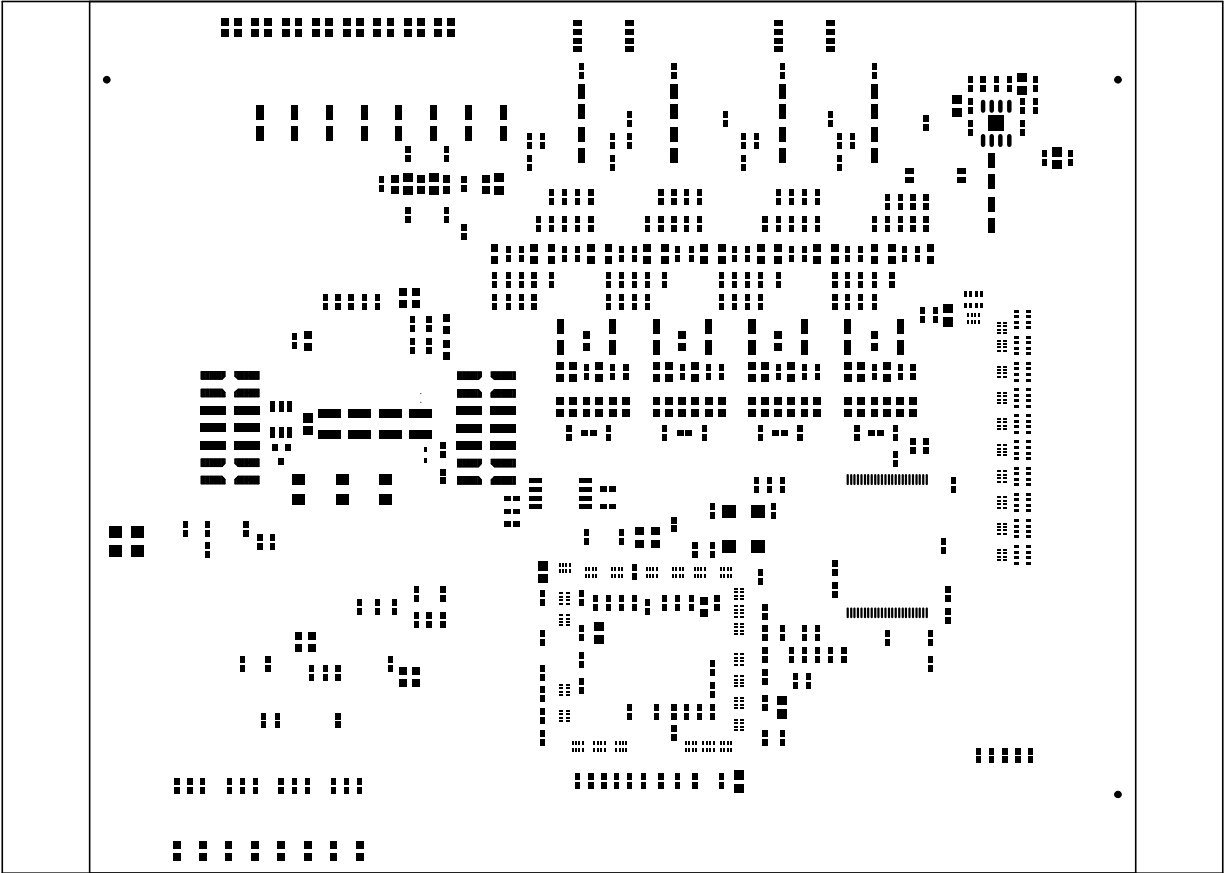



| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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|--|---------------|----------|--|------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                        |
|  | APPROVALS     | DATE     |  |                        |
|  | DRAWN C.C.D.  | 01/18/12 | SOLDER PASTE TOP SIDE<br>ADSP-21489 AVP EZ-BUB   |                        |
|  | CHECKED       |          |  |                        |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO.<br>A0301-2011 |
| FINISH   | QUALITY       |          |  |                        |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 15 OF 16         |

| REVISIONS |                       |        |          |          |
|-----------|-----------------------|--------|----------|----------|
| REV       | DESCRIPTION OF CHANGE | DRFTR  | DATE     | APPROVED |
| 0.1       | NEW RELEASE           | C.C.D. | 01/18/12 |          |
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|--|---------------|----------|--|---------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE :<br>.XX +/- .010 .XXX +/- .005 | CONTRACT NO.  |          |  20 Cotton Road<br>Nashua, New Hampshire 03063<br>(603) 883-2430 FAX (603) 882-2655 |                     |
|  | APPROVALS     | DATE     |  |                     |
|  | DRAWN C.C.D.  | 01/18/12 | SOLDER PASTE BOTTOM SIDE<br>ADSP-21489 AVP EZ-BUB  |                     |
|  | CHECKED       |          |  |                     |
| MATERIAL   | ENGINEERING   |          | SIZE<br>B  | DWG. NO. A0301-2011 |
| FINISH   | QUALITY       |          |  |                     |
| DO NOT SCALE THIS DRAWING  | MANUFACTURING |          | SCALE 1 : 1  | SHEET 16 OF 16      |