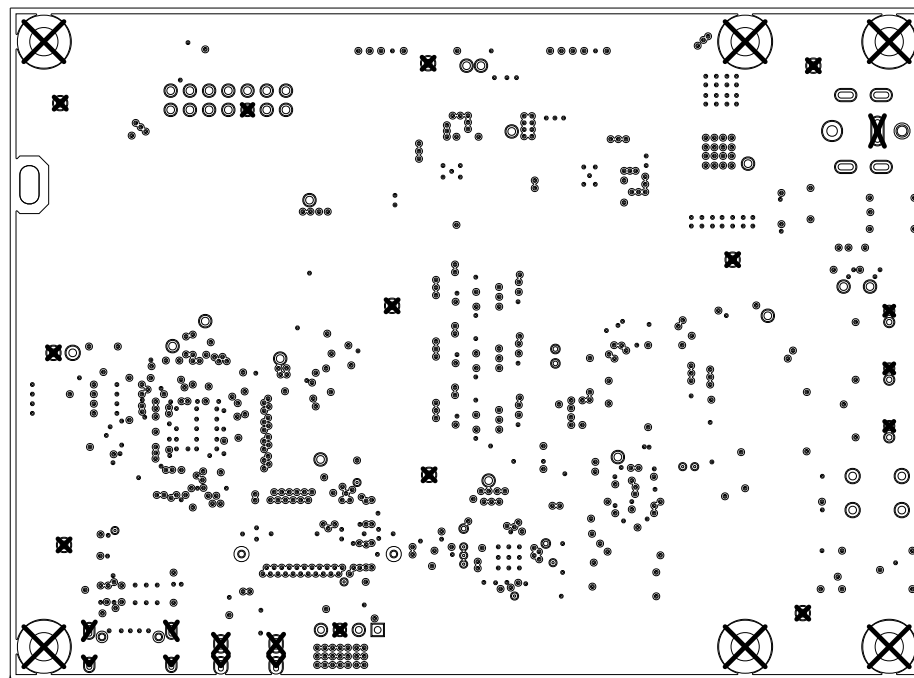
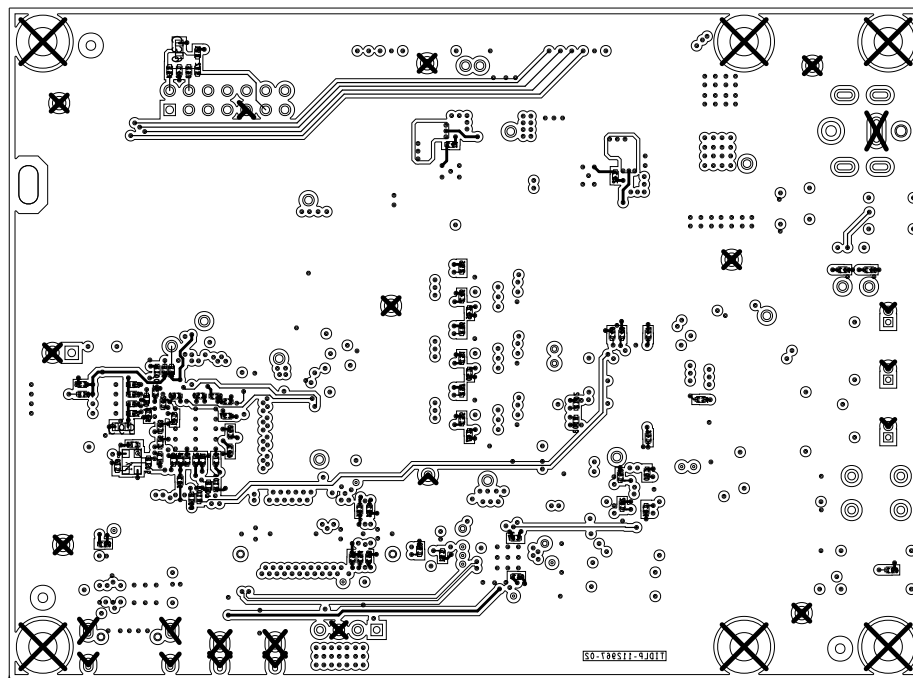


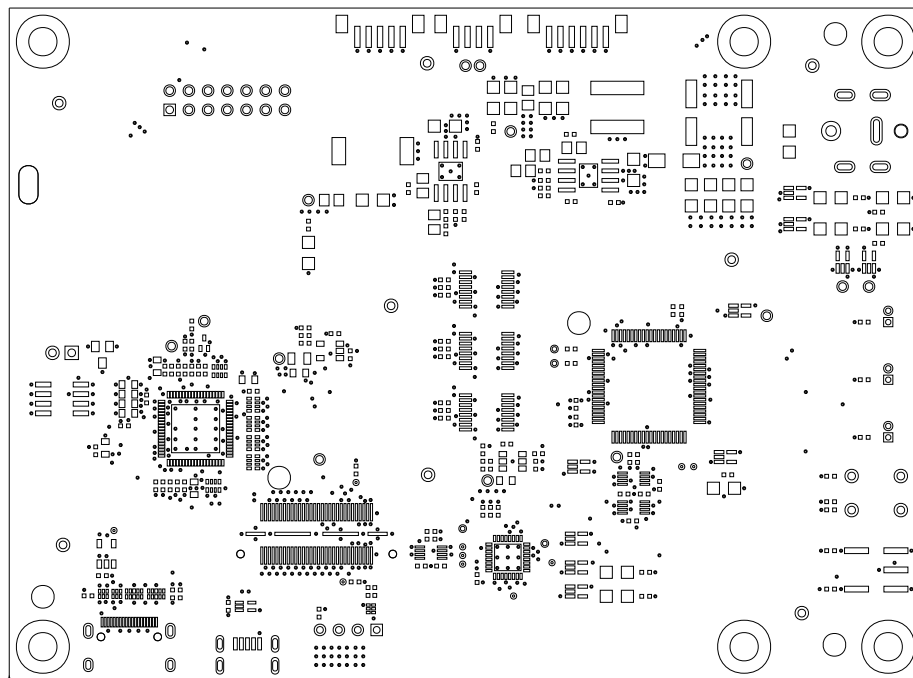
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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | |
| BOARD NAME | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | LAYER 1 - TOP | | | | | |
| BOARD NO. | | 2515336 | | REV | A | DATE | | 31 OCT 2017 | | PRJ# | | TIDL P-112967-03 | | SH | 1 | OF | 15 |



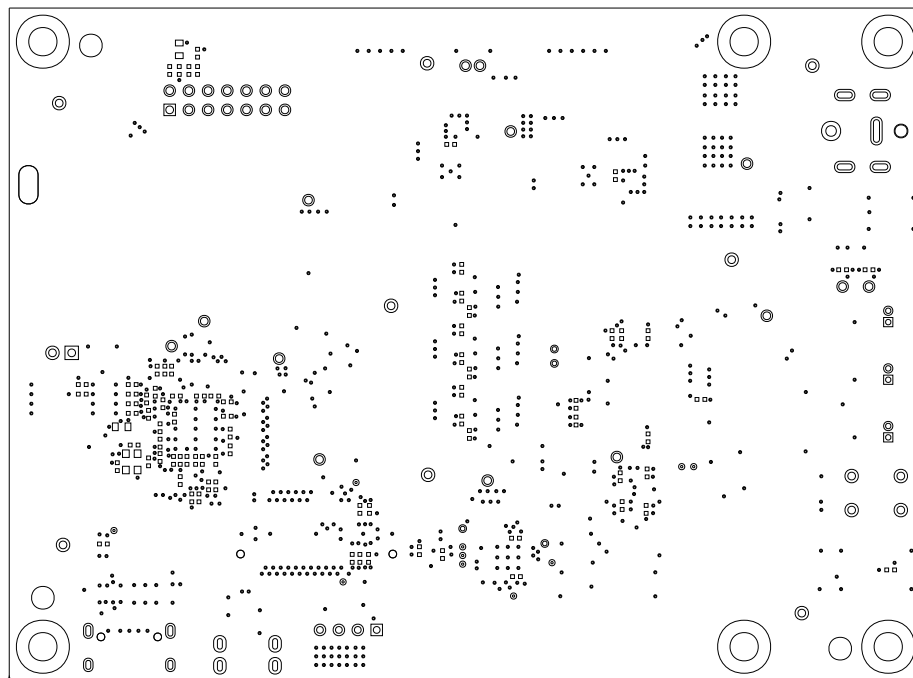
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| CUSTOMER NAME | | | | | TEXAS INSTRUMENTS | | | | | DRAWN | | | | | QC GRAPHICS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOARD NAME | | | | | | | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | | | | | | | DESCRIPTION | | | | | | | | | | LAYER 2 - GND PLANE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOARD NO. | | | | | 2515336 | | | | | REV | | | | | A | | | | | DATE | | | | | 31 OCT 2017 | | | | | PRJ# | | | | | TIDL P-112967-03 | | | | | SH | | | | | 2 | | | | | OF | | | | | 15 | | | | |



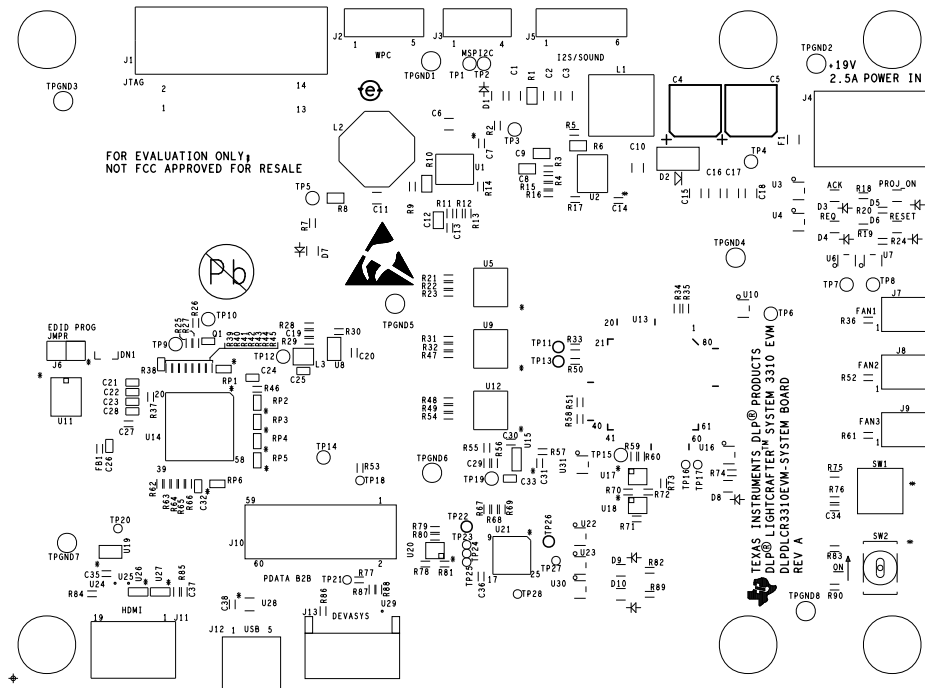
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| CUSTOMER NAME TEXAS INSTRUMENTS | | | | | DRAWN QC GRAPHICS | |
| BOARD NAME DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION LAYER 8 - BOTTOM | | |
| BOARD NO. 2515336 | | REV A | DATE 31 OCT 2017 | PRJ# TIDL P-112967-03 | SH 8 | OF 15 |



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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | |
| BOARD NAME | | | | DLPDLR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | SOLDERMASK TOP | | | | | |
| BOARD NO. | | 2515336 | | REV | A | DATE | | 31 OCT 2017 | | PRJ# | | TIDL-112967-03 | | SH | 9 | OF | 15 |



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| CUSTOMER NAME | | | | | TEXAS INSTRUMENTS | | | | | DRAWN | | | | | QC GRAPHICS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOARD NAME | | | | | | | | | | DLPLDCR3310EVM SYSTEM BOARD | | | | | | | | | | DESCRIPTION | | | | | | | | | | SOLDERMASK BOTTOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOARD NO. | | | | | 2515336 | | | | | REV | | | | | A | | | | | DATE | | | | | 31 OCT 2017 | | | | | PRJ# | | | | | TIDL P-112967-03 | | | | | SH | | | | | 10 | | | | | OF | | | | | 15 | | | | |



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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | | | | | | | |
| BOARD NAME | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | SILKSCREEN TOP | | | | | | | | | | | |
| BOARD NO. | | 2515336 | | REV | | A | | DATE | | 31 OCT 2017 | | PRJ# | | TIDL-112967-03 | | SH | | 11 | | OF | | 15 | |

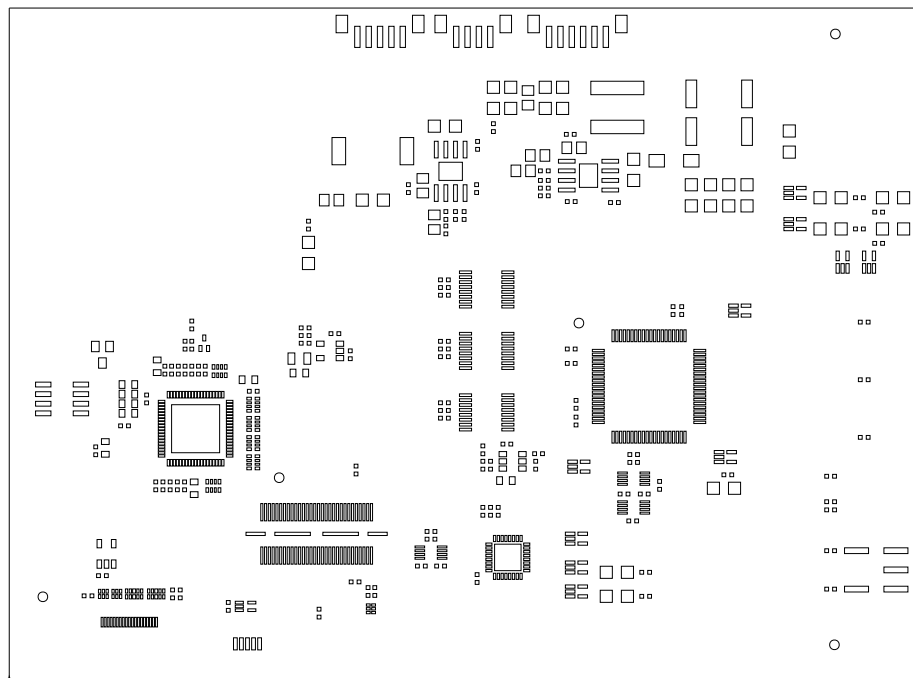
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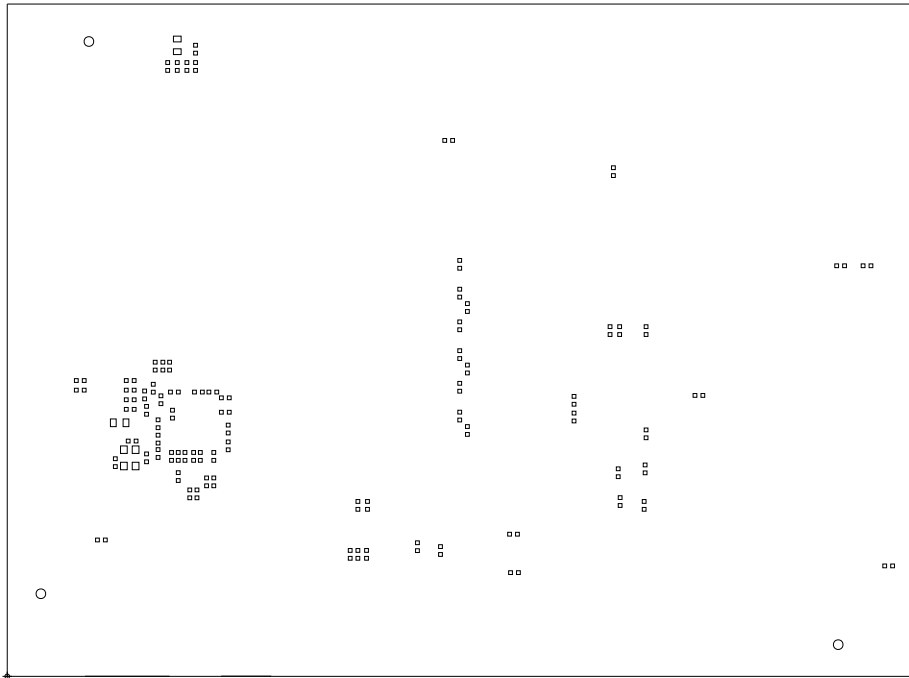
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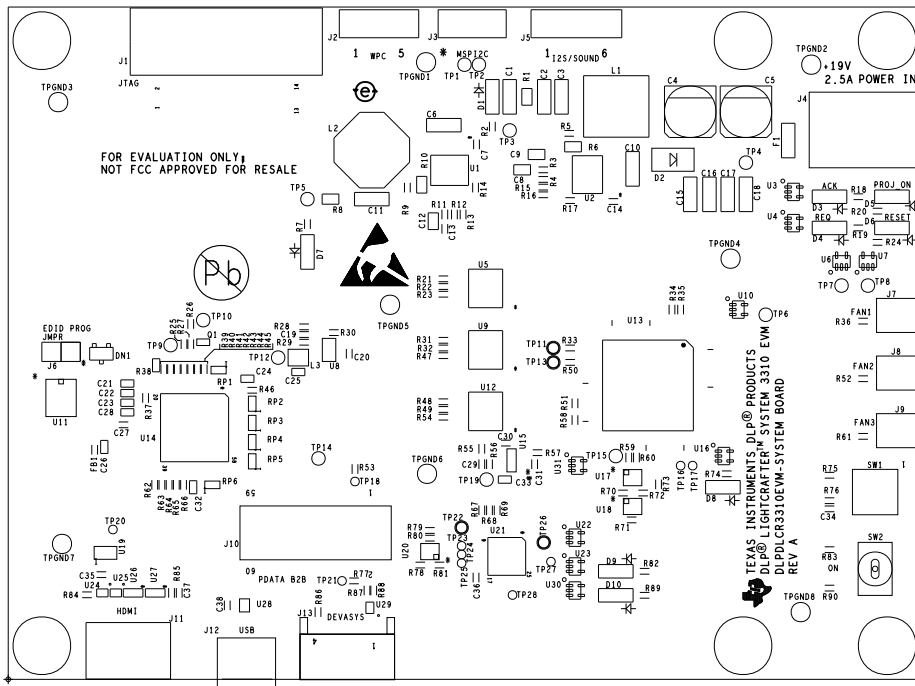
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| CUSTOMER NAME | | | | | TEXAS INSTRUMENTS | | | | | DRAWN | | QC GRAPHICS | | | | | | |
| BOARD NAME | | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | | DESCRIPTION | | | | | | | | |
| | | | | | | | | | | SOLDERPASTE TOP | | | | | | | | |
| BOARD NO. | | 2515336 | | REV | A | DATE | | 31 OCT 2017 | | PRJ# | | TIDL P-112967-03 | | SH | 13 | OF | | 15 |

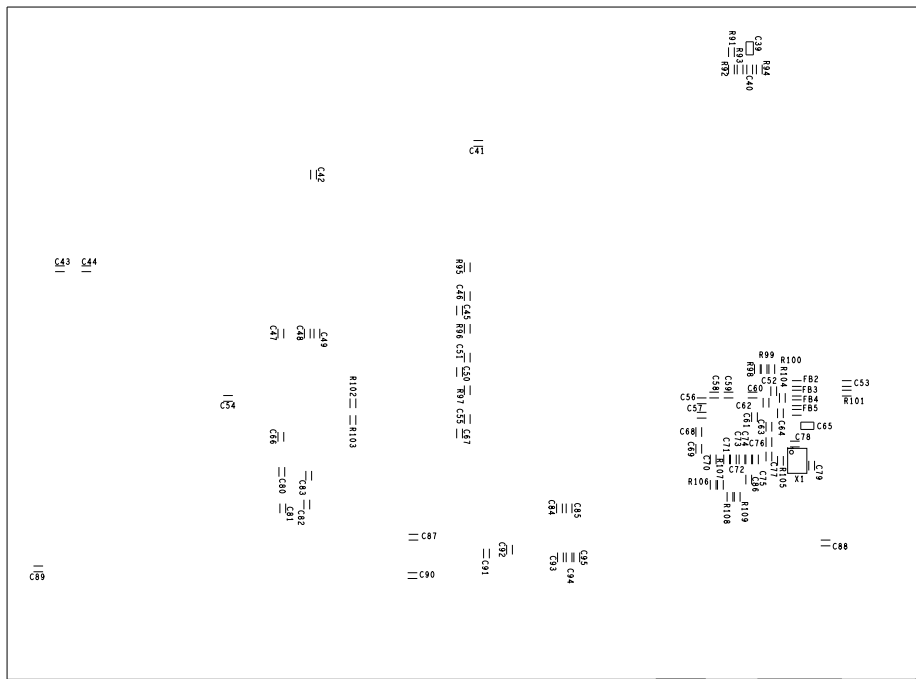


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| CUSTOMER NAME | | | | | TEXAS INSTRUMENTS | | | | | DRAWN | | | | | QC GRAPHICS | | | | | | | | | | | | | | |
| BOARD NAME | | | | | DLPDLR3310EVM SYSTEM BOARD | | | | | DESCRIPTION | | | | | SOLDERPASTE BOTTOM | | | | | | | | | | | | | | |
| BOARD NO. | | 2515336 | | | REV | | A | | | DATE | | 31 OCT 2017 | | | PRJ# | | TIDL-112967-03 | | | SH | | 14 | | | OF | | 15 | | |



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| CUSTOMER NAME | | | | | | | | | | TEXAS INSTRUMENTS | | | | | | | | | | DRAIN | | | | QC GRAPHICS | | | | | | | | | | | | | | | | | |
| BOARD NAME | | | | | | | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | | | | | | | DESCRIPTION | | | | | | | | | | SILKSCREEN TOP | | | | | | | | | | | |
| BOARD NO. | | | | | 2515336 | | | | | REV | | A | | DATE | | | | | 31 OCT 2017 | | | | | PRJ# | | | | | TIDL P-112967-03 | | | | | SH | | 11 | | OF | | 15 | |

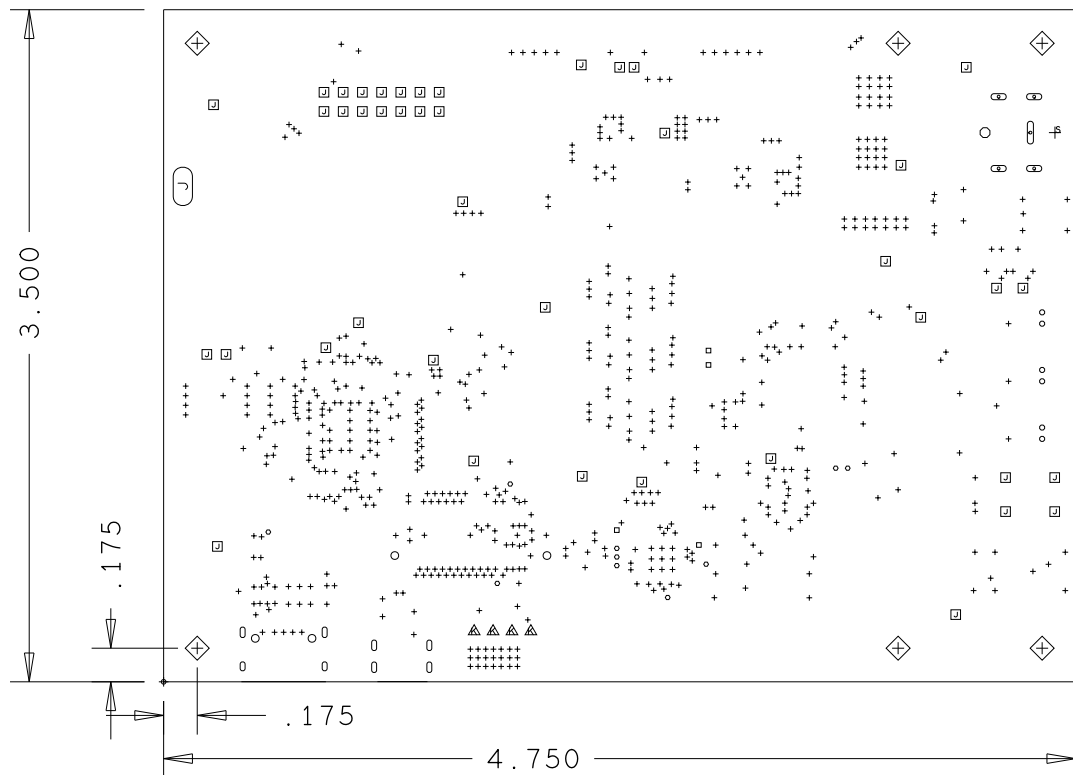
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| BOARD NO. | | 5815336 | | REV | A | | DATE | 31 OCT 2017 | | PRJ# | TIDL9-115067-03 | | SH | OF | | 15 | | | |
| BOARD NAME | | | | DLPDCR3310EVM SYSTEM BOARD | | | | | | | | | | | | | | | |
| | | | | DESCRIPTION | | | | | | | | | | | | | | | |
| CUSTOMER NAME | | | | | | | | | | TEXAS INSTRUMENTS | | | | | | | | | |
| DRAWING | | | | | | | | | | QC GRAPHICS | | | | | | | | | |



| | | | |
|---|---|------|-------|
| SILKSCREEN SOLDERMASK SIGNAL 50 OHMS, 0.00625", 100 OHMS DIFF, 0.0048/0.0072 | | | |
| 1 | PREPREG | 3.70 | .5 OZ |
| 2 | PLANE | | 1 OZ |
| | CORE | 8.0 | |
| 3 | SIGNAL 50 OHMS, 0.00675" | | 1 OZ |
| | PREPREG | 9.00 | |
| 4 | PLANE | | 1 OZ |
| | CORE | 8.00 | |
| 5 | PLANE | | 1 OZ |
| | PREPREG | 9.00 | |
| 6 | SIGNAL 50 OHMS, 0.00675" | | 1 OZ |
| | CORE | 8.0 | |
| 7 | PLANE | | 1 OZ |
| | PREPREG | 3.70 | |
| 8 | SIGNAL 50 OHMS, 0.00625", 100 OHMS DIFF, 0.0048/0.0072 | | .5 OZ |
| SOLDERMASK SILKSCREEN | | | |

0.062 ± 10%

LAYER STACKUP



| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|---------|--|-----------------------------|--|---|--|------|---------------------|-------------|-------------|------|--|----------------|--|----|--|----|--|----|--|----|--|
| CUSTOMER NAME | | | | | TEXAS INSTRUMENTS | | | | | DRAWN | | QC GRAPHICS | | | | | | | | | | | | |
| BOARD NAME | | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | | DESCRIPTION | | | | | | | | | | | | | | |
| | | | | | | | | | | DRILL CHART FAB DWG | | | | | | | | | | | | | | |
| BOARD NO. | | | 2515336 | | REV | | A | | DATE | | 31 OCT 2017 | | PRJ# | | TIDL-112967-03 | | SH | | 15 | | OF | | 15 | |

FAB NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- THE PWB SHALL BE FABRICATED TO IPC-6012, CLASS 2 AND WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2. CURRENT REVISIONS.
- BOARD MATERIAL SHALL BE 180 Tg/305 Td ISOLA FR-370HR OR EQUIVALENT. ROHS COMPLIANT AND LEAD FREE ASSEMBLY CAPABLE. BOARD MATERIAL SHALL MEET OR EXCEED IPC-4101B. COLOR: NATURAL.
- BOARD MATERIAL AND CONSTRUCTION MUST MEET OR EXCEED UL94V-0. UL REGISTERED E-CODE NUMBER FOR MATERIAL STACKUP USED MUST BE ON PCB SILKSCREEN.
- OVERALL BOARD THICKNESS TO BE .062" +/- 10% AND APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES, MEASURED FROM COPPER TO COPPER.
- SEE STACKUP CHART FOR LAYER THICKNESS AND IMPEDANCE REQUIREMENTS. VENDOR MAY ADJUST DIELECTRIC THICKNESSES TO MEET IMPEDANCE REQUIREMENT.
- MAX. WARP & TWIST TO BE .01 INCHES PER INCH.
- VIAS SHOULD BE TEARDROPPED BY FAB VENDOR.
- BOARDS MUST BE SHIPPED IN ASSEMBLY ARRAYS PER PANEL.ART DRAWING IN DATA PACAKGE.
- VENDOR MUST SUPPLY PANELIZED PASTEMASK GERBER LAYERS FOR PASTE STENCILS.

PROCESS NOTES:

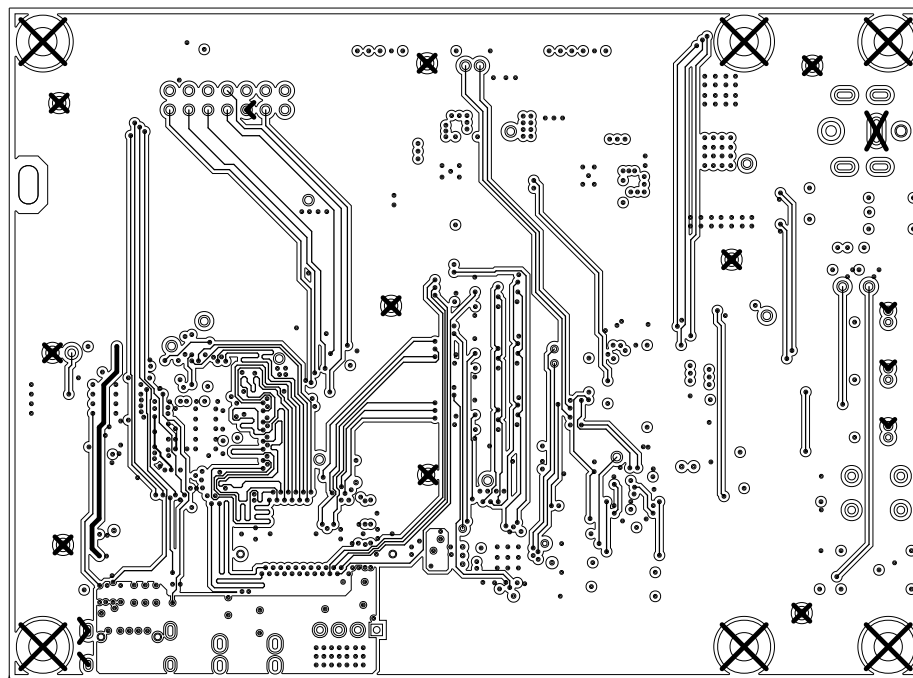
- PLATE ALL EXPOSED AREAS WITH ELECTROLESS IMMERSION GOLD, NICKEL 100 MICROINCHES THK MIN. GOLD 2-6 MICROINCHES THK MIN.
- BOARD MUST BE ELECTRICALLY TESTED USING SUPPLIED IPC-D-356 NETLIST.
- APPLY LPI SOLDERMASK. COLOR:RED. CONFORM TO IPC-SM-840, CLASS H. CURRENT REV. EXCEPT AS NOTED BELOW, SOLDERMASK ARTWORK IS SIZED 1:1 WITH SOLDER PAD FEATURES. VENDOR TO ADJUST FOR THEIR PROCESSES. MUST MAINTAIN WEB OF SOLDERMASK BETWEEN ALL EXPOSED PLATED SURFACES.
- APPLY LPI SILKSCREEN BOTH SIDES USING NON-CONDUCTIVE EPOXY INK. COLOR: WHITE.

DRILL CHART: TOP to BOTTOM

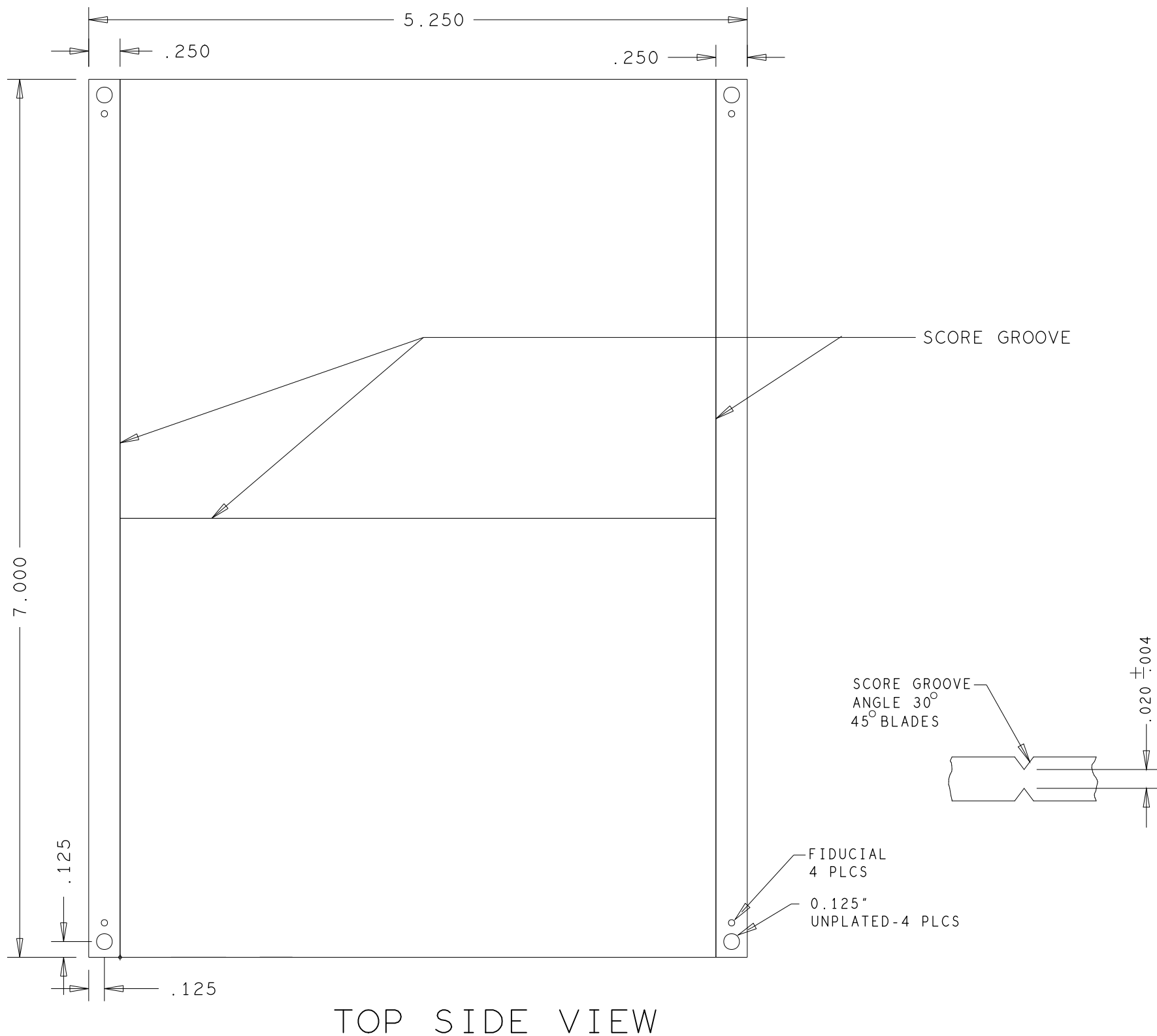
ALL UNITS ARE IN MILS

| FIGURE | SIZE | TOLERANCE | PLATED | QTY |
|--------|---------------|------------|------------|-----|
| + | 10.0 | +0.0/-10.0 | PLATED | 660 |
| ° | 12.0 | +3.0/-3.0 | PLATED | 10 |
| ◻ | 24.0 | +3.0/-3.0 | PLATED | 4 |
| ◦ | 28.0 | +3.0/-3.0 | PLATED | 6 |
| ▲ | 35.0 | +3.0/-3.0 | PLATED | 4 |
| ▣ | 40.0 | +3.0/-3.0 | PLATED | 42 |
| ○ | 55.0 | +3.0/-3.0 | PLATED | 1 |
| ⊕ | 147.0 | +3.0/-3.0 | PLATED | 6 |
| ◌ | 40.0 | +3.0/-3.0 | NON-PLATED | 4 |
| ⦿ | 63.386 | +3.0/-3.0 | NON-PLATED | 1 |
| ◌ | 47.0x25.591 | +3.0/-3.0 | PLATED | 2 |
| ◌ | 55.0x25.591 | +3.0/-3.0 | PLATED | 2 |
| ◌ | 55.118x25.591 | +3.0/-3.0 | PLATED | 4 |
| ⊗ | 78.74x31.496 | +3.0/-3.0 | PLATED | 4 |
| ⊗ | 118.11x31.496 | +3.0/-3.0 | PLATED | 1 |
| ⊖ | 200.0x100.0 | +4.0/-4.0 | NON-PLATED | 1 |

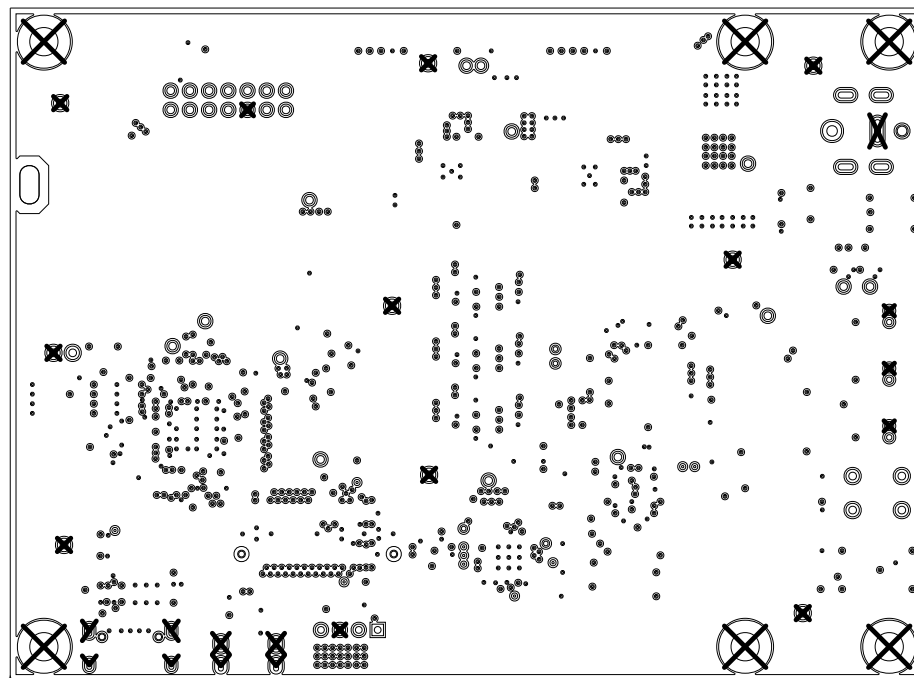




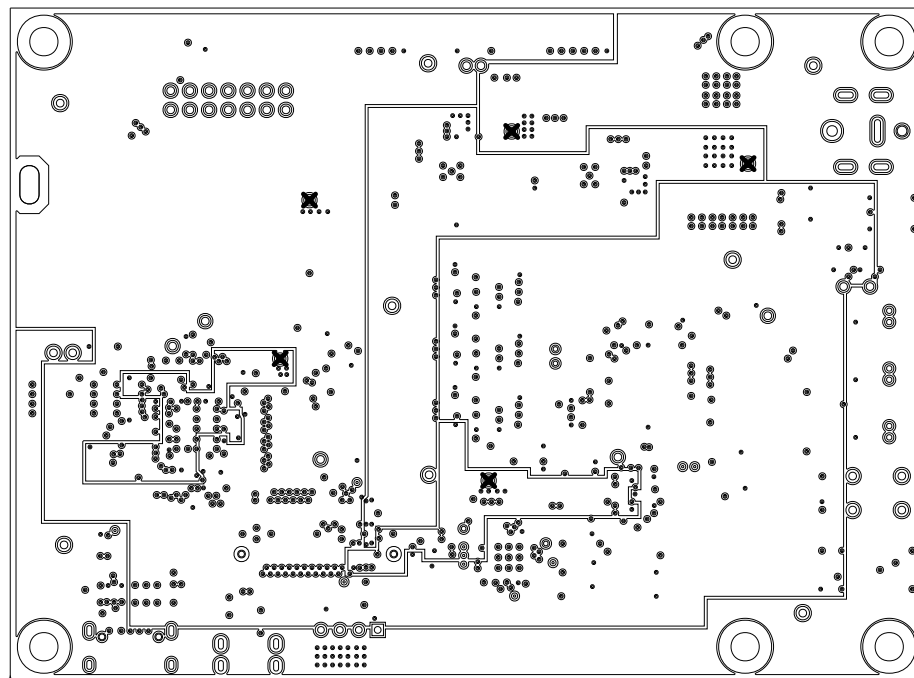
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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | |
| BOARD NAME | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | LAYER 3 - SIGNAL | | | | | |
| BOARD NO. | | 2515336 | | REV | A | DATE | | 31 OCT 2017 | | PRJ# | | TIDL P-112967-03 | | SH | 3 | OF | 15 |



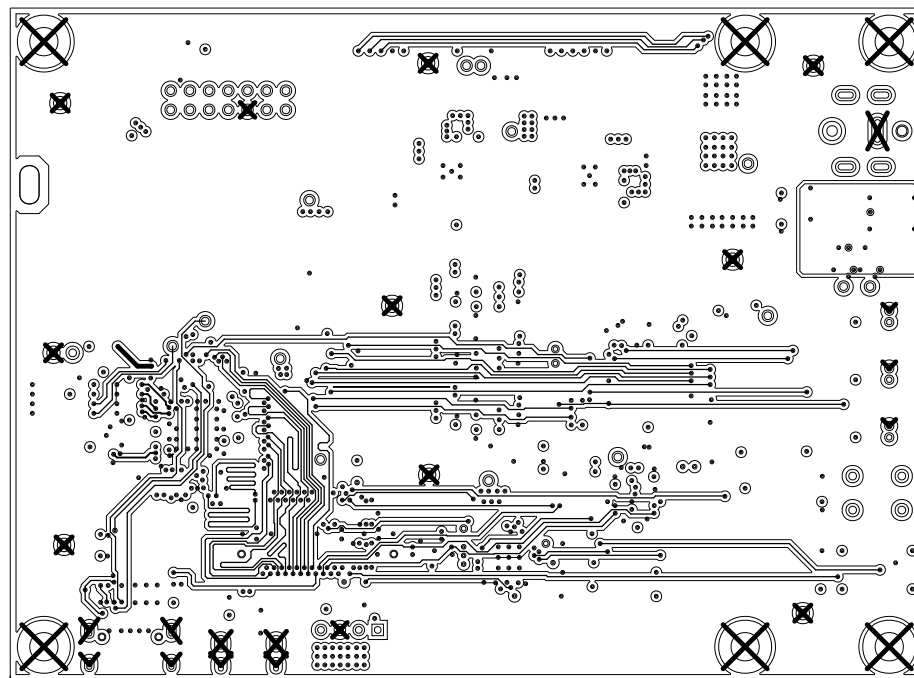
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| CUSTOMER NAME TEXAS INSTRUMENTS | | | | | DRAWN QC GRAPHICS | |
| BOARD NAME DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION PANEL DRAWING | | |
| BOARD NO. 2515336 | | REV A | DATE 31 OCT 2017 | PRJ# TIDL-112967-03 | SH | OF 15 |



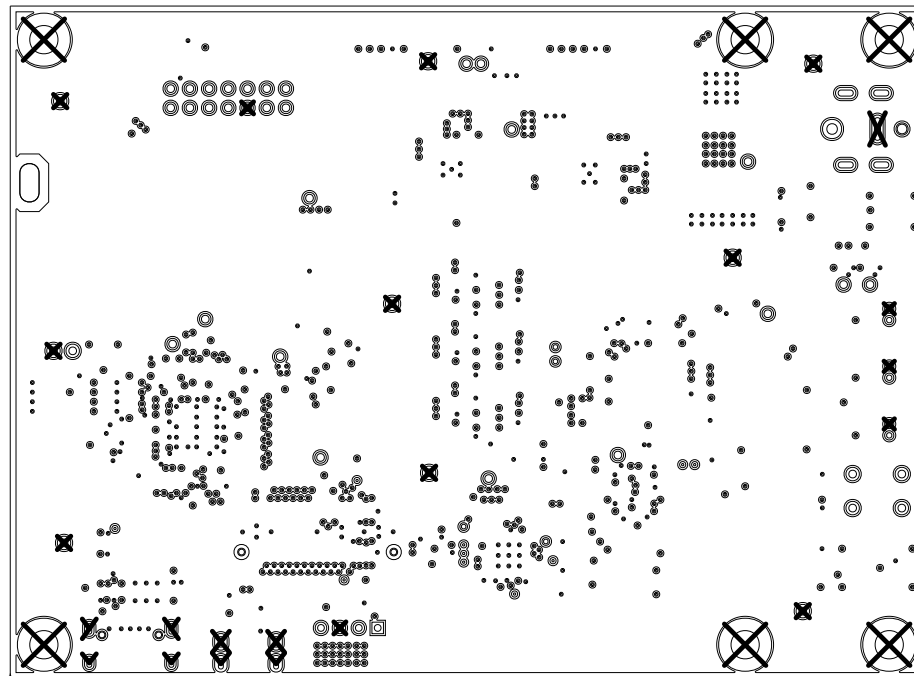
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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | | | | | | | |
| BOARD NAME | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | LAYER 4 - GND PLANE | | | | | | | | | | | |
| BOARD NO. | | 2515336 | | REV | | A | | DATE | | 31 OCT 2017 | | PRJ# | | TIDL P-112967-03 | | SH | | 4 | | OF | | 15 | |



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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | | | | | | | |
| BOARD NAME | | | | DLPDLR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | LAYER 5 - PWR PLANE | | | | | | | | | | | |
| BOARD NO. | | 2515336 | | REV | | A | | DATE | | 31 OCT 2017 | | PRJ# | | TIDL-112967-03 | | SH | | 5 | | OF | | 15 | |



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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | |
| BOARD NAME | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | LAYER 6 - SIGNAL | | | | | |
| BOARD NO. | | 2515336 | | REV | A | DATE | | 31 OCT 2017 | | PRJ# | | TIDL-112967-03 | | SH | 6 | OF | 15 |



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| CUSTOMER NAME | | | | TEXAS INSTRUMENTS | | | | DRAWN | | QC GRAPHICS | | | | | | | | | | | | | |
| BOARD NAME | | | | DLPDLCR3310EVM SYSTEM BOARD | | | | DESCRIPTION | | | | LAYER 7 - GND PLANE | | | | | | | | | | | |
| BOARD NO. | | 2515336 | | REV | | A | | DATE | | 31 OCT 2017 | | PRJ# | | TIDL P-112967-03 | | SH | | 7 | | OF | | 15 | |