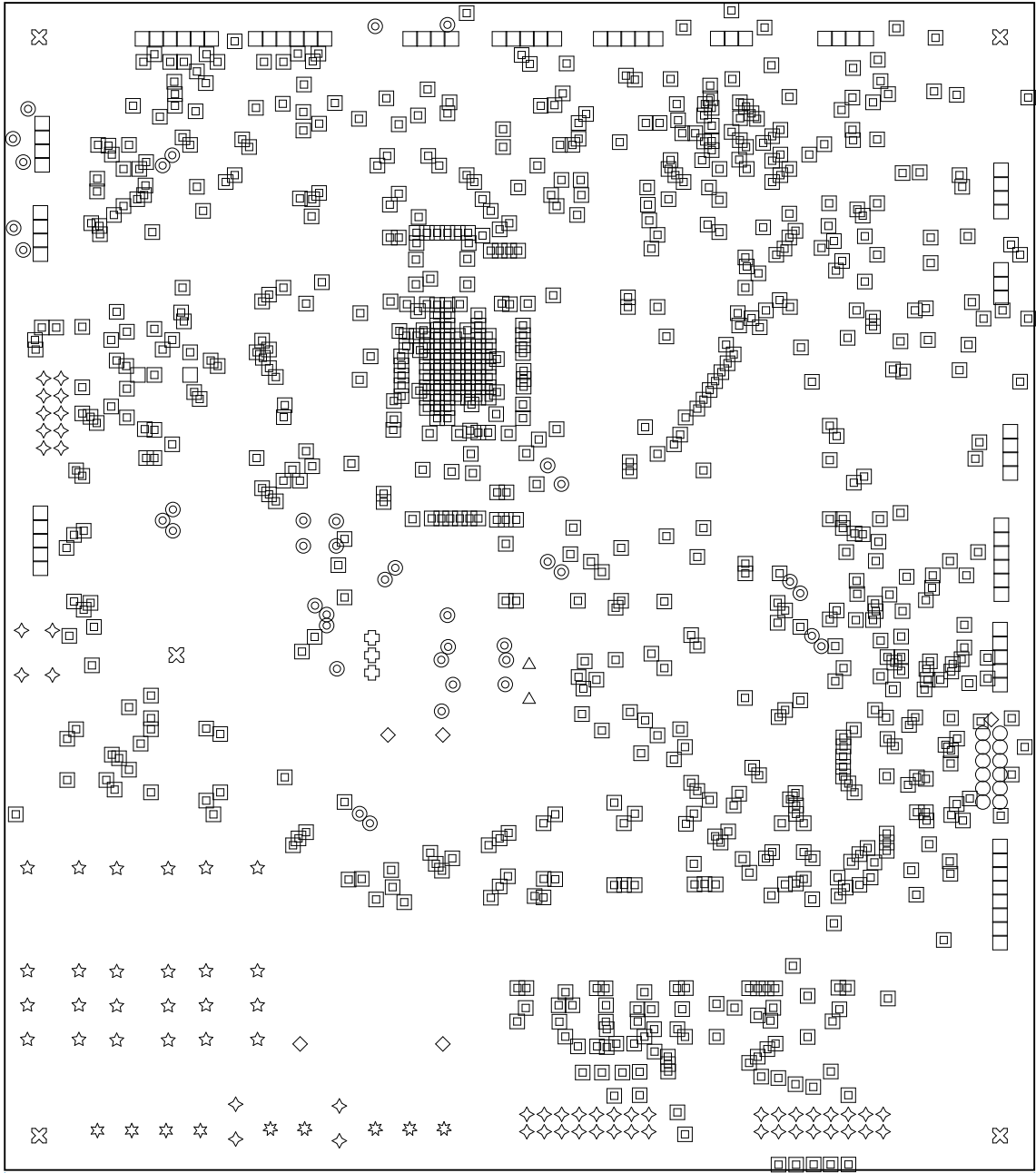


Drill Drawing View (Scale 1:1)



170mm

150mm

Drill Table

| Symbol | Count | Hole Size | Plated | Hole Tolerance |
|------------|-------|-----------|--------|----------------|
| □ | 792 | 0.5mm | Plated | None |
| ◎ | 40 | 0.7mm | Plated | None |
| ○ | 12 | 0.8mm | Plated | None |
| □ | 78 | 0.81mm | Plated | None |
| ◇ | 50 | 1mm | Plated | None |
| ⊕ | 3 | 1.1mm | Plated | None |
| ☆ | 24 | 1.3mm | Plated | None |
| ◇ | 5 | 1.5mm | Plated | None |
| △ | 2 | 1.52mm | Plated | None |
| ☆ | 5 | 1.7mm | Plated | None |
| ☆ | 4 | 1.8mm | Plated | None |
| ⊗ | 5 | 4mm | Plated | None |
| 1020 Total | | | | |

| Fabrication file description | |
|------------------------------|---------------------|
| Object | File name or format |
| Top copper: | .GTL |
| Top solder: | .GTS |
| Top overlay: | .GTO |
| Bottom couper: | .GBL |
| Bottom solder: | .GBS |
| Bottom overlay: | .GBO |
| Board outline: | .GM1 |
| Plated holes: | .txt |
| No plated holes: | .txt |
| | |
| | |
| | |
| | |

| Design information | | |
|------------------------------|-----------------------------|----------|
| Board size: | 170 mm | X 150 mm |
| Number of layers: | 2 | |
| Min. track width: | 0.2 mm | |
| Min. clearance: | 0.2 mm | |
| Min. hole diameter: | 0.4 mm | |
| Min. annular ring: | 0.2 mm | |
| Board material: | FR-4 | |
| Board thickness: | 1.5 mm | |
| Solder mask: | top, bottom | |
| Solder mask color: | green | |
| Silk screen: | top, bottom | |
| Silk screen color: | white | |
| Surface finish: | HASL with lead | |
| Couper thickness (finished): | 35 um | |
| Array/Panel: | cut and trim per .GM1 layer | |
| Bare board elec. test: | yes | |
| | | |
| | | |
| | | |

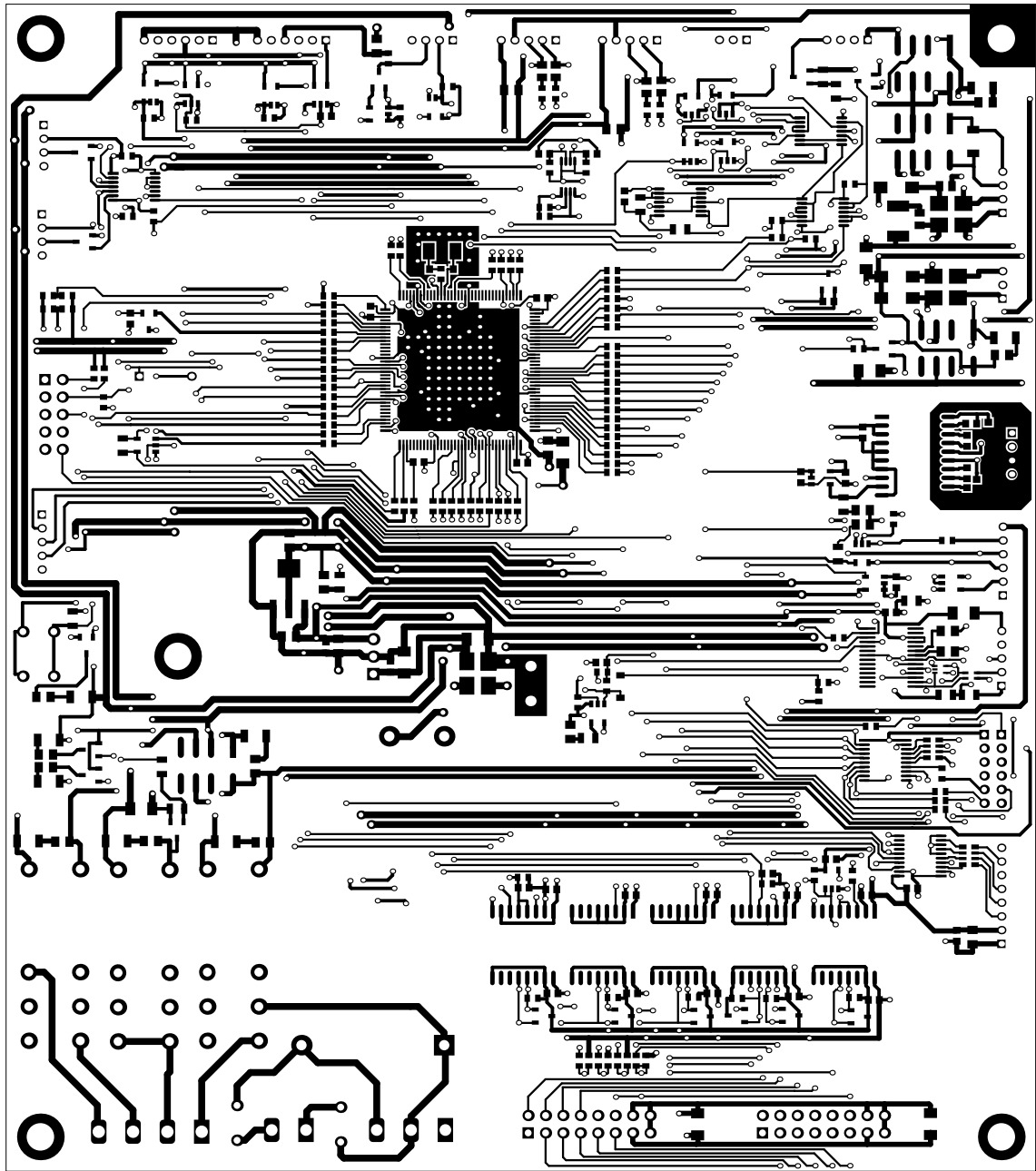
| Acceptability: | |
|-------------------|--|
| IPC-A-600 Class 2 | |
| UL94 Class V-0 | |
| | |

Layer Stack Legend

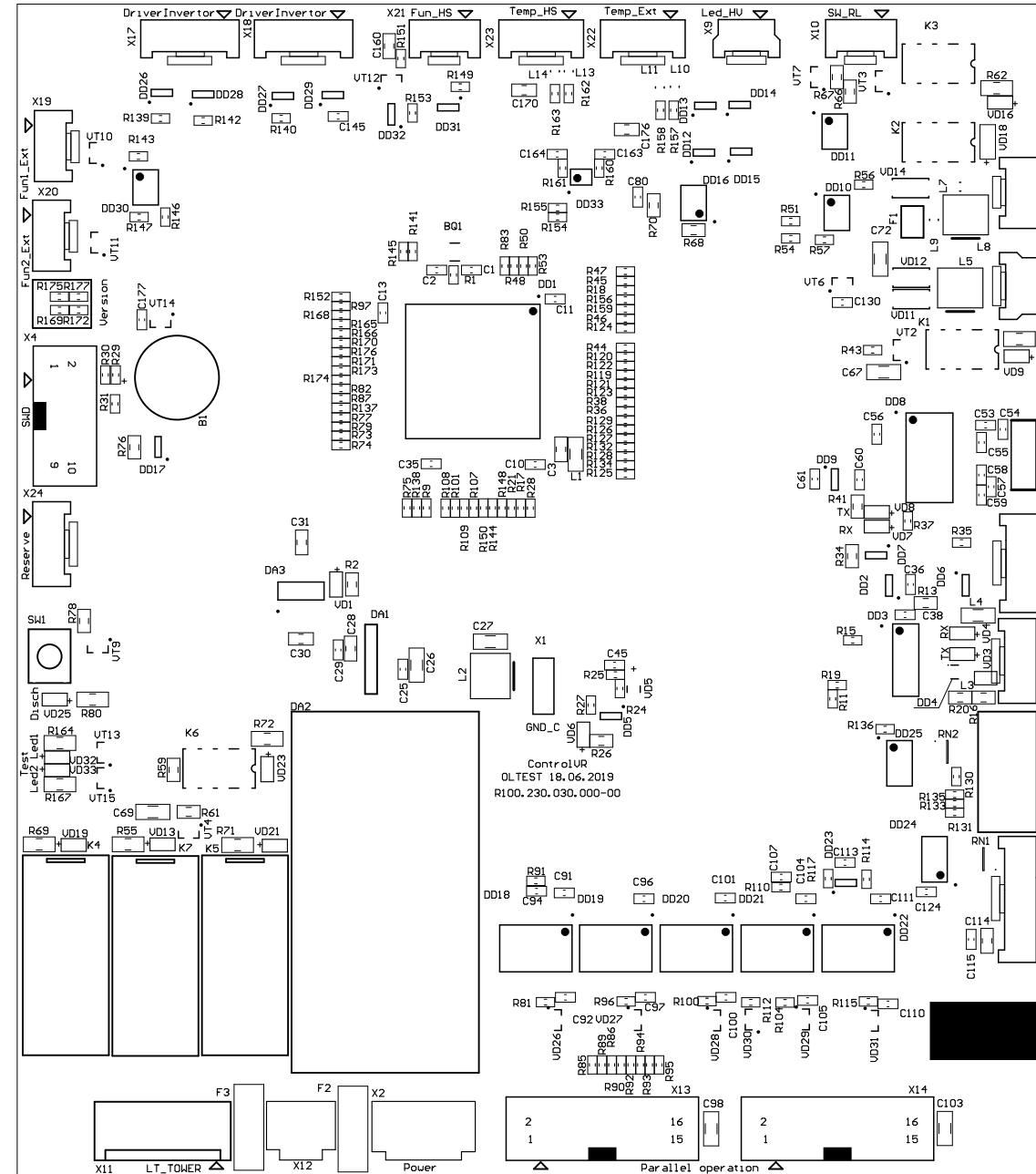
| Material | Layer | Thickness | Dielectric Material | Type | Gerber |
|------------------------------------|------------------|------------------|---------------------|-------------|--------|
| | Top Overlay | | | Legend | GTO |
| | Surface Material | 0.01mm (0.4mil) | Solder Resist | Solder Mask | GTS |
| Copper | Top | 0.036mm (1.4mil) | | Signal | GTL |
| | | 1.5mm (59.1mil) | FR-4 | Dielectric | |
| | | | | | |
| Copper | Bottom | 0.036mm (1.4mil) | | Signal | GBL |
| | Bottom Solder | 0.01mm (0.4mil) | Solder Resist | Solder Mask | GBS |
| | Bottom Overlay | | | Legend | GBO |
| Total thickness: 1.591mm (62.7mil) | | | | | |

| | | | | | | | | |
|--|---------------|-----------|------|--|--|------------------------------------|----------------------------------|--------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | | | | DEBURR AND BREAK SHARP EDGES | DO NOT SCALE DRAWING | REVISION |
| | | | | | | | Oltest | |
| | NAME | SIGNATURE | DATA | | | | TITLE: R100 ControlVR | |
| DRAW | Bondarchuk S. | | | | | | | |
| CHK'D | Bondarchuk S. | | | | | | | |
| APPV'D | Ornatskiy | | | | | | | |
| MFG | | | | | | | AMAK: R100.230.030.001-00 | |
| QA | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | WEIGHT: | SCALE 1:1 | SHEET 1 OF 7 |

Top (Scale 1:1)

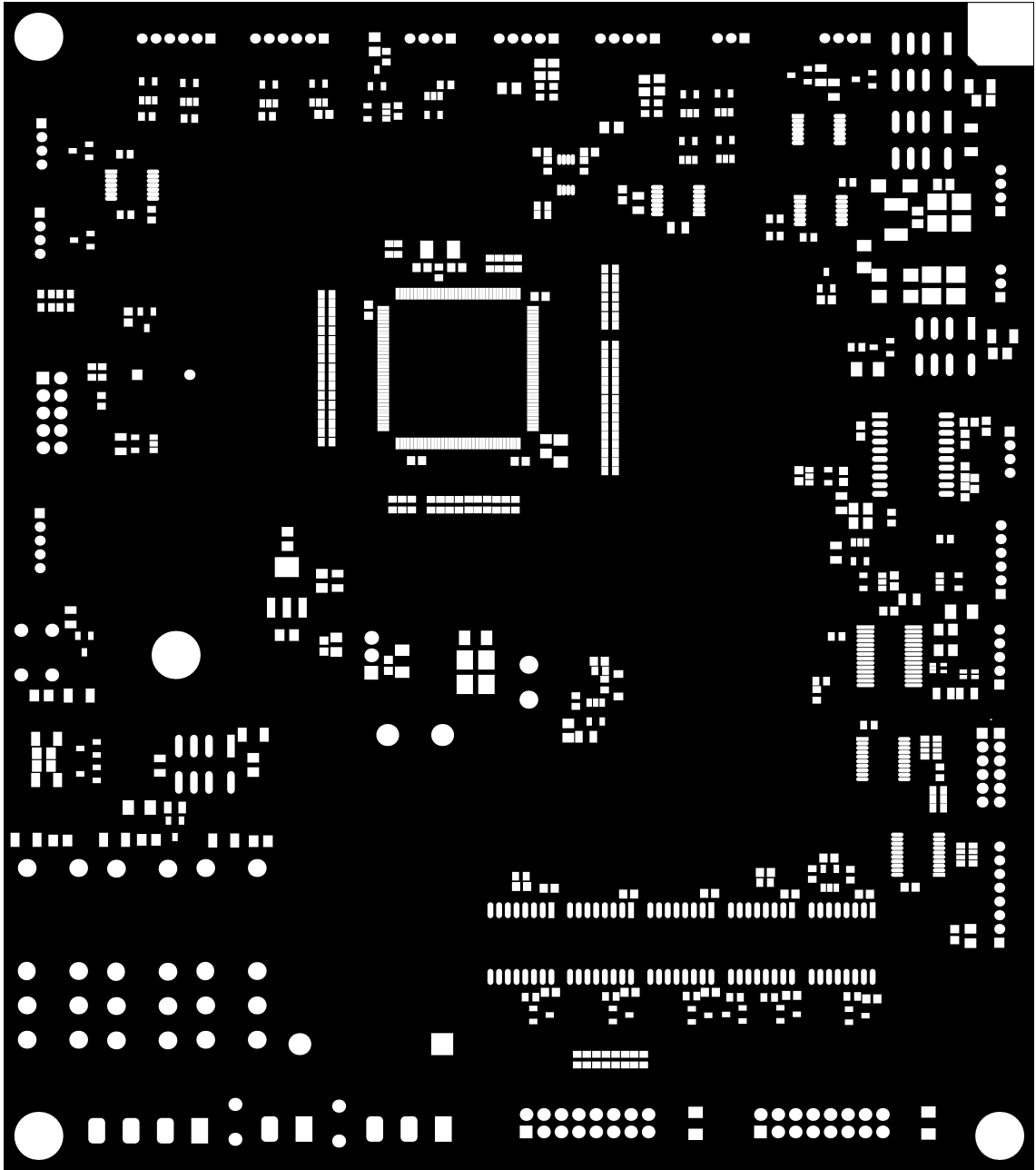


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|--|---------------|-----------|------|---------|--|------------------------------------|----------------------------------|--|--------------|--|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | | | | DEBURR AND BREAK SHARP EDGES | DO NOT SCALE DRAWING | | REVISION | | |
| | | | | | | | Oitest | | | | |
| | NAME | SIGNATURE | DATA | | | | TITLE: R100 ControlVR | | | | |
| DRAW | Bondarchuk S. | | | | | | | | | | |
| CHK'D | Bondarchuk S. | | | | | | | | | | |
| APPV'D | Ornatskiy | | | | | | | | | | |
| MFG | | | | | | | AMAK: R100.230.030.001-00 | | | | |
| QA | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | WEIGHT: | | | SCALE 1:1 | | SHEET 2 OF 7 | | |



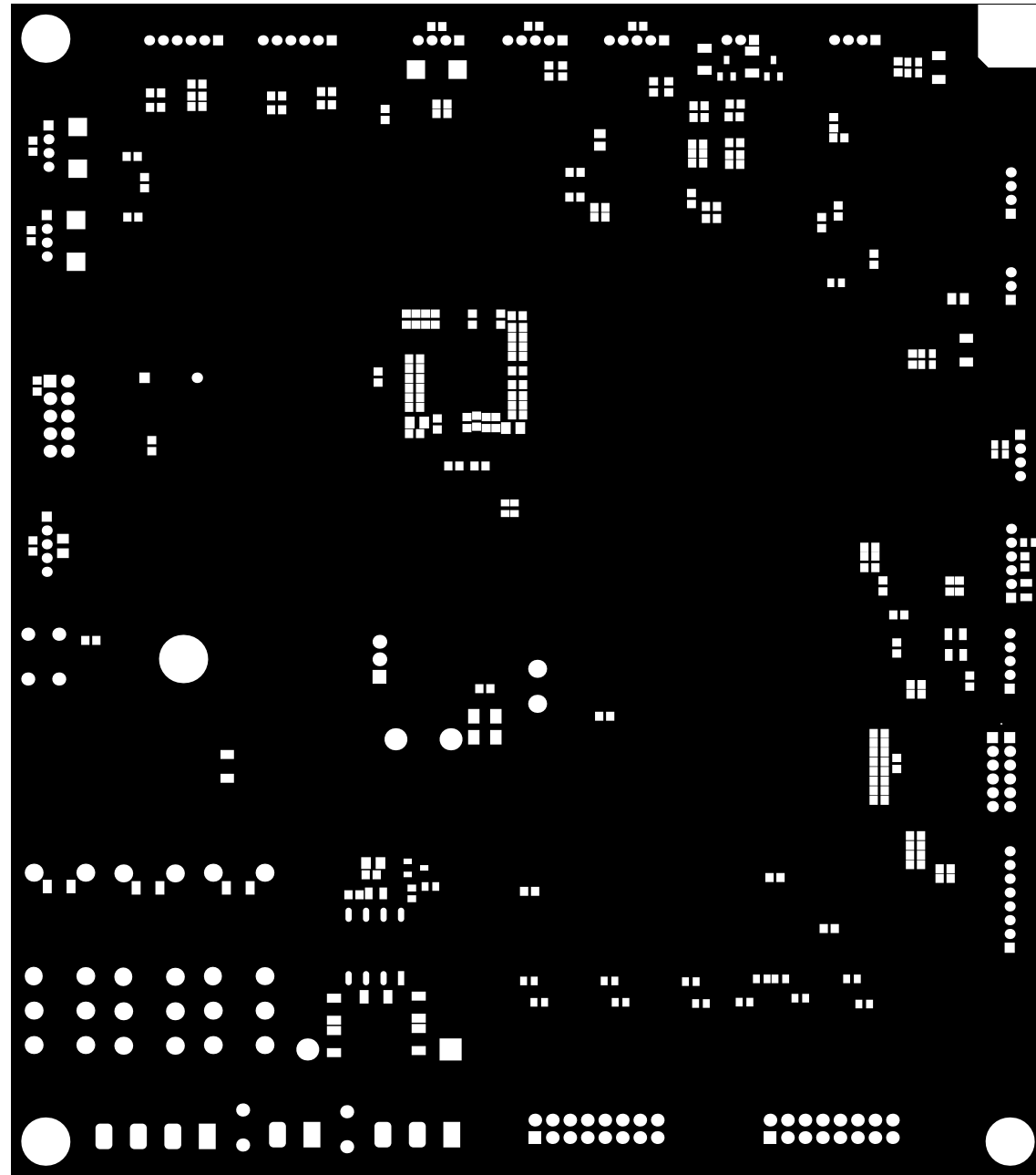
| | | | | | | | | | | | |
|--|---------------|--|-----------|------|---------|--|------------------------------------|----------------------------------|--|--------------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | | | | | DEBURR AND BREAK SHARP EDGES | DO NOT SCALE DRAWING | | REVISION | |
| | | | | | | | | Oltest | | | |
| | NAME | | SIGNATURE | DATA | | | | TITLE: R100 ControlVR | | | |
| DRAW | Bondarchuk S. | | | | | | | | | | |
| CHK'D | Bondarchuk S. | | | | | | | | | | |
| APPV'D | Ornatskiy | | | | | | | | | | |
| MFG | | | | | | | | | | | |
| QA | | | | | | | | AMAK: R100.230.030.001-00 | | A3 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | WEIGHT: | | | SCALE 1:1 | | SHEET 4 OF 7 | |

Top Solder (Scale 1:1)



| | | | | | | | | | | | | |
|--|---------------|-----------|------|---------|--|--|------------------------------------|--|----------------------|--------------|----------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | | | | | DEBURR AND BREAK SHARP EDGES | | DO NOT SCALE DRAWING | | REVISION | |
| | | | | | | | | | Oltest | | | |
| | NAME | SIGNATURE | DATA | | | | TITLE: R100 ControlVR | | | | | |
| DRAW | Bondarchuk S. | | | | | | | | | | | |
| CHK'D | Bondarchuk S. | | | | | | | | | | | |
| APPV'D | Ornatskiy | | | | | | | | | | | |
| MFG | | | | | | | AMAK: R100.230.030.001-00 | | | | A3 | |
| QA | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | WEIGHT: | | | SCALE 1:1 | | | SHEET 5 OF 7 | | |

Bottom Solder (Scale 1:1)



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

| | |
|------------------------------------|--|
| DEBURR AND BREAK SHARP EDGES | |
|------------------------------------|--|

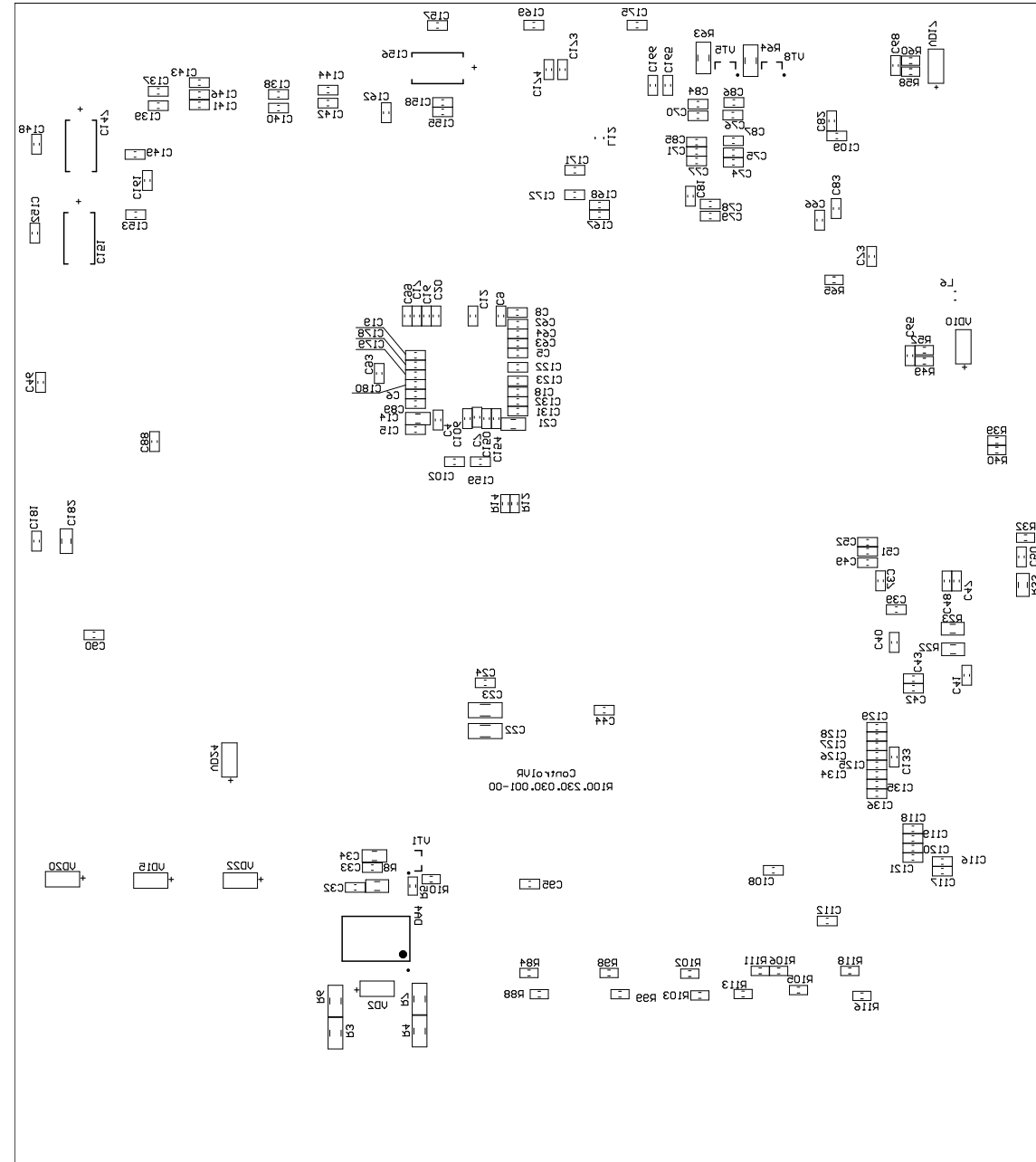
DO NOT SCALE DRAWING

REVISION

Oltest

| | | | | | |
|--------|---------------|-----------|------|---------|--|
| | NAME | SIGNATURE | DATA | | |
| DRAW | Bondarchuk S. | | | | |
| CHK'D | Bondarchuk S. | | | | |
| APPV'D | Ornatskiy | | | | |
| MFG | | | | | |
| QA | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | WEIGHT: | |

| | | |
|-----------|---------------------|----|
| TITLE: | R100 ControlVR | |
| AMAK: | R100.230.030.001-00 | A3 |
| SCALE 1:1 | SHEET 6 OF 7 | |



| | | | | | | | | | | | | |
|--|---------------|-----------|------|---------|--|--|------------------------------------|--|----------------------|--------------|----------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | | | | | | | DEBURR AND BREAK SHARP EDGES | | DO NOT SCALE DRAWING | | REVISION | |
| | | | | | | | | | Oltest | | | |
| | NAME | SIGNATURE | DATA | | | | TITLE: R100 ControlVR | | | | | |
| DRAW | Bondarchuk S. | | | | | | | | | | | |
| CHK'D | Bondarchuk S. | | | | | | | | | | | |
| APPV'D | Ornatskiy | | | | | | | | | | | |
| MFG | | | | | | | | | | | | |
| QA | | | | | | | AMAK: R100.230.030.001-00 | | | | A3 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | WEIGHT: | | | SCALE 1:1 | | | SHEET 7 OF 7 | | |