

A

B

C

D

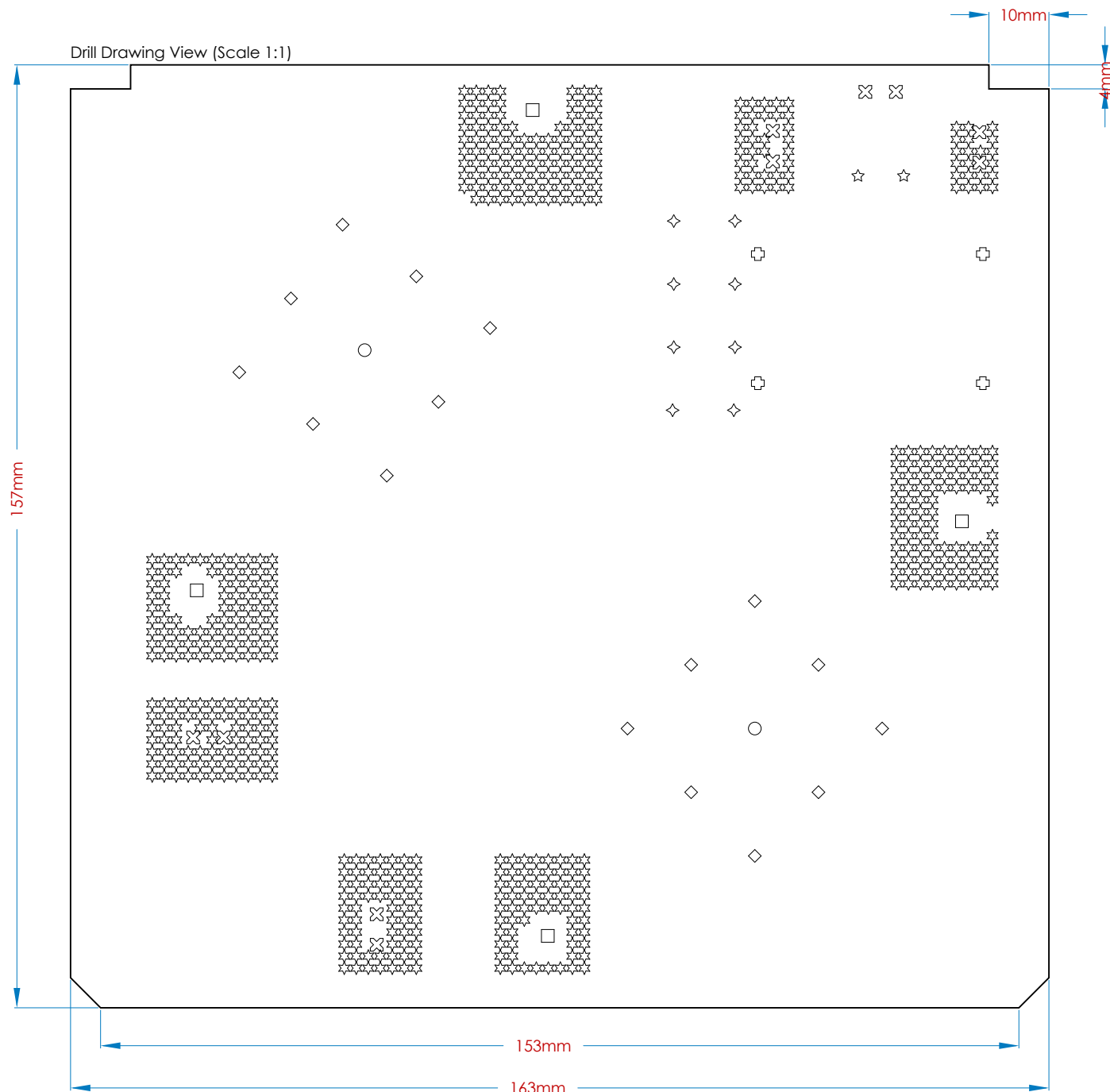
E

F

G

H

Drill Drawing View (Scale 1:1)



Drill Table

| Symbol    | Count | Hole Size | Plated | Hole Tolerance |
|-----------|-------|-----------|--------|----------------|
| ☆         | 528   | 0.5mm     | Plated | None           |
| ☆         | 2     | 1mm       | Plated | None           |
| ◇         | 8     | 1.2mm     | Plated | None           |
| ⊕         | 4     | 1.3mm     | Plated | None           |
| ⊗         | 10    | 1.5mm     | Plated | None           |
| □         | 4     | 5mm       | Plated | None           |
| ○         | 2     | 8mm       | Plated | None           |
| ◇         | 16    | 10mm      | Plated | None           |
| 574 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:                  | 163 mm                      | X | 157 mm |
| Number of layers:            | 2                           |   |        |
| Min. track width:            | 0.5 mm                      |   |        |
| Min. clearance:              | 0.3 mm                      |   |        |
| Min. hole diameter:          | 0.5 mm                      |   |        |
| Min. annular ring:           | 0.2 mm                      |   |        |
| Board material:              | FR-4                        |   |        |
| Board thickness:             | 2 mm                        |   |        |
| Solder mask:                 | top, bottom                 |   |        |
| Solder mask color:           | green                       |   |        |
| Silk screen:                 | top                         |   |        |
| Silk screen color:           | white                       |   |        |
| Surface finish:              | HASL with leed              |   |        |
| Couper thickness (finished): | 70 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    | Solder Resist       | Solder Mask | GTS    |
| Copper                  | Top              | 0.07mm    |                     | Signal      | GTL    |
|                         |                  | 2mm       | FR-4                | Dielectric  |        |
| Copper                  | Bottom           | 0.07mm    |                     | Signal      | GBL    |
| Surface Material        | Bottom Solder    | 0.01mm    | Solder Resist       | Solder Mask | GBS    |
|                         | Bottom Overlay   |           |                     | Legend      | GBO    |
| Total thickness: 2.16mm |                  |           |                     |             |        |

|  |               |           |      |  |  |                                    |                                  |          |
|--|---------------|-----------|------|--|--|------------------------------------|----------------------------------|----------|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN MILLIMETERS |               |           |      |  |  | DEBURR AND<br>BREAK SHARP<br>EDGES | DO NOT SCALE DRAWING             | REVISION |
|  |               |           |      |  |  |                                    | Oltest                           |          |
|  | NAME          | SIGNATURE | DATA |  |  |                                    | TITLE:<br><br>R100 Filtr3        |          |
| DRAW   | Bondarchuk S. |           |      |  |  |                                    |                                  |          |
| CHK'D  | Bondarchuk S. |           |      |  |  |                                    |                                  |          |
| APPV'D   | Ornatskiy     |           |      |  |  |                                    |                                  |          |
| MFG  |               |           |      |  |  |                                    |                                  |          |
| QA   |               |           |      |  |  |                                    | AMAK:<br><br>R100.230.040.001-00 |          |
|  |               |           |      |  |  |                                    |                                  |          |
|  |               |           |      |  |  |                                    |                                  |          |
|  |               |           |      |  |  |                                    | SCALE 1:1                        |          |
|  |               |           |      |  |  | WEIGHT:                            | SHEET 1 OF 6                     |          |

A3

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1

2

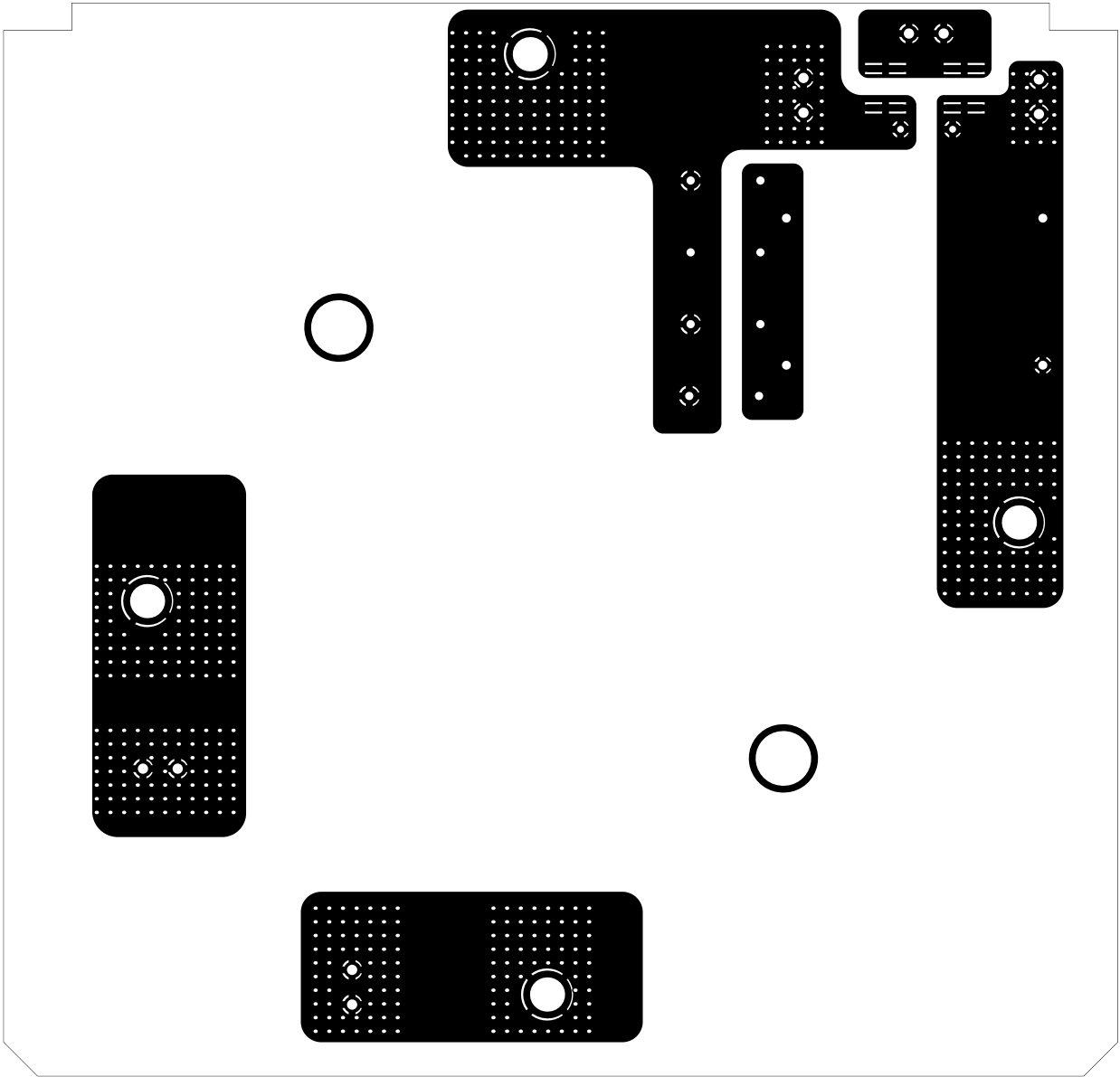
3

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6

Top (Scale 1:1)



|  |               |           |      |  |  |  |                                    |                      |  |           |    |  |  |
|--|---------------|-----------|------|--|--|--|------------------------------------|----------------------|--|-----------|----|--|--|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN MILLIMETERS |               |           |      |  |  |  | DEBURR AND<br>BREAK SHARP<br>EDGES | DO NOT SCALE DRAWING |  | REVISION  |    |  |  |
| Oltest   |               |           |      |  |  |  |                                    |                      |  |           |    |  |  |
|  | NAME          | SIGNATURE | DATA |  |  |  | TITLE:<br><br>R100 Filtr3          |                      |  |           |    |  |  |
| DRAW   | Bondarchuk S. |           |      |  |  |  |                                    |                      |  |           |    |  |  |
| CHK'D  | Bondarchuk S. |           |      |  |  |  |                                    |                      |  |           |    |  |  |
| APPV'D   | Ornatskiy     |           |      |  |  |  |                                    |                      |  |           |    |  |  |
| MFG  |               |           |      |  |  |  |                                    |                      |  |           |    |  |  |
| QA   |               |           |      |  |  |  | AMAK:<br><br>R100.230.040.001-00   |                      |  |           | A3 |  |  |
|  |               |           |      |  |  |  |                                    |                      |  |           |    |  |  |
|  |               |           |      |  |  |  |                                    |                      |  |           |    |  |  |
|  |               |           |      |  |  |  | WEIGHT:                            |                      |  | SCALE 1:1 |    |  |  |

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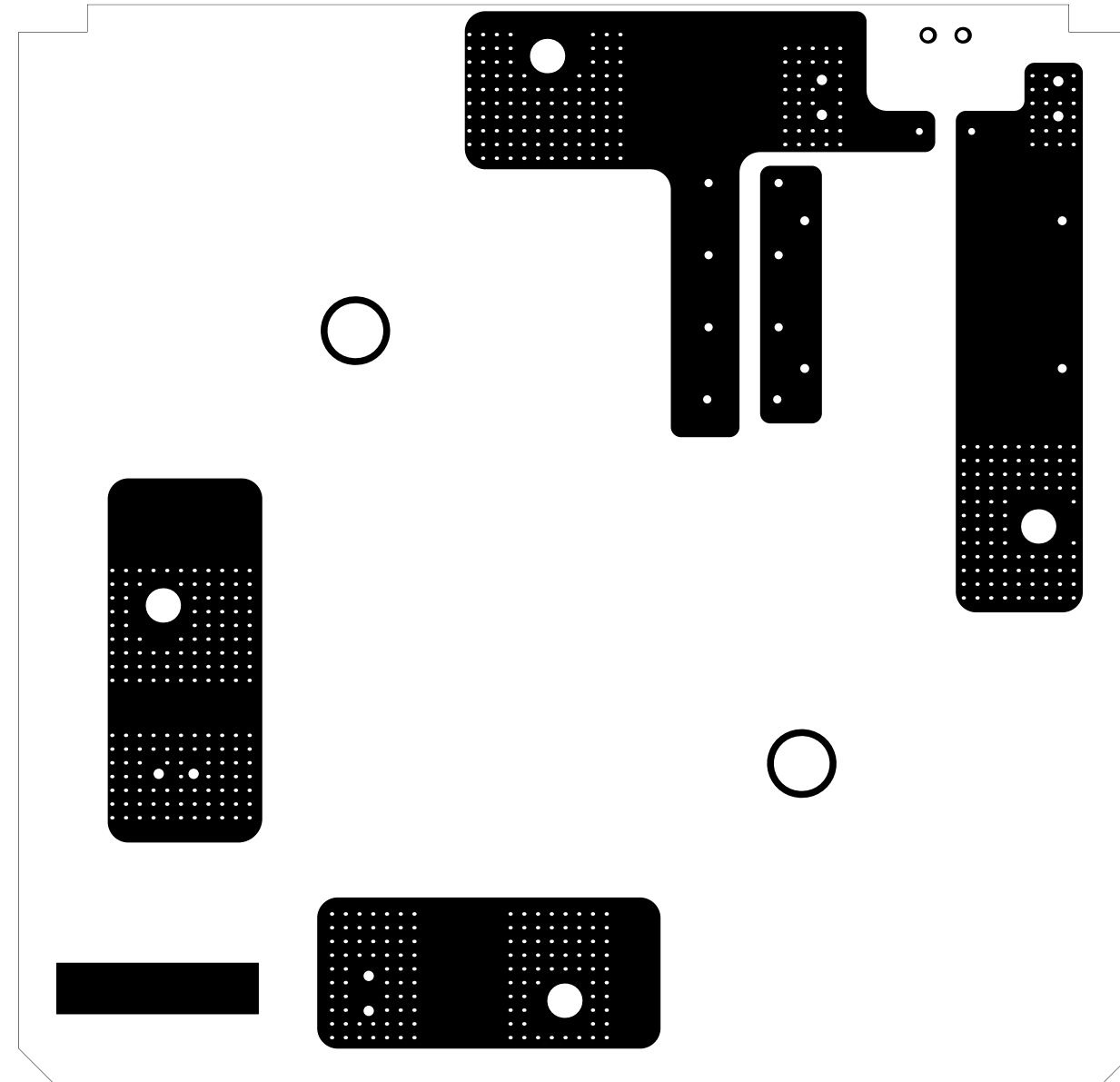
3

4

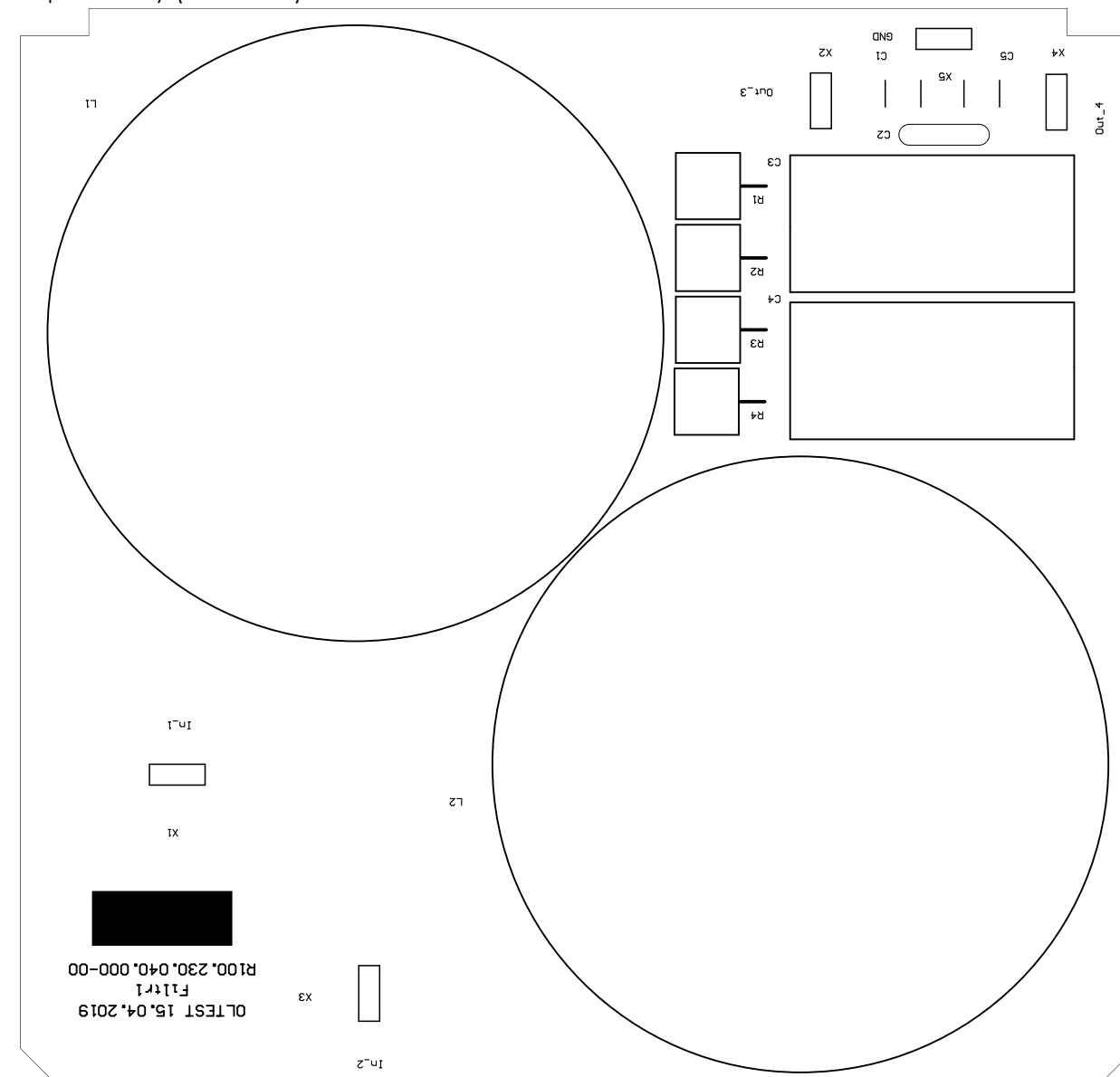
5

6

Bottom (Scale 1:1)



|  |               |           |      |         |  |                                    |                                  |  |              |  |    |
|--|---------------|-----------|------|---------|--|------------------------------------|----------------------------------|--|--------------|--|----|
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|  |               |           |      |         |  |                                    | Oltest                           |  |              |  |    |
|  | NAME          | SIGNATURE | DATA |         |  |                                    | TITLE:<br><br>R100 Filtr3        |  |              |  |    |
| DRAW   | Bondarchuk S. |           |      |         |  |                                    |                                  |  |              |  |    |
| CHK'D  | Bondarchuk S. |           |      |         |  |                                    |                                  |  |              |  |    |
| APPV'D   | Ornatskiy     |           |      |         |  |                                    |                                  |  |              |  |    |
| MFG  |               |           |      |         |  |                                    |                                  |  |              |  |    |
| QA   |               |           |      |         |  |                                    | AMAK:<br><br>R100.230.040.001-00 |  |              |  | A3 |
|  |               |           |      |         |  |                                    |                                  |  |              |  |    |
|  |               |           |      |         |  |                                    |                                  |  |              |  |    |
|  |               |           |      | WEIGHT: |  |                                    | SCALE 1:1                        |  | SHEET 3 OF 6 |  |    |



|  |               |           |      |         |  |  |                                    |                      |              |          |    |
|--|---------------|-----------|------|---------|--|--|------------------------------------|----------------------|--------------|----------|----|
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|  |               |           |      |         |  |  |                                    | Oltest               |              |          |    |
|  | NAME          | SIGNATURE | DATA |         |  |  | TITLE:<br><br>R100 Filtr3          |                      |              |          |    |
| DRAW   | Bondarchuk S. |           |      |         |  |  |                                    |                      |              |          |    |
| CHK'D  | Bondarchuk S. |           |      |         |  |  |                                    |                      |              |          |    |
| APPV'D   | Ornatskiy     |           |      |         |  |  |                                    |                      |              |          |    |
| MFG  |               |           |      |         |  |  |                                    |                      |              |          |    |
| QA   |               |           |      |         |  |  | AMAK:<br><br>R100.230.040.001-00   |                      |              |          | A3 |
|  |               |           |      |         |  |  |                                    |                      |              |          |    |
|  |               |           |      |         |  |  |                                    |                      |              |          |    |
|  |               |           |      | WEIGHT: |  |  | SCALE 1:1                          |                      | SHEET 4 OF 6 |          |    |

