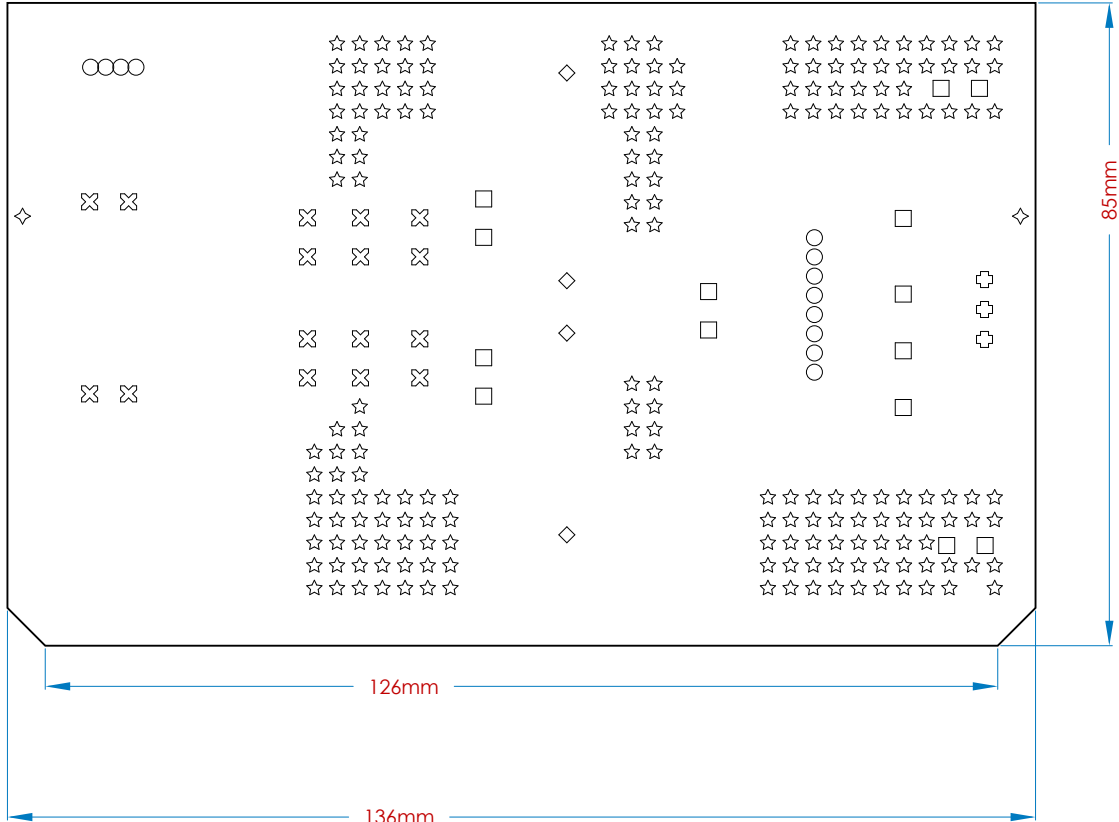


Drill Drawing View (Scale 1:1)



Drill Table				
Symbol	Count	Hole Size	Plated	Hole Tolerance
☆	190	0.7mm	Plated	None
○	12	0.8mm	Plated	None
◇	4	1.2mm	Plated	None
□	14	1.5mm	Plated	None
⊕	3	1.6mm	Plated	None
⊗	16	2mm	Plated	None
⬠	2	2.5mm	Plated	None
241 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:	85 mm	X 136 mm
Number of layers:	2	
Min. track width:	0.3 mm	
Min. clearance:	0.3 mm	
Min. hole diameter:	0.4 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, bottom	
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	

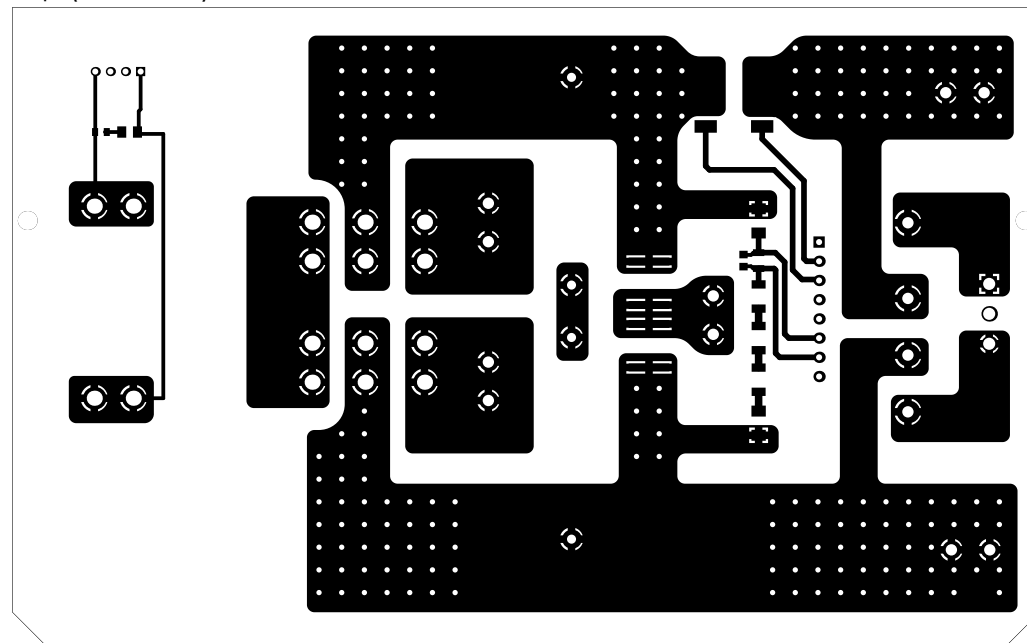
Acceptability:	
IPC-A-600 Class 2	
ul94 Class V-0	

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
Top Overlay	Top Overlay			Legend	GTO
Surface Material	Top Solder	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	Bottom Overlay			Legend	GBO
Total thickness: 2.16mm					

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
								Oltest	
	NAME	SIGNATURE	DATA					TITLE: R100 Commutator	
DRAW	Bondarchuk S.								
CHKD	Bondarchuk S.								
APPV'D	Ornatskiy								
MFG									
QA								AMAK: R100.230.070.001-00	
								SCALE 1:1	
						WEIGHT:		SHEET 1 OF 7	

Top (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 Commutator				
DRAW	Bondarchuk S.										
CHK'D	Bondarchuk S.										
APPV'D	Ornatskiy										
MFG											
QA							AMAK: R100.230.070.001-00				A3
				WEIGHT:			SCALE 1:1			SHEET 2 OF 7	

1

2

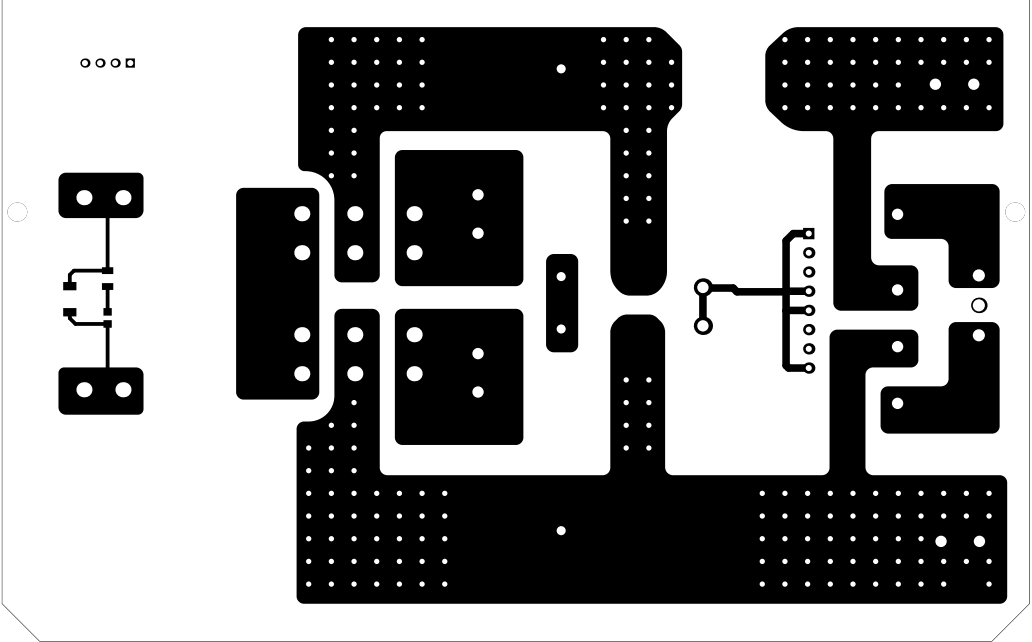
3

4

5

6

Bottom (Scale 1:1)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
							Oitest	
	NAME	SIGNATURE	DATA				TITLE: R100 Commutator	
DRAW	Bondarchuk S.							
CHK'D	Bondarchuk S.							
APPV'D	Ornatskiy							
MFG							AMAK: R100.230.070.001-00	
QA								
							SCALE 1:1	
						WEIGHT:	SHEET 3 OF 7	

1

2

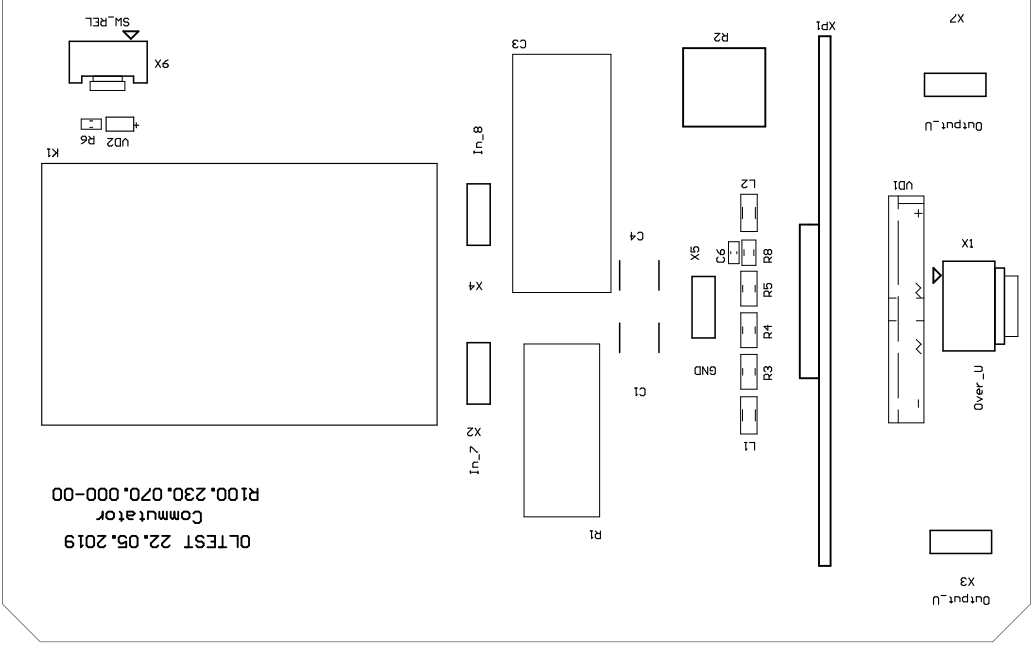
3

4

5

6

Top Overlay (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 Commutator	
DRAW	Bondarchuk S.							
CHK'D	Bondarchuk S.							
APPV'D	Ornatskiy							
MFG								
QA							AMAK: R100.230.070.001-00	
							SCALE 1:1	
						WEIGHT:	SHEET 4 OF 7	

1

2

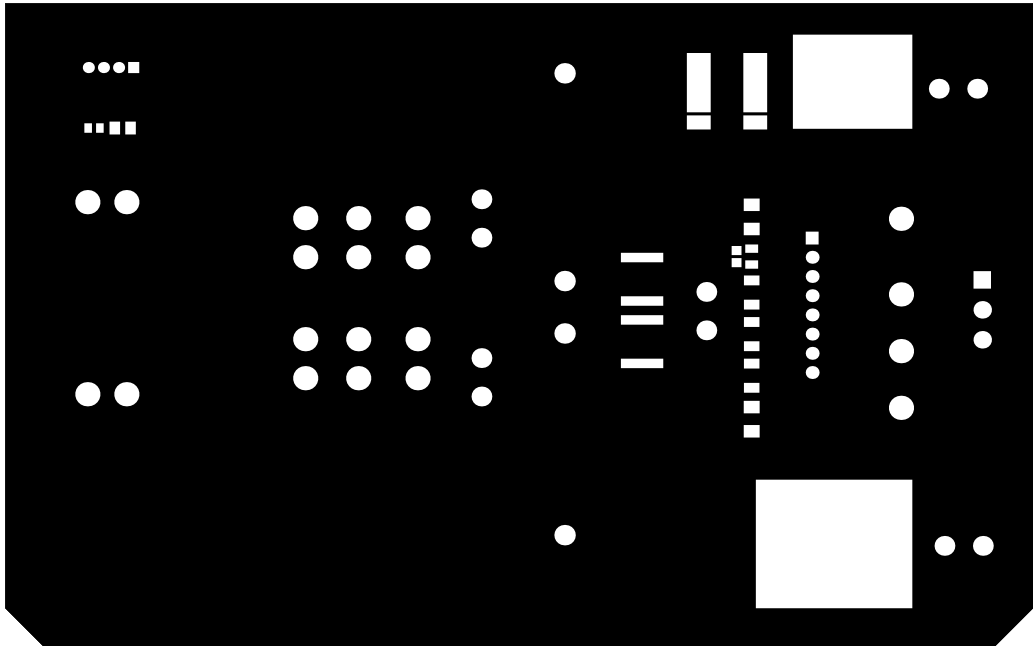
3

4

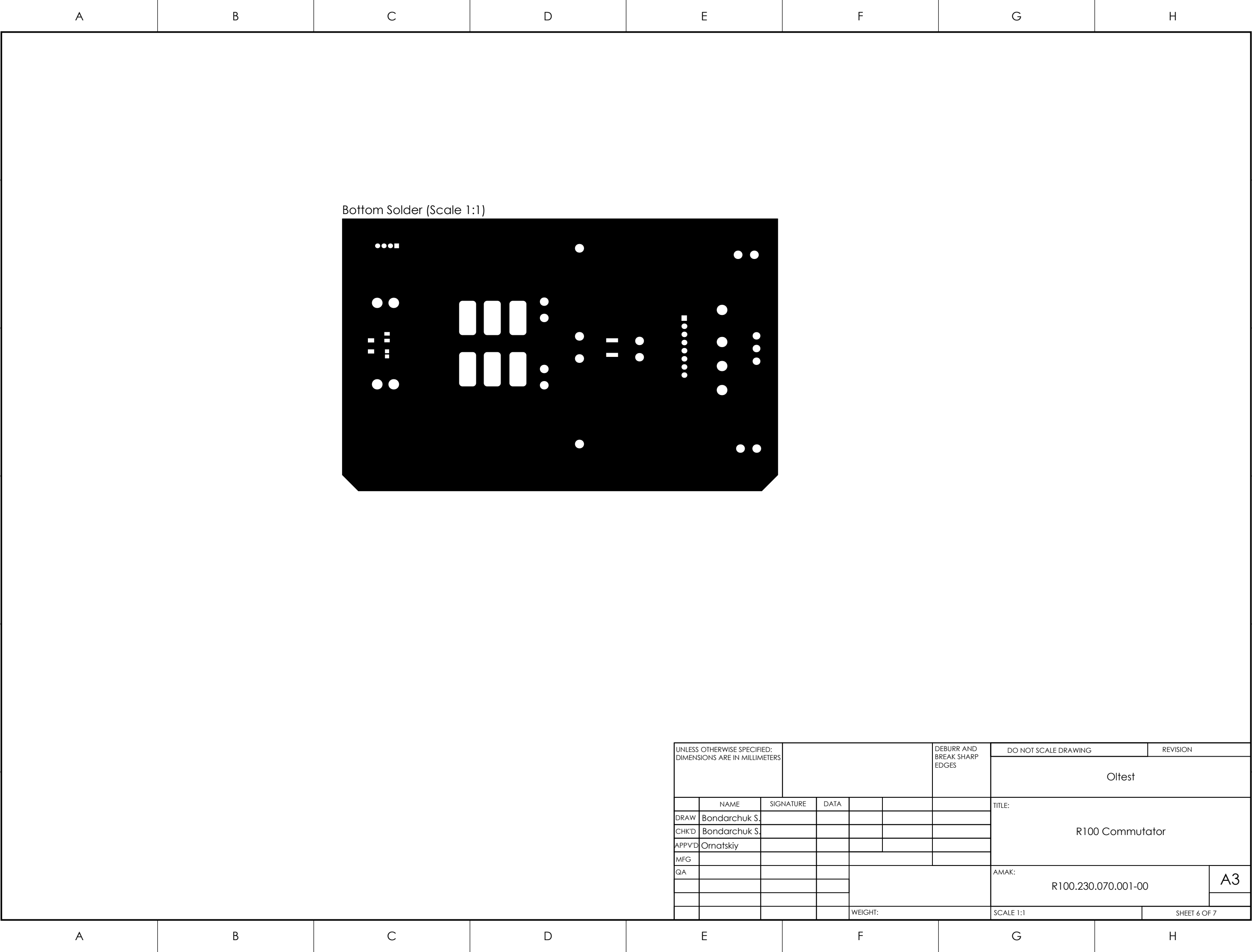
5

6

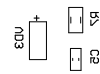
Top Solder (Scale 1:1)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS						DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION		
							Oltest				
	NAME	SIGNATURE	DATA				TITLE: R100 Commutator				
DRAW	Bondarchuk S.										
CHK'D	Bondarchuk S.										
APPV'D	Ornatskiy										
MFG							AMAK: R100.230.070.001-00				
QA											
				WEIGHT:			SCALE 1:1		SHEET 5 OF 7		



Bottom Overlay (Scale 1:1)



BT 00° 530° 020° 00T-00
COWWNT 94 OL

22

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS							DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION	
								Oltest			
	NAME	SIGNATURE	DATA				TITLE: R100 Commutator				
DRAW	Bondarchuk S.										
CHK'D	Bondarchuk S.										
APPV'D	Ornatskiy										
MFG											
QA							AMAK: R100.230.070.001-00				A3
				WEIGHT:			SCALE 1:1		SHEET 7 OF 7		