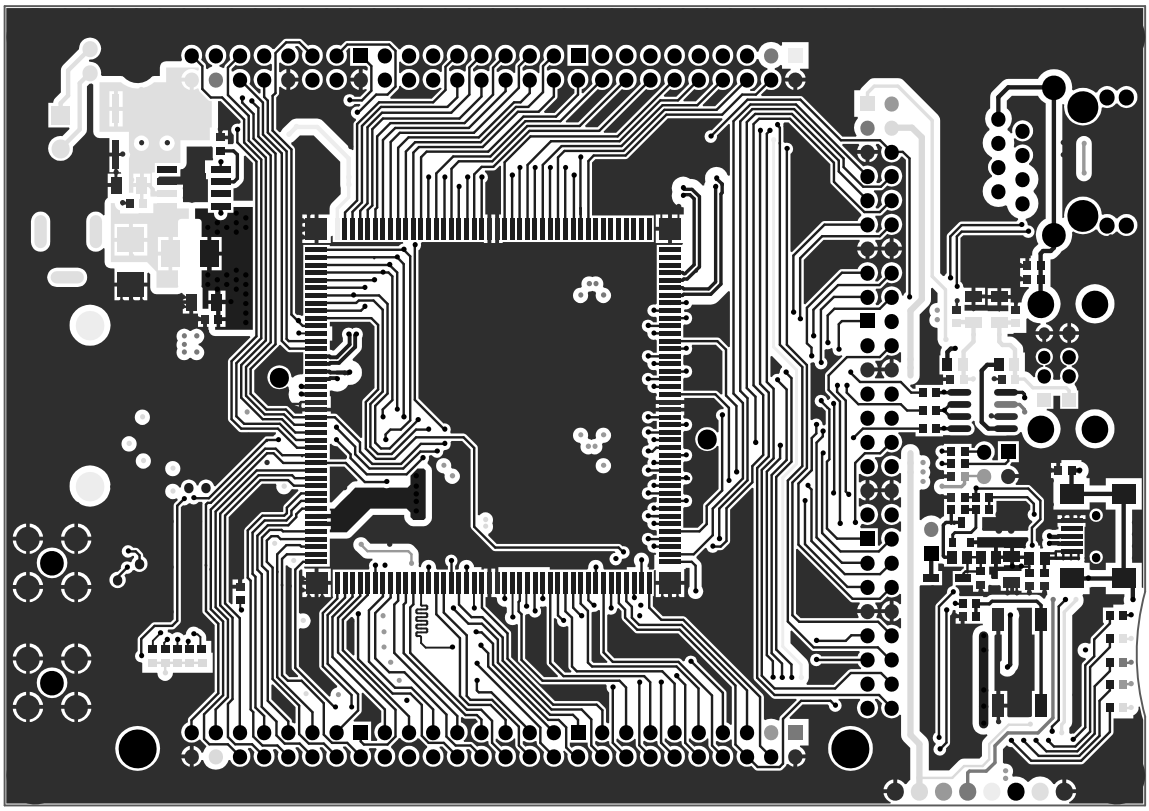
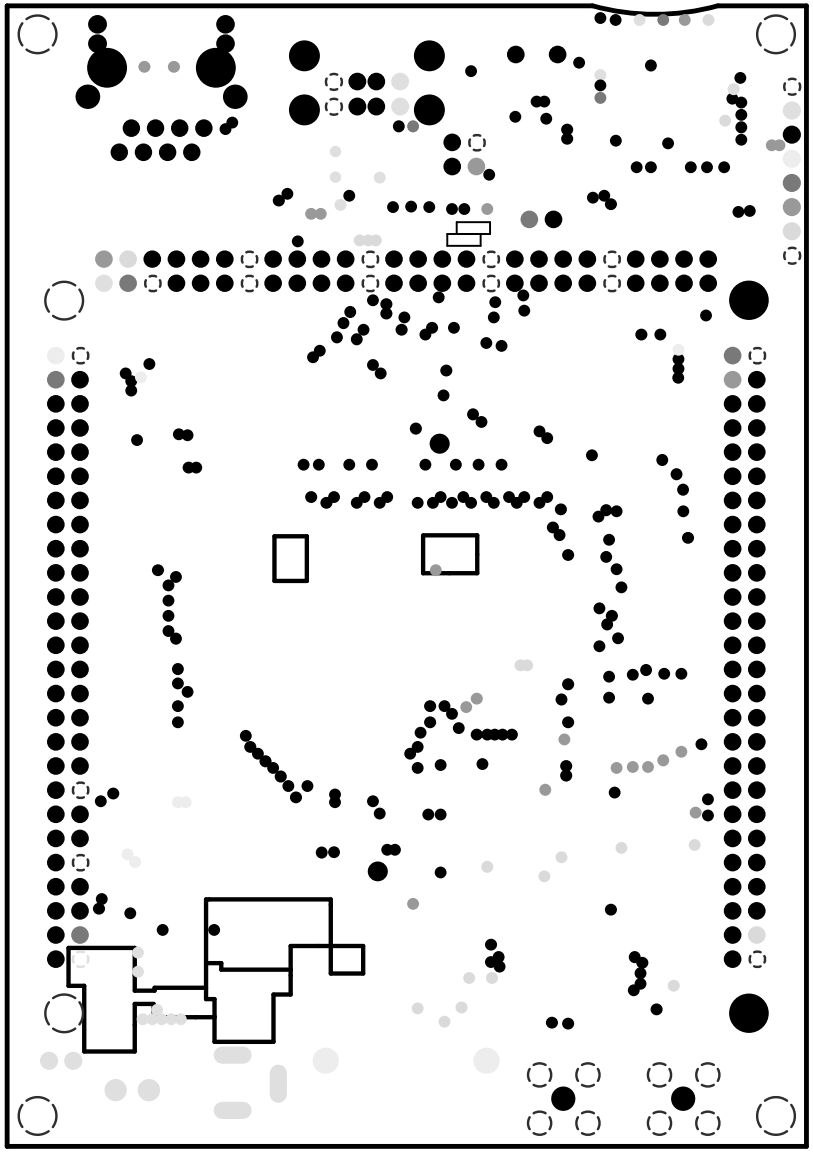
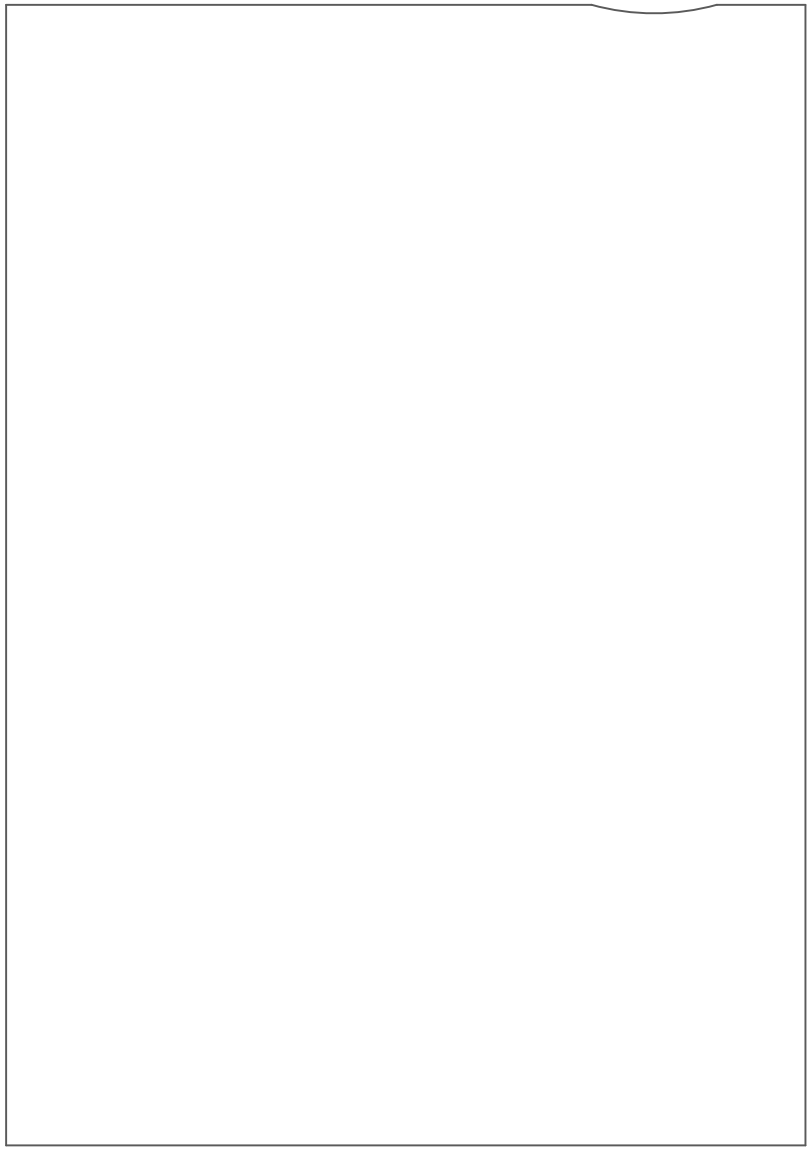
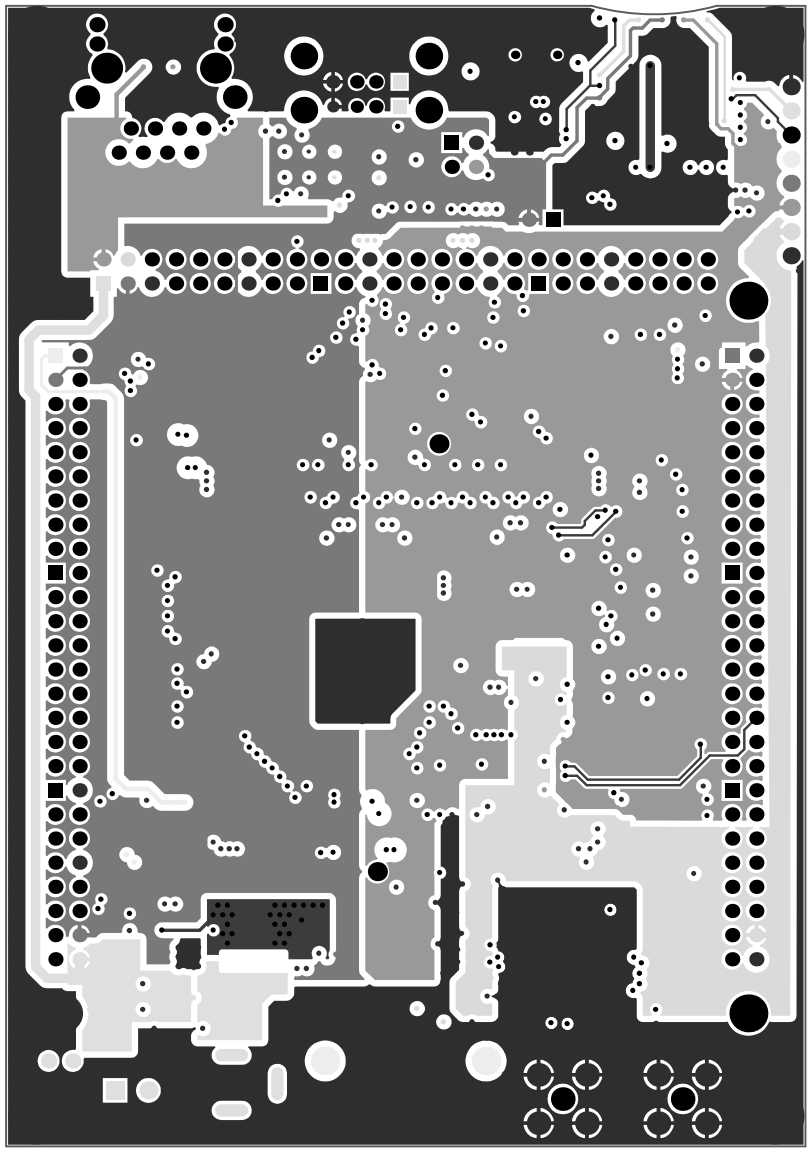
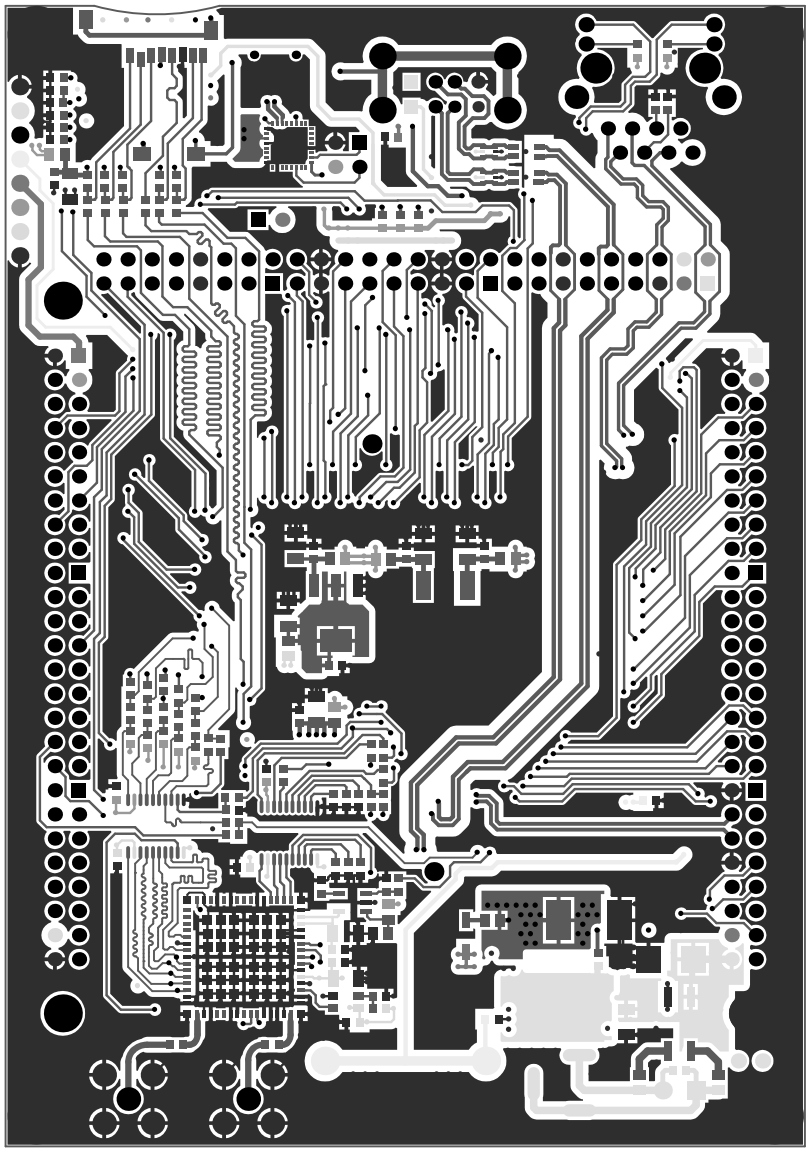










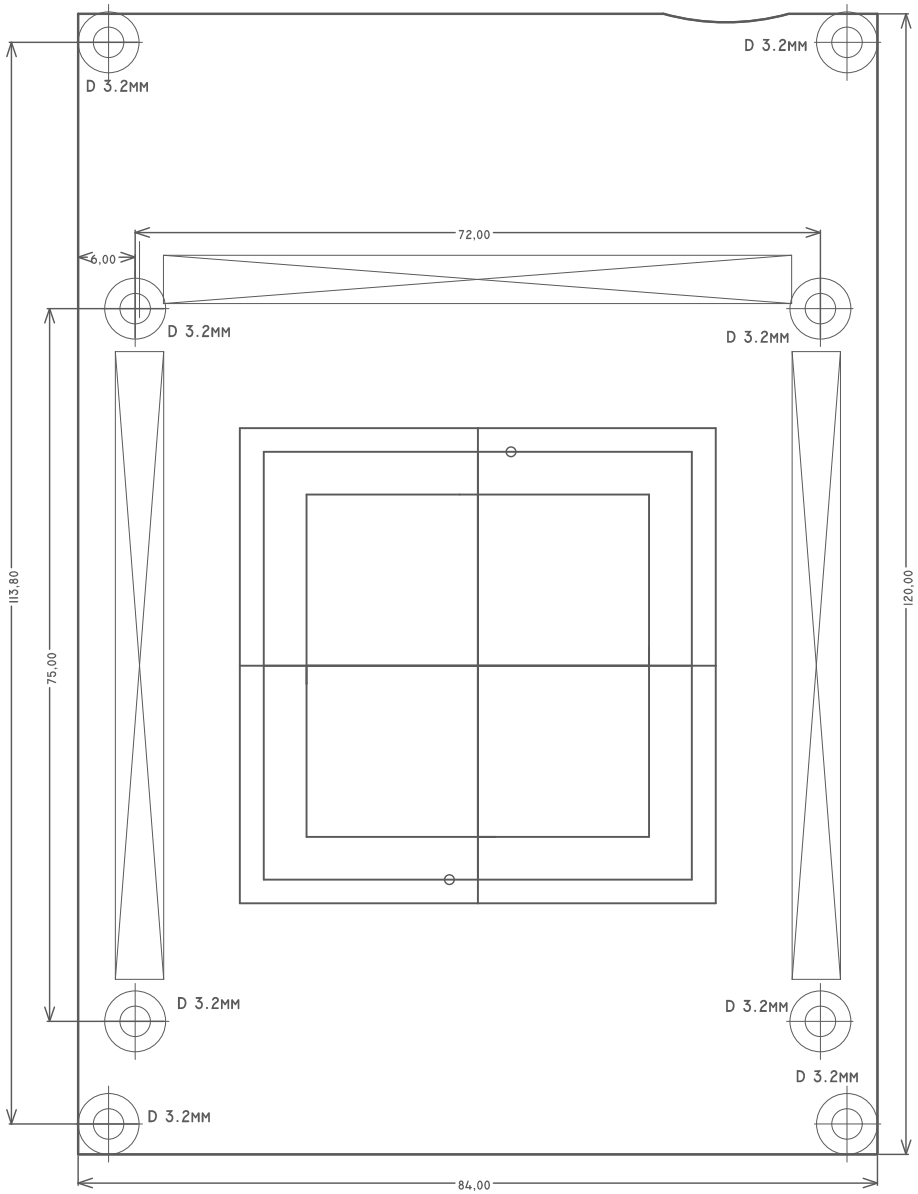
PCB Note

Tending all hole vias 0.3mm.

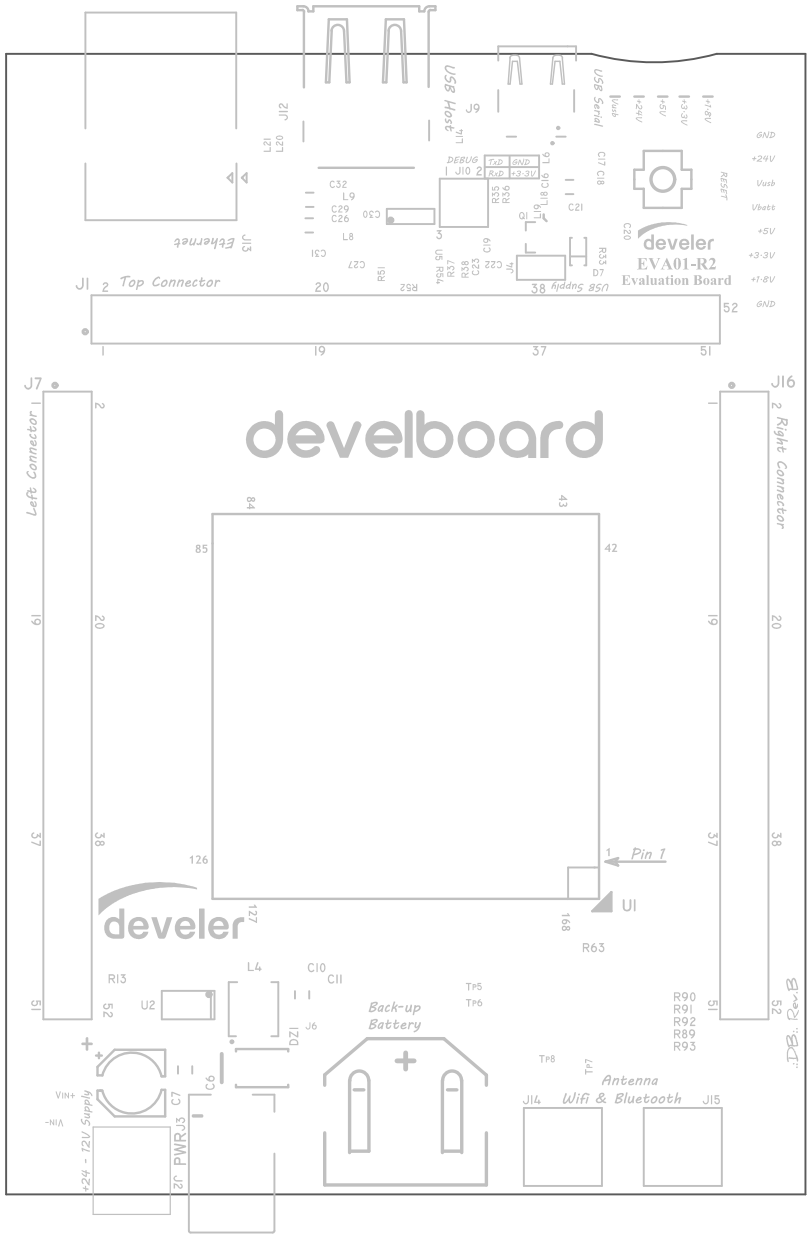
Impedance control:

- Bottom 100ohm +/-10% differential signal
- Bottom 90ohm +/-10% differential signal

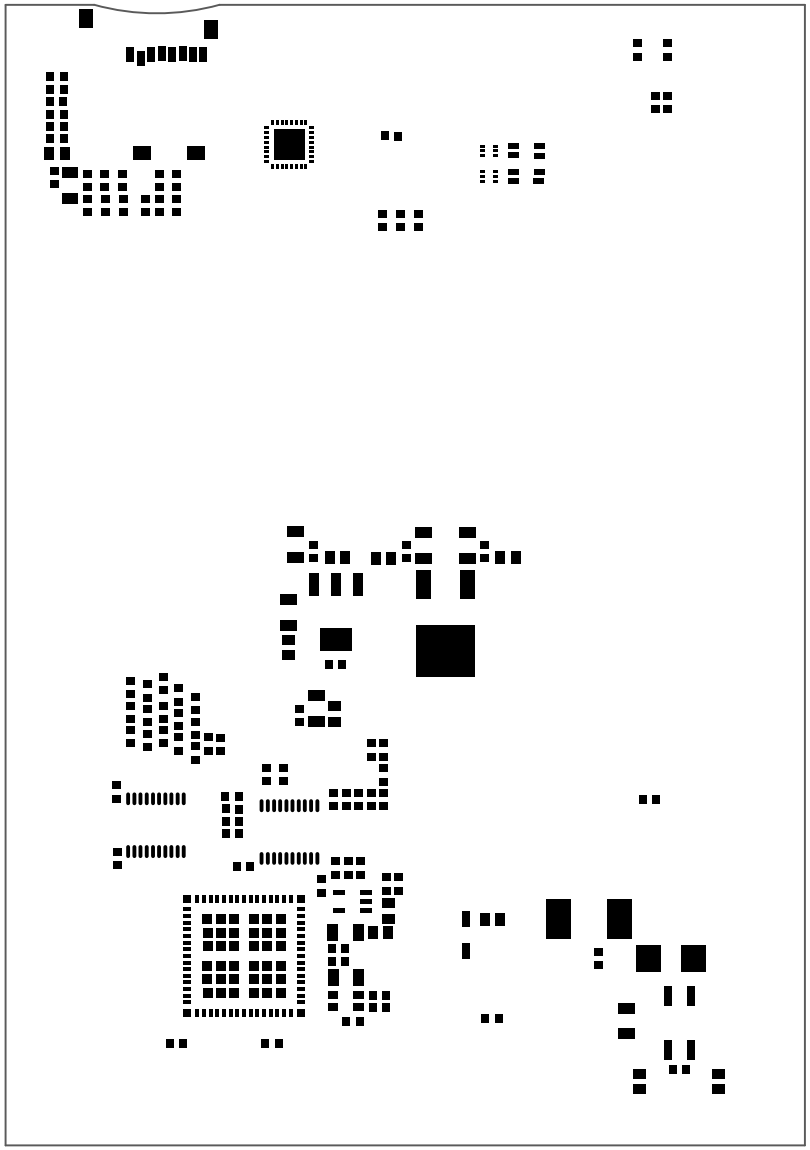
Mechanical Characteristics

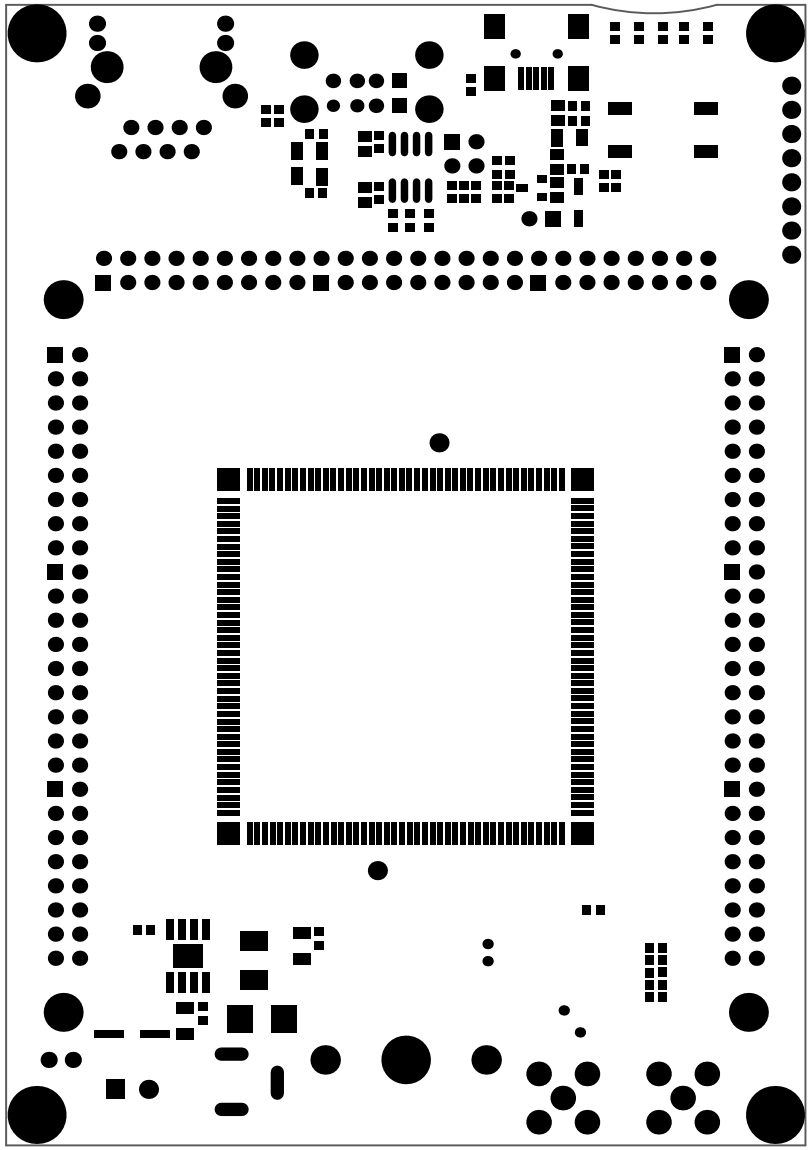


Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0,010mm	3,5	
3	Top Layer	Copper	0,035mm		
4	Dielectric1	2x7628	0,408mm	4,2	
5	Inner	Copper	0,036mm		
6	Dielectric2	FR-4	0,710mm	4,2	
7	GND	Copper	0,036mm		
8	Dielectric3	2x7628	0,408mm	4,2	
9	Bottom Layer	Copper	0,035mm		
10	Bottom Solder	Solder Resist	0,010mm	3,5	
11	Bottom Overlay				

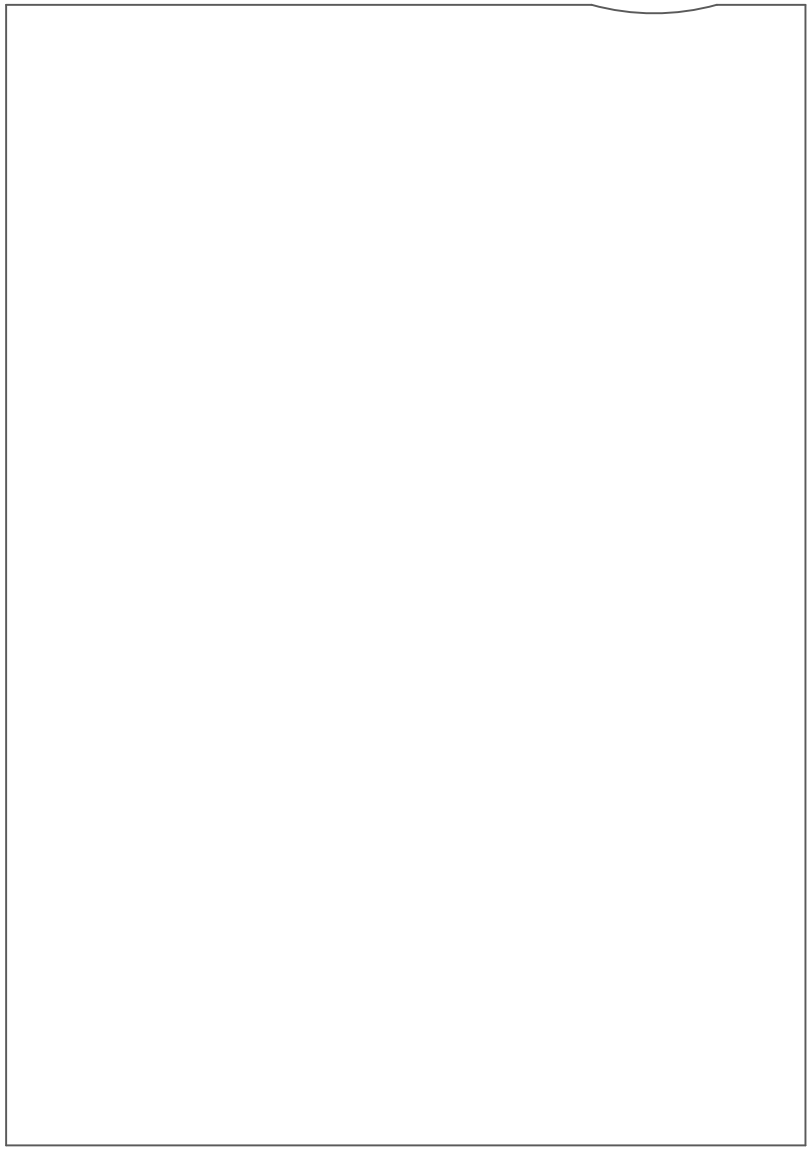

develboard
develer
EVA01-R2
Evaluation Board
Top Connector
Left Connector
Right Connector
Pin 1
Back-up Battery
Antenna
Wifi & Bluetooth
+24 - 12V Supply
Ethernet
USB Host
USB Serial
USB Supply
DEBUG
RESET
J1
J2
J3
J4
J5
J6
J7
J9
J10
J14
J15
J16
U1
U2
GND
+24V
Vusb
Vbatt
+5V
+3.3V
+1.8V

R55
R56
C34
C33
J11
MicroSD
R8
R15
R14
R16
R17
R150
L7
C25
C24
R43
R48
R42
R47
R46
R45
R44
R40
R39
R41
U4
USB <-> Serial
R53
R9
R50
U7
U6
L11
L10
C49
C73
L12
C13
C12
C15
L15
C14
L5
U3
Power Supply +1.8V
Power Supply +3.3V
C50
U28
L16
C74
C2
C1
L1
R59
R58
R1
R80
R2
R81
R3
R4
R82
R5
R79
R83
C36
R57
C37
R76
R72
R75
R73
R74
R85
R7
R86
R78
R84
R6
U11
C38
U8
R71
R68
R66
R11
R60
R10
R69
R67
R65
R70
R62
C47
U9
C35
R77
Wifi & Bluetooth
C40
U10
L13
C41
C39
C43
C42
R94
R87
U12
C44
D6
L17
C48
C5
C9
D2
C8
D1
L2
C3
L3

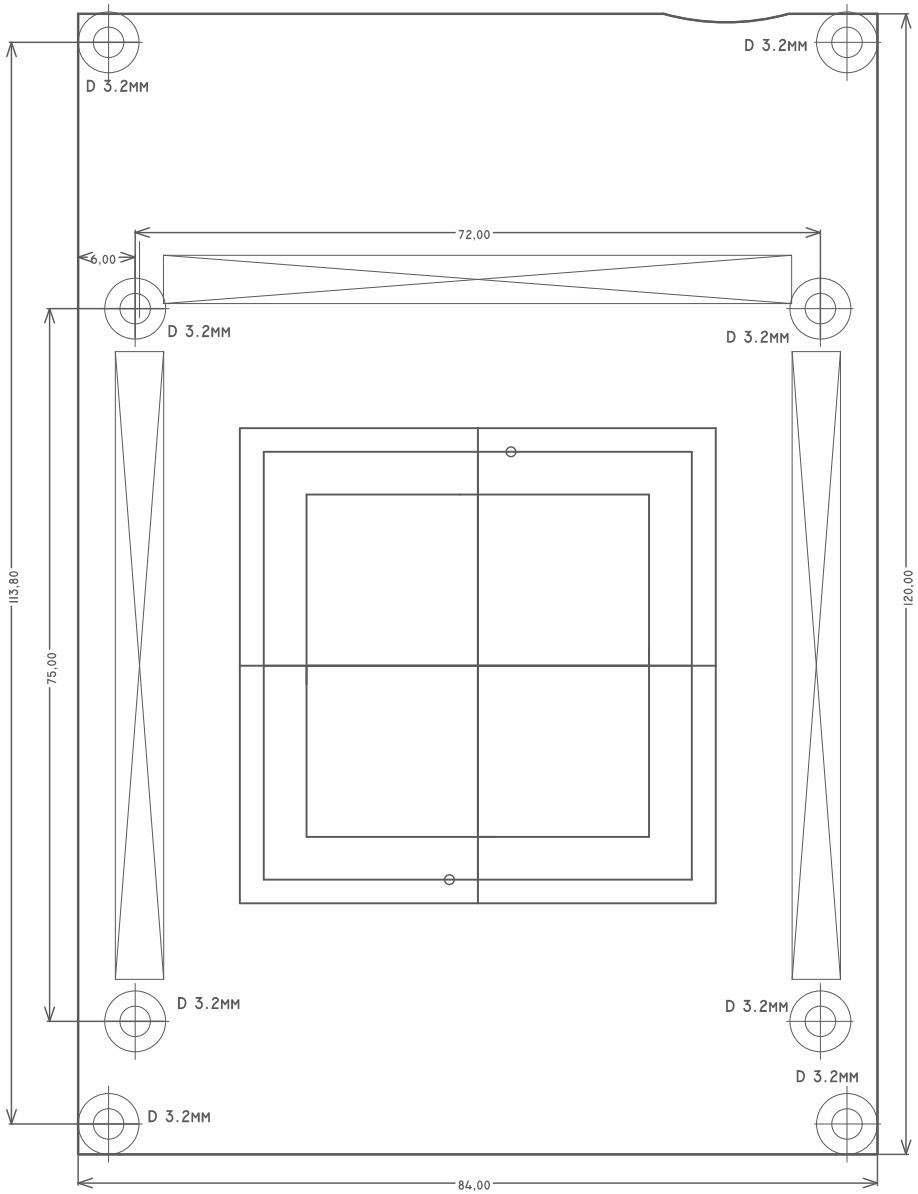




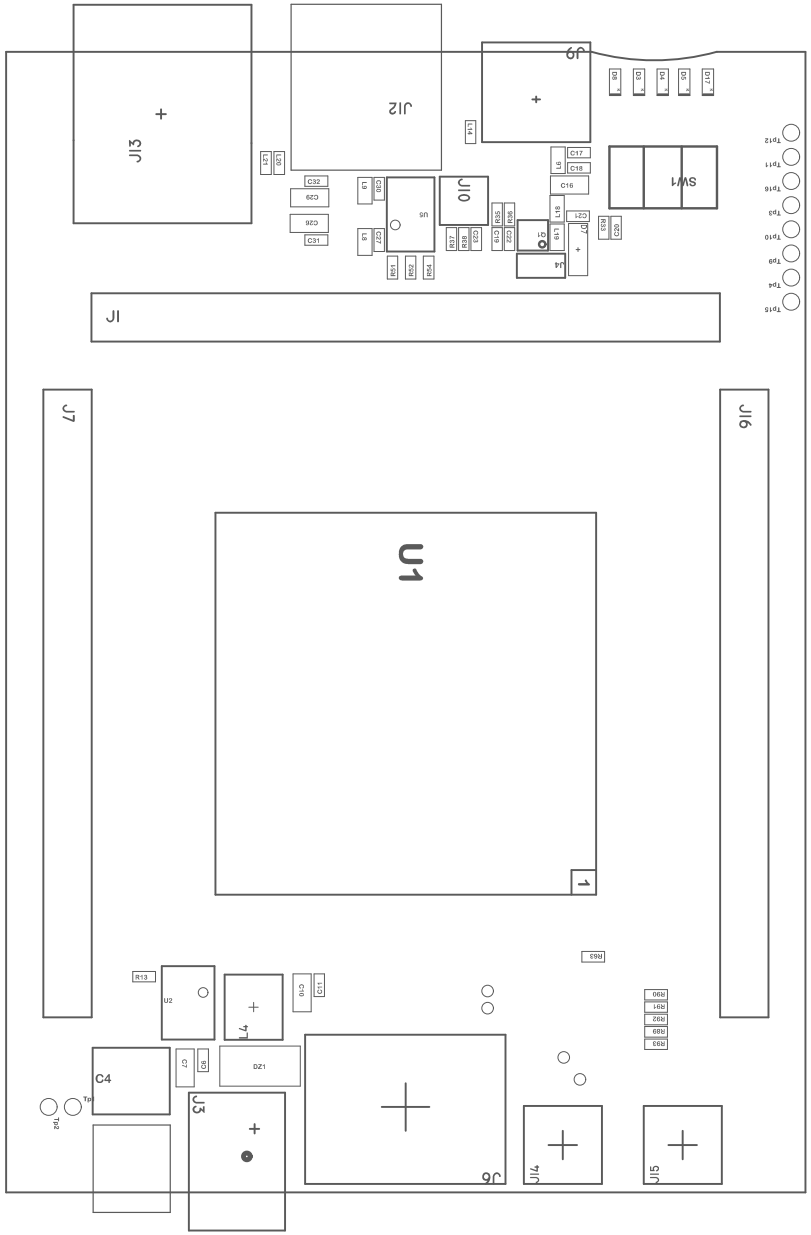
EVA-10-KS
telaveb broadleveb



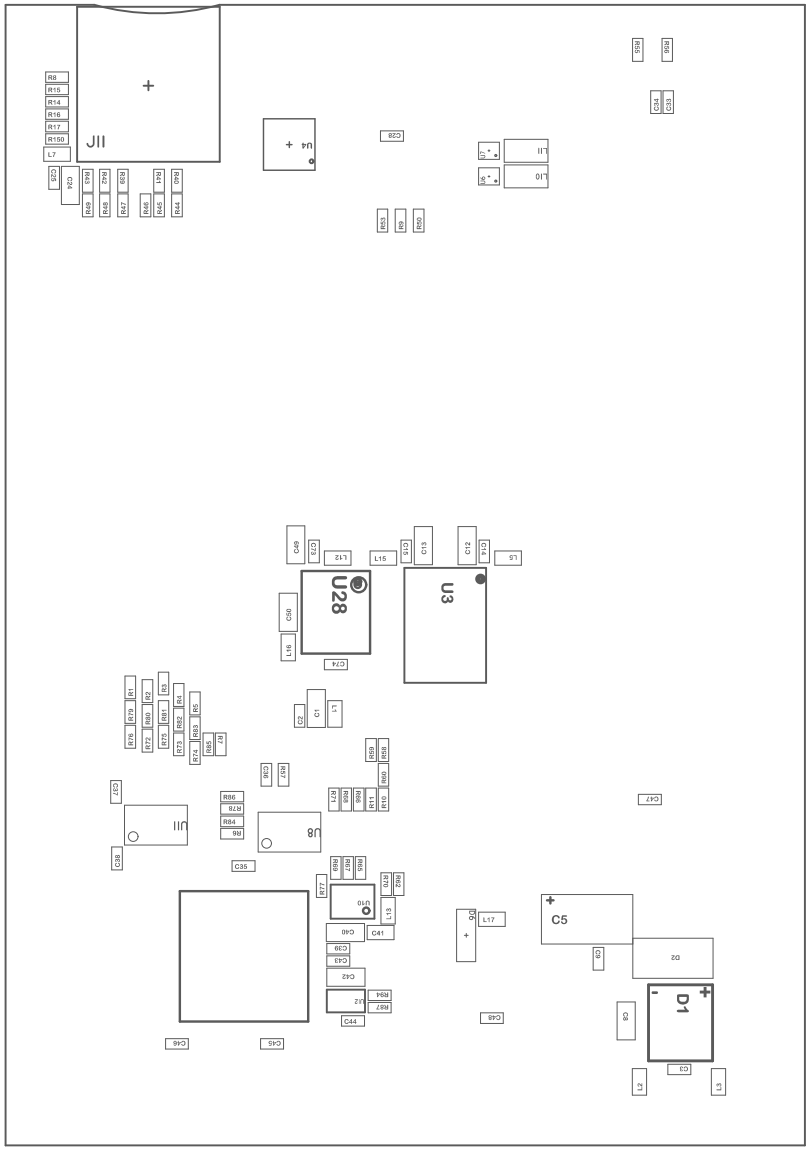
Mechanical Characteristics



Assembly TOP



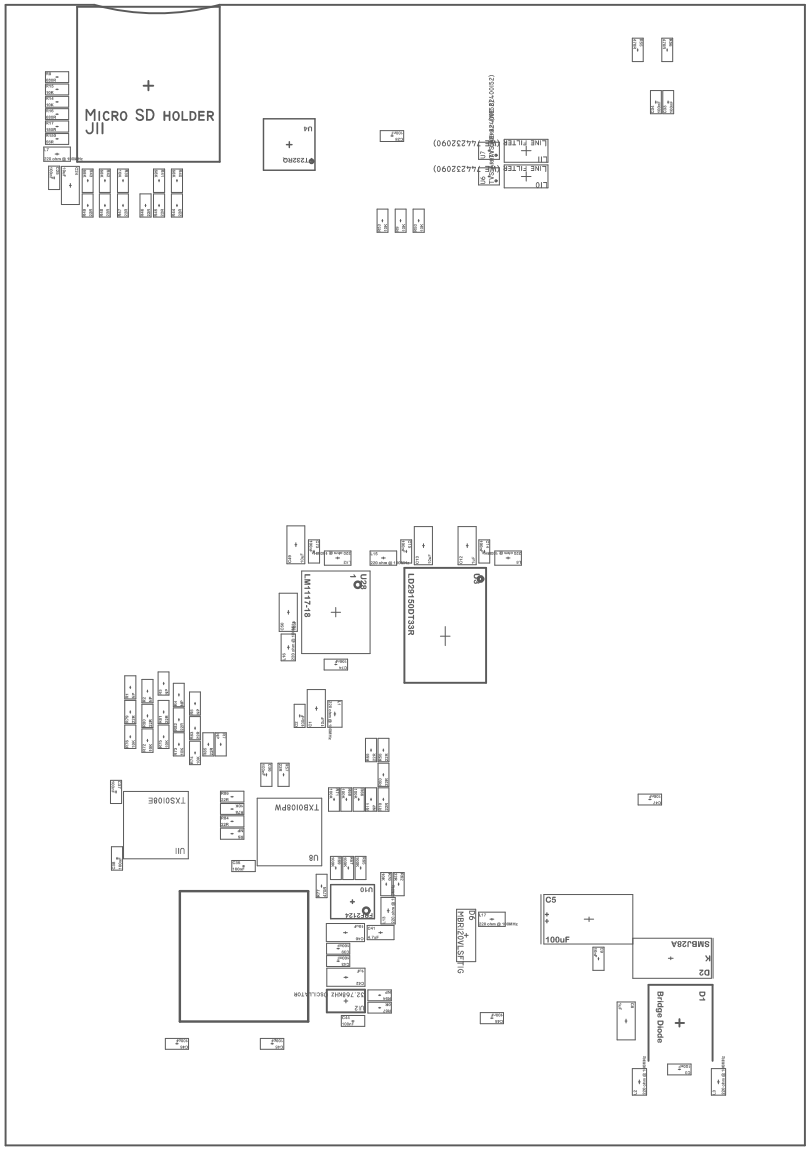
Assembly Bottom

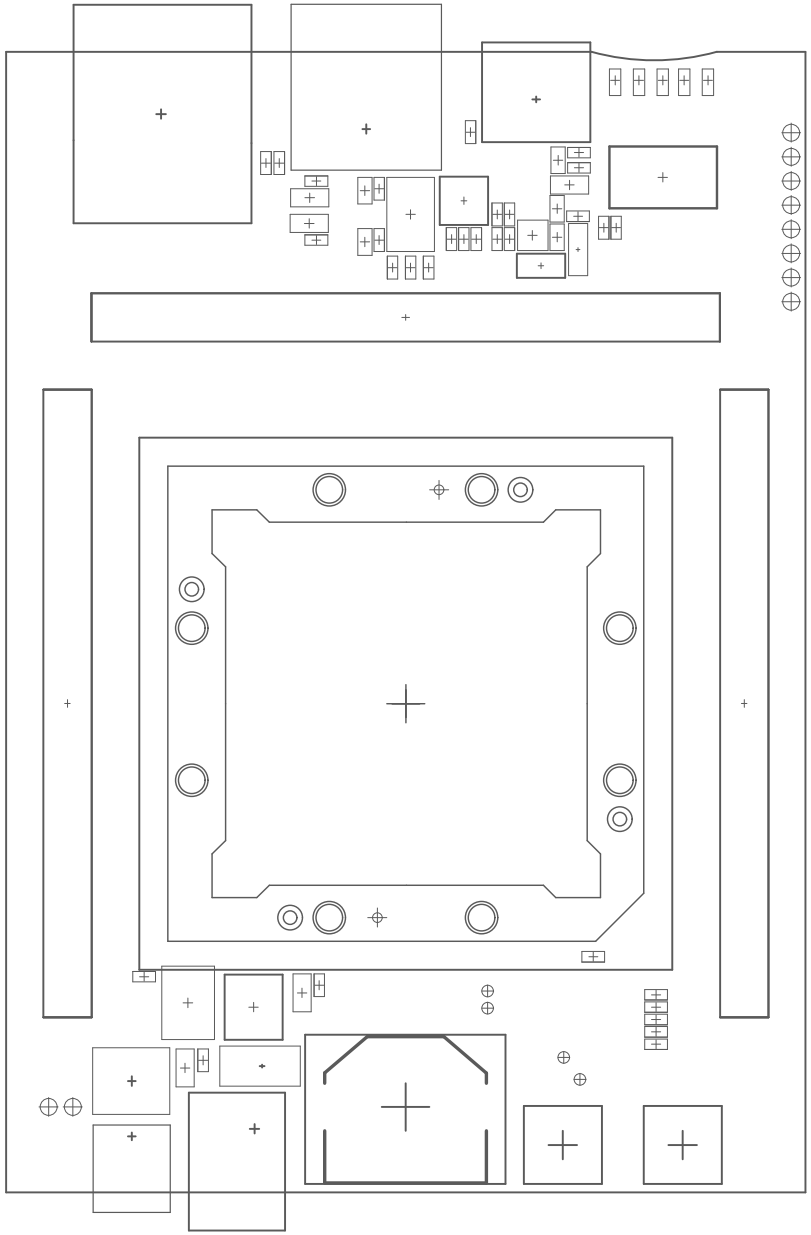


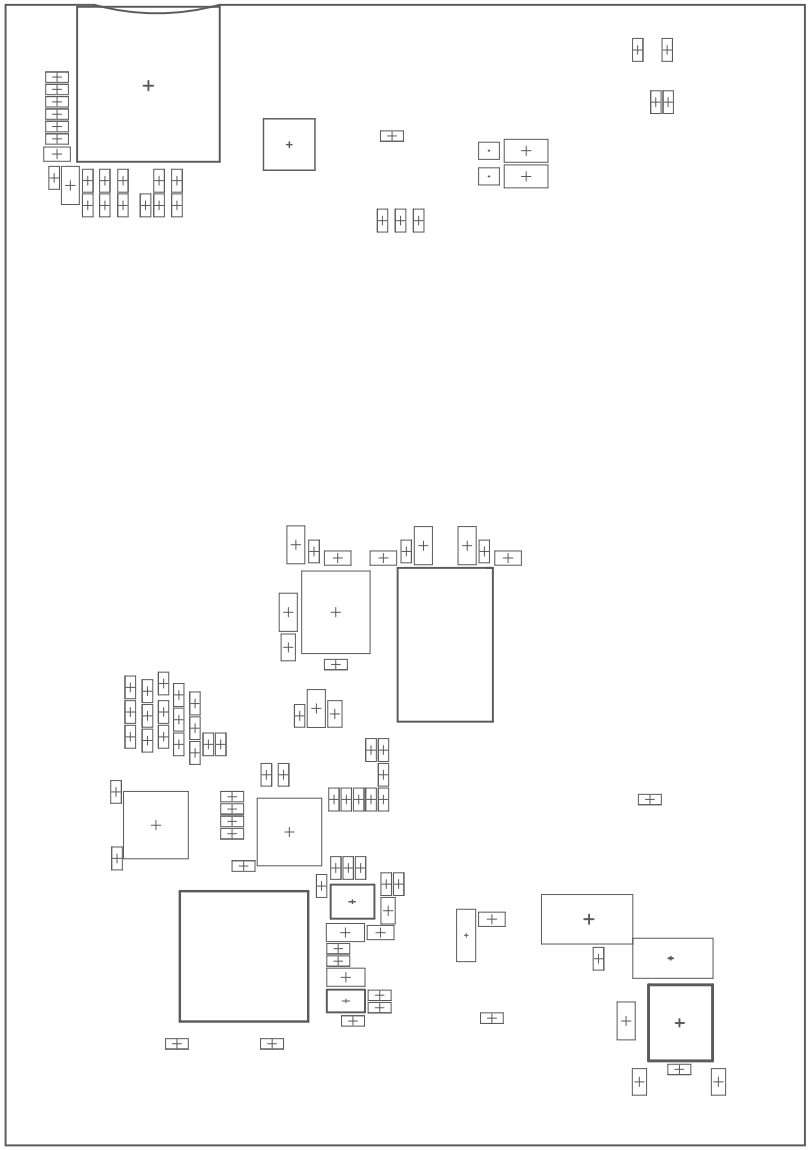
NOTE TOP

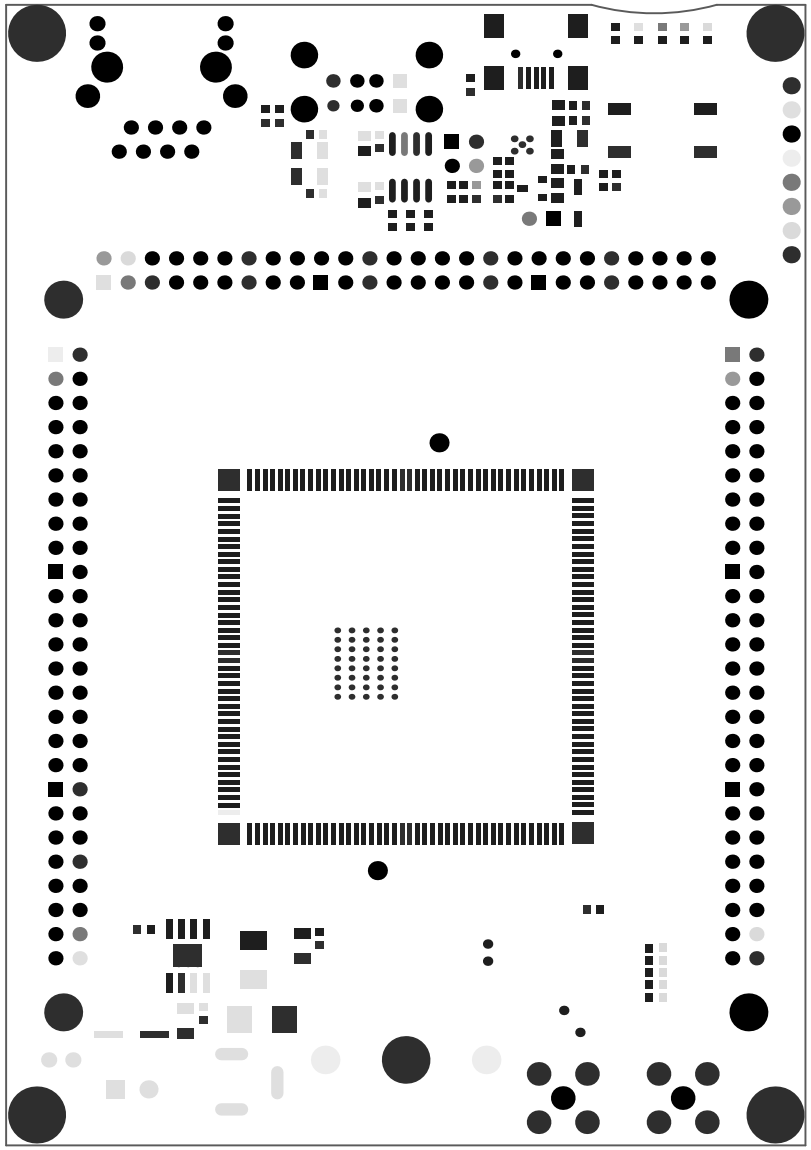
WE 7499011121
J13
USB Type A Dual
J12
Mini USB Type B
J9
SW1
RESET
J10
DEBUG
U5
SP2526A-1EN
J1
TOP
J7
LEFT
J16
RIGHT
U1
DevelBoard
1
L7
10uH WE 7443733410
C4
100uF
DZ1
B340A
J3
+24V INPUT
J6
BATTERY HOLDER
J14
ANT_WLAN_1
J15
NF(ANT_WLAN_2)
BT_DBG
WL_DBG
WL_DBG_TX
WL_DBG_RX

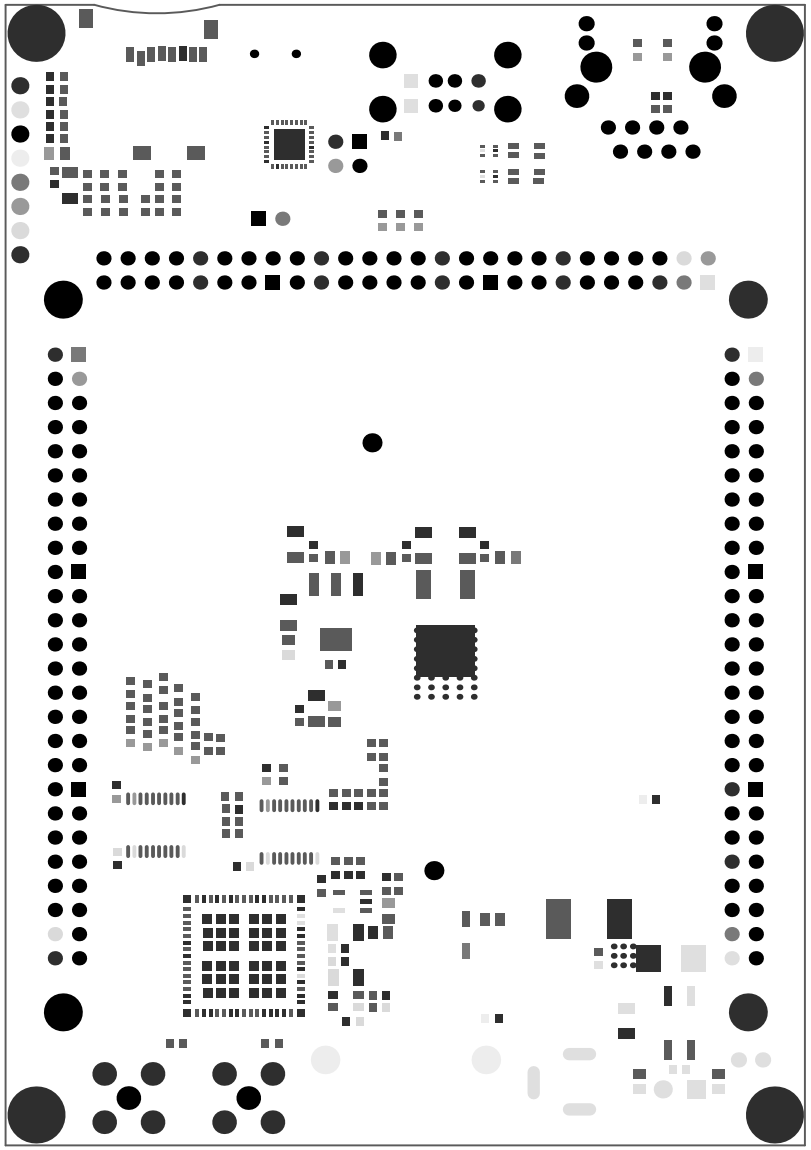
Note Bottom

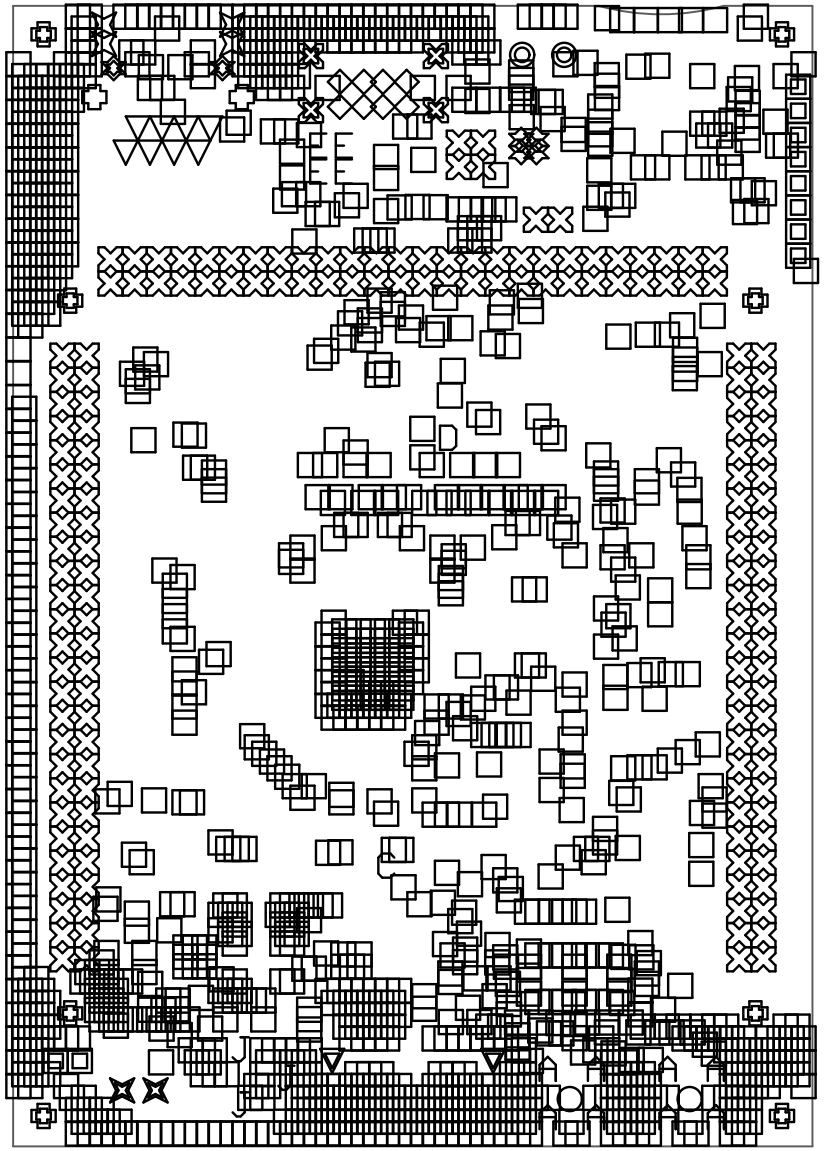

MICRO SD HOLDER
J11
U4
T32MG
LINE FILTER
LINE FILTER
U28
LM1117-18
LD2950DT33R
TXS0108E
U11
TXB0108PW
U8
U10
C5
100uF
SMBJ28A
D2
D1
Bridge Diode











Symbol	Hit Count	Finished Hole Size	Plated	Hole Type	Physical Length
C	1	1,150mm (45,28mil)	NPTH	Round	
D	1	1,150mm (45,28mil)	PTH	Round	
●	2	0,900mm (35,43mil)	NPTH	Round	
✖	2	1,400mm (55,12mil)	PTH	Round	
○	2	1,600mm (62,99mil)	PTH	Round	
✪	2	1,630mm (64,17mil)	PTH	Round	
▼	2	1,800mm (70,87mil)	PTH	Round	
✽	2	3,250mm (127,95mil)	PTH	Round	
J	3	0,800mm (31,50mil)	PTH	Slot	3,000mm (118,11mil)
E	4	0,250mm (9,84mil)	PTH	Round	
✖	4	1,020mm (40,16mil)	PTH	Round	
✖	4	2,300mm (90,55mil)	PTH	Round	
✿	5	0,350mm (13,78mil)	PTH	Round	
▽	8	0,890mm (35,04mil)	PTH	Round	
◇	8	0,920mm (36,22mil)	PTH	Round	
A	8	1,700mm (66,93mil)	PTH	Round	
❁	8	3,200mm (125,98mil)	PTH	Round	
■	10	0,950mm (37,40mil)	PTH	Round	
⊠	162	0,900mm (35,43mil)	PTH	Round	
□	1221	0,300mm (11,81mil)	PTH	Round	
	1459 Total				

Slot definitions : Rout Path Length = Calculated from tool start centre position to tool end centre position.
Physical Length = Rout Path Length + Tool Size = Slot length as defined in the PCB layout