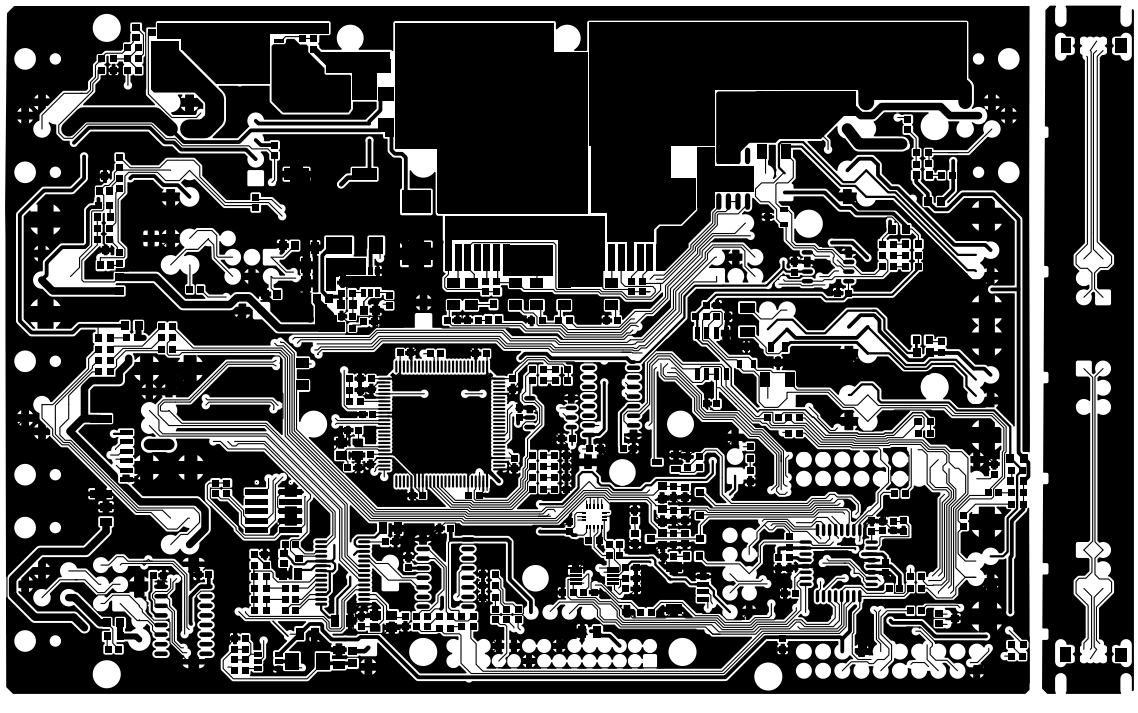
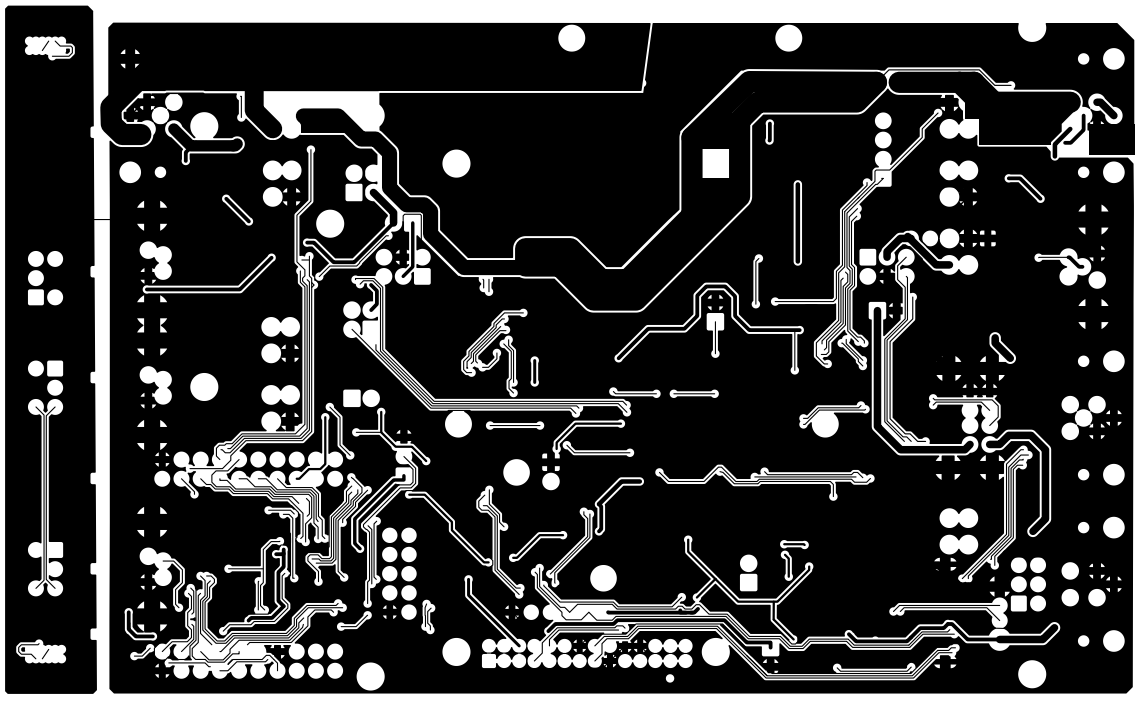
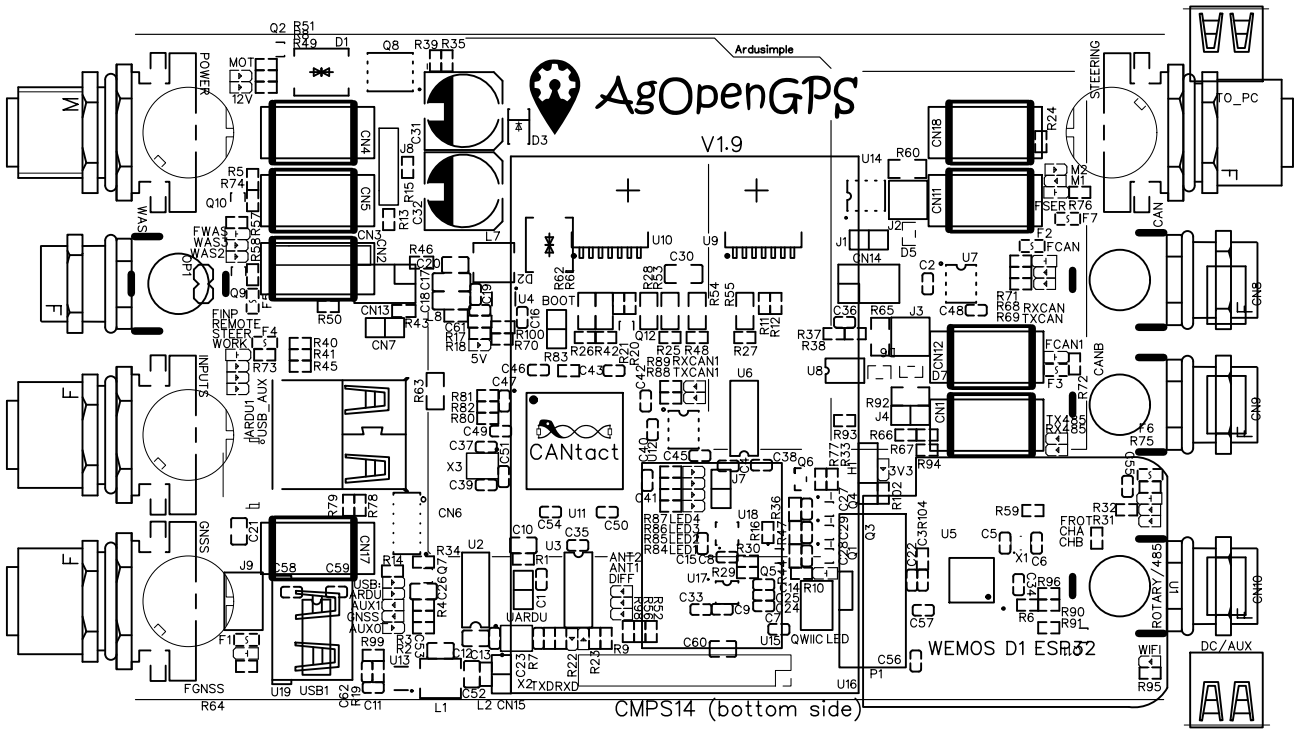
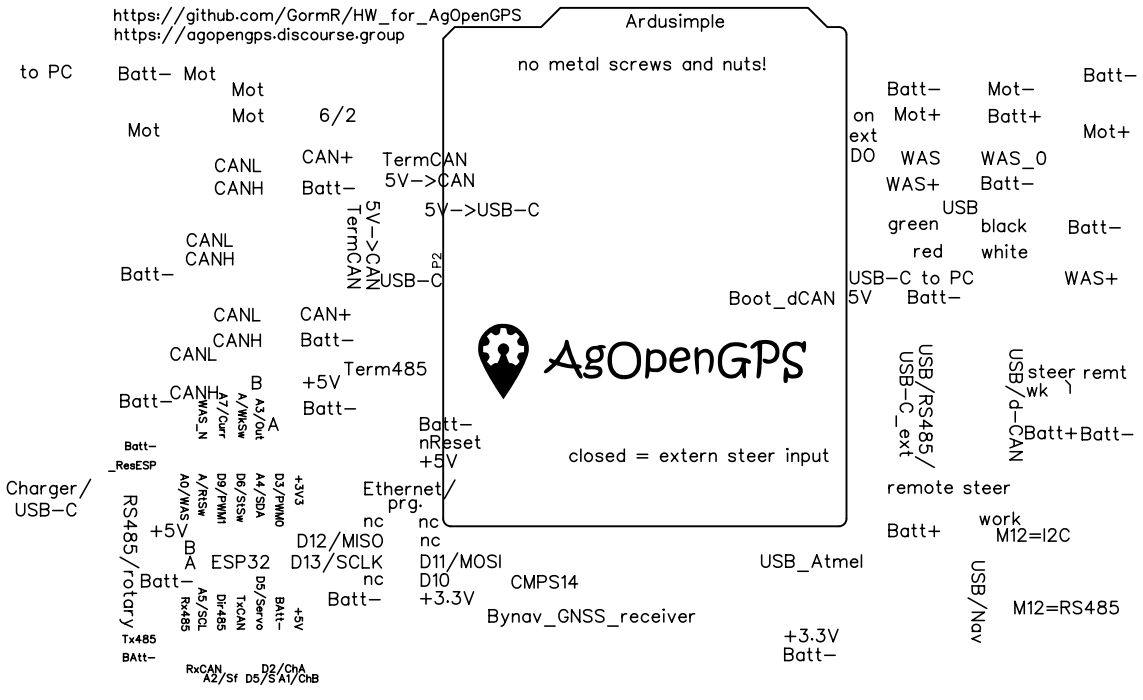
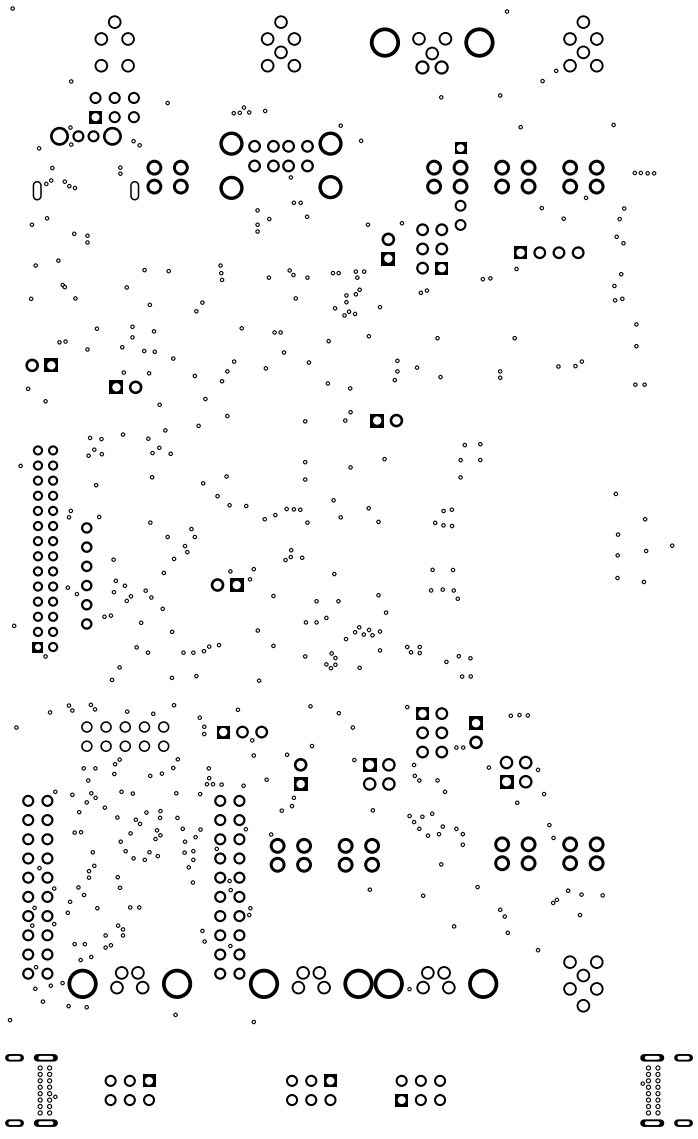
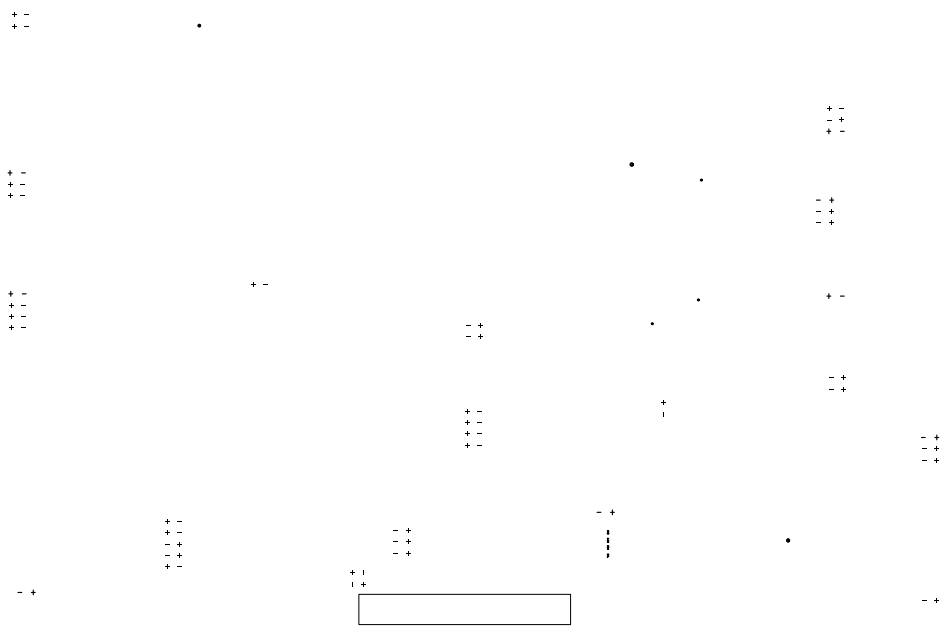





AgOpenGPS
V1.9
Ardusimple
CANtact
WEMOS D1 ESP32
CMPS14 (bottom side)
POWER
STEERING
TO_PC
CAN
CANB
INPUTS
GNSS
FGNSS
ROTARY/485
DC/AUX
WIFI
FWAS
WAS3
WAS2
FINP
REMOTE
STEER
WORK
BOOT
FCAN
FCAN1
RXCAN
TXCAN
RXCAN1
TXCAN1
FROTR
CHA
CHB
ANT2
ANT1
DIFF
UARDU
QWIIC LED
TXDRXD
USB1
USB_AUX
ARDU1
USB:
ARDU
AUX1
GNSS
AUX0
MOT
12V
5V
3V3


https://github.com/GormR/HW_for_AgOpenGPS
https://agopengps.discourse.group
Ardusimple
no metal screws and nuts!
AgOpenGPS
closed = extern steer input
to PC
Batt−
Mot
6/2
CANL
CANH
CAN+
TermCAN
5V−>CAN
5V−>USB−C
USB−C
Term485
+5V
Batt−
nReset
Ethernet/
prg.
nc
D12/MISO
D13/SCLK
D11/MOSI
D10
+3.3V
CMPS14
Bynav_GNSS_receiver
Charger/
USB−C
RS485/rotary
ESP32
Tx485
Rx485
Dir485
TxCAN
D5/Servo
A5/SCL
A2/Sf
D2/ChA
D5/S
A1/ChB
Boot_dCAN
USB−C to PC
5V
USB_Atmel
+3.3V
Batt−
on
ext
DO
Mot+
Mot−
Batt+
WAS
WAS_0
WAS+
USB
green
red
black
white
USB/RS485/
USB−C_ext
USB/d−CAN
steer remt
wk
remote steer
work
M12=I2C
USB/Nav
M12=RS485





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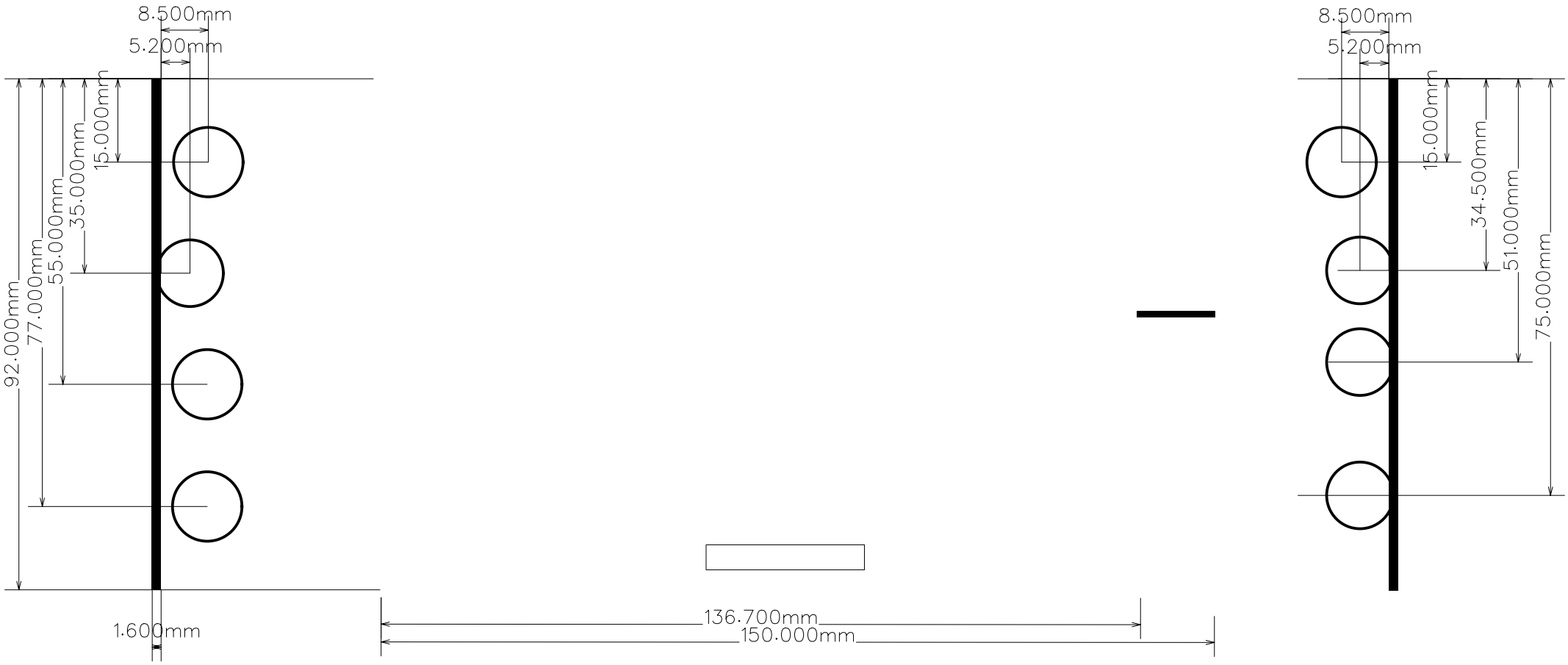
TITLE: Central_Unit_AgOpenGPS		REV: 1.9
EasyEDA	Company: https://github.com/GormR	Sheet:
	Date: 2021-01-16 Drawn By: GoRoNb	



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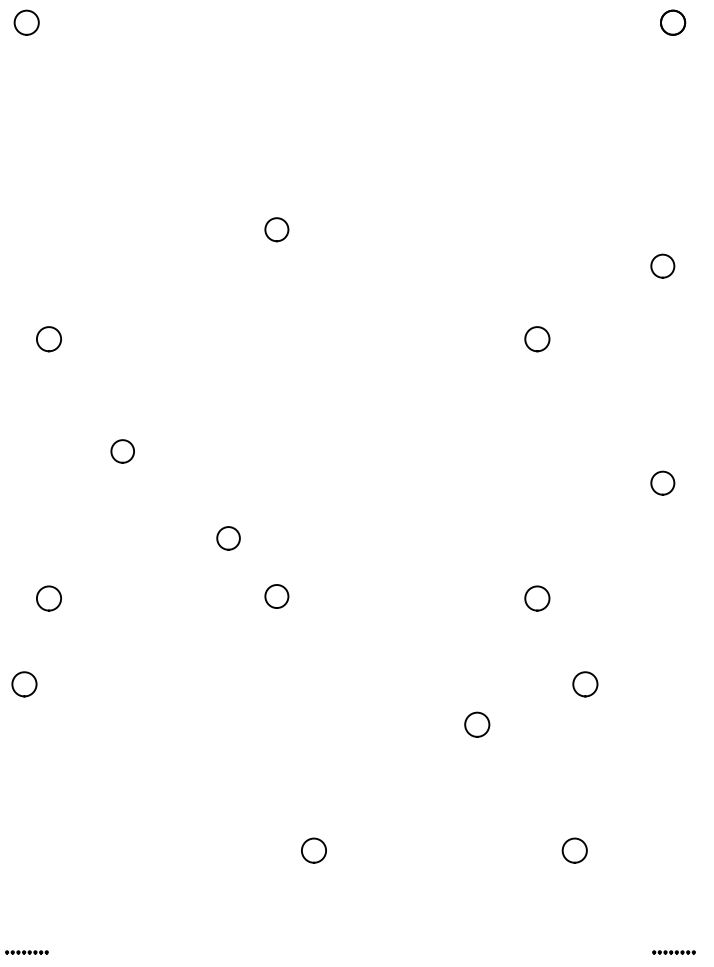
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