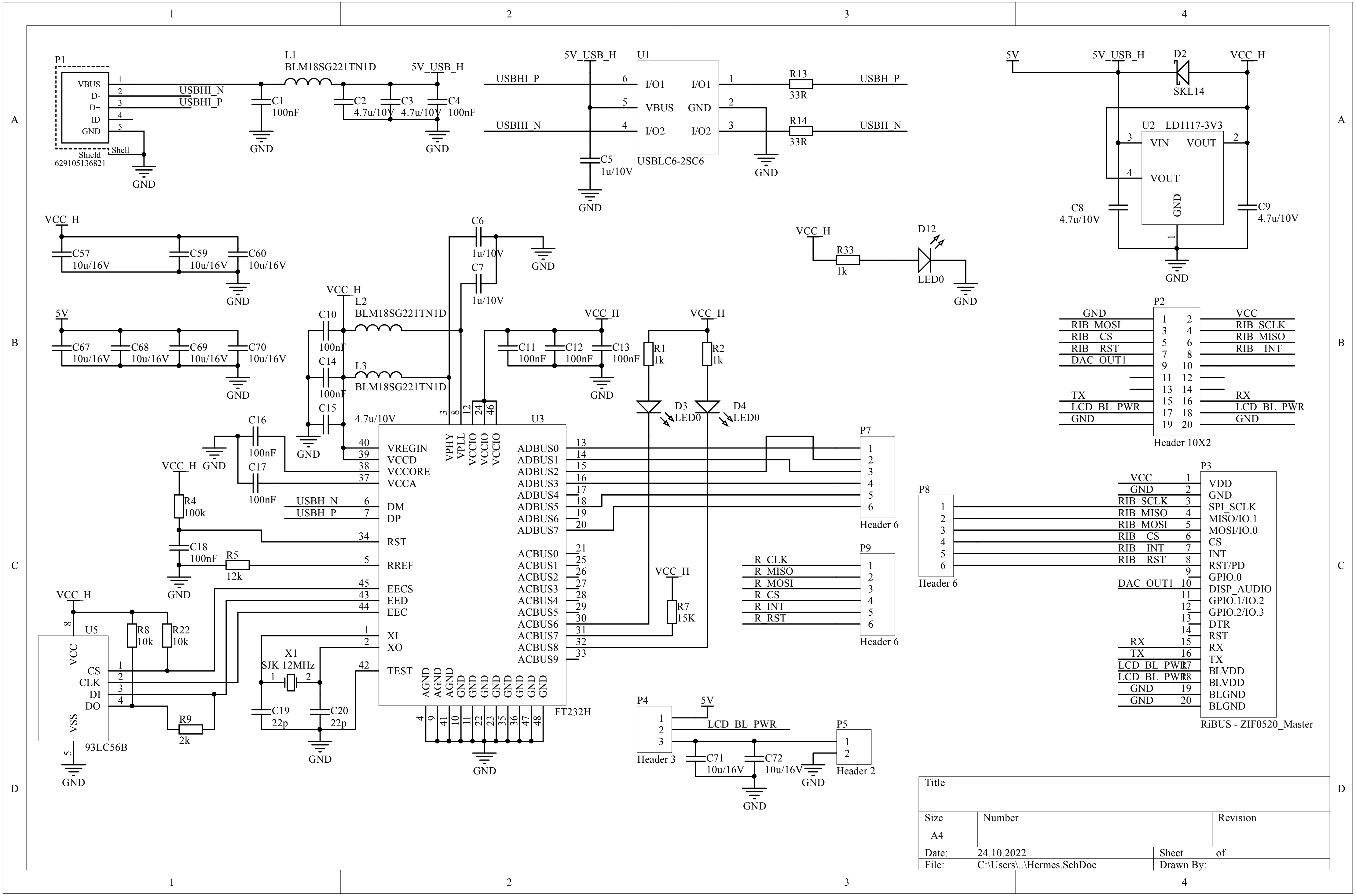

P1
VBUS
D-
D+
ID
GND
Shell
629105136821
L1
BLM18SG221TN1D
USBHI_N
USBHI_P
C1
100nF
C2
4.7u/10V
C3
4.7u/10V
C4
100nF
5V_USB_H
GND
U1
USBLC6-2SC6
I/O1
VBUS
I/O2
GND
C5
1u/10V
R13
33R
R14
33R
USBH_P
USBH_N
5V
D2
SKL14
VCC_H
U2
LD1117-3V3
VIN
VOUT
C8
4.7u/10V
C9
4.7u/10V
R33
1k
D12
LED0
C57
10u/16V
C59
10u/16V
C60
10u/16V
C67
10u/16V
C68
10u/16V
C69
10u/16V
C70
10u/16V
C6
1u/10V
C7
1u/10V
C10
100nF
C14
100nF
C15
4.7u/10V
L2
BLM18SG221TN1D
L3
BLM18SG221TN1D
C11
100nF
C12
100nF
C13
100nF
R1
1k
R2
1k
D3
LED0
D4
LED0
P2
Header 10X2
RIB_MOSI
RIB_CS
RIB_RST
DAC_OUT1
RIB_SCLK
RIB_MISO
RIB_INT
TX
RX
LCD_BL_PWR
C16
100nF
C17
100nF
U3
FT232H
VREGIN
VCCD
VCCORE
VCCA
VPHY
VPLL
VCCIO
DM
DP
RST
RREF
EECS
EED
EEC
XI
XO
TEST
AGND
ADBUS0
ADBUS1
ADBUS2
ADBUS3
ADBUS4
ADBUS5
ADBUS6
ADBUS7
ACBUS0
ACBUS1
ACBUS2
ACBUS3
ACBUS4
ACBUS5
ACBUS6
ACBUS7
ACBUS8
ACBUS9
P7
Header 6
P8
Header 6
P9
Header 6
R_CLK
R_MISO
R_MOSI
R_CS
R_INT
R_RST
P3
RiBUS - ZIF0520_Master
VCC
VDD
SPI_SCLK
MISO/IO.1
MOSI/IO.0
CS
INT
RST/PD
GPIO.0
DISP_AUDIO
GPIO.1/IO.2
GPIO.2/IO.3
DTR
RST
BLVDD
BLGND
R4
100k
C18
100nF
R5
12k
R7
15K
U5
93LC56B
VCC
CS
CLK
DI
DO
VSS
R8
10k
R22
10k
R9
2k
X1
SJK 12MHz
C19
22p
C20
22p
P4
Header 3
P5
Header 2
C71
10u/16V
C72
10u/16V
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Size
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Number
Revision
Date:
24.10.2022
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of
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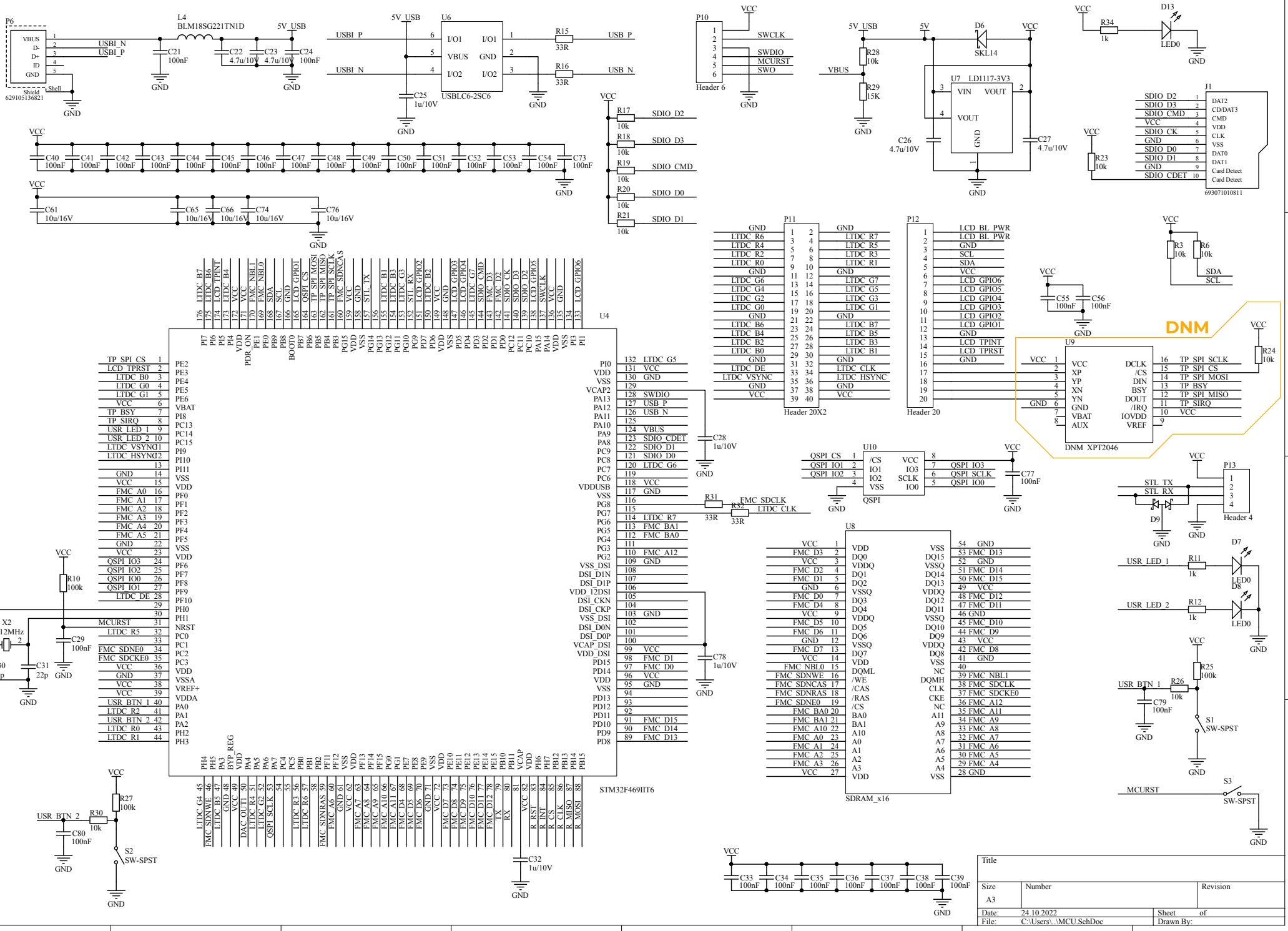
P6
L4
BLM18SG221TN1D
5V_USB
USBI_P
USBI_N
U6
USBLC6-2SC6
R15
33R
R16
33R
USB_P
USB_N
C25
1u/10V
P10
Header 6
SWCLK
SWDIO
MCURST
SWO
D6
SKL14
U7 LD1117-3V3
R28
10k
R29
15K
C26
4.7u/10V
C27
4.7u/10V
D13
LED0
R34
1k
J1
693071010811
R23
10k
C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C73
100nF
C61
10u/16V
C65 C66 C74 C76
10u/16V
R17 R18 R19 R20 R21
10k
SDIO_D2
SDIO_D3
SDIO_CMD
SDIO_D0
SDIO_D1
P11
Header 20X2
P12
Header 20
C55 C56
100nF
R3 R6
10k
SDA
SCL
DNM
U9
DNM_XPT2046
R24
10k
U4
STM32F469IIT6
R10
100k
X2
SJK 12MHz
C29
100nF
C30
22p
C31
22p
C28
1u/10V
C78
1u/10V
C32
1u/10V
R31
33R
R32
33R
EMC_SDCLK
LTDC_CLK
U10
QSPI
C77
100nF
U8
SDRAM_x16
P13
Header 4
D9
D7
D8
LED0
R11
1k
R12
1k
USR_LED_1
USR_LED_2
R25
100k
R26
10k
C79
100nF
S1
SW-SPST
S3
SW-SPST
MCURST
R27
100k
R30
10k
C80
100nF
S2
SW-SPST
USR_BTN_2
C33 C34 C35 C36 C37 C38 C39
100nF
Title
Size
A3
Number
Revision
Date:
24.10.2022
Sheet
of
File:
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Drawn By: