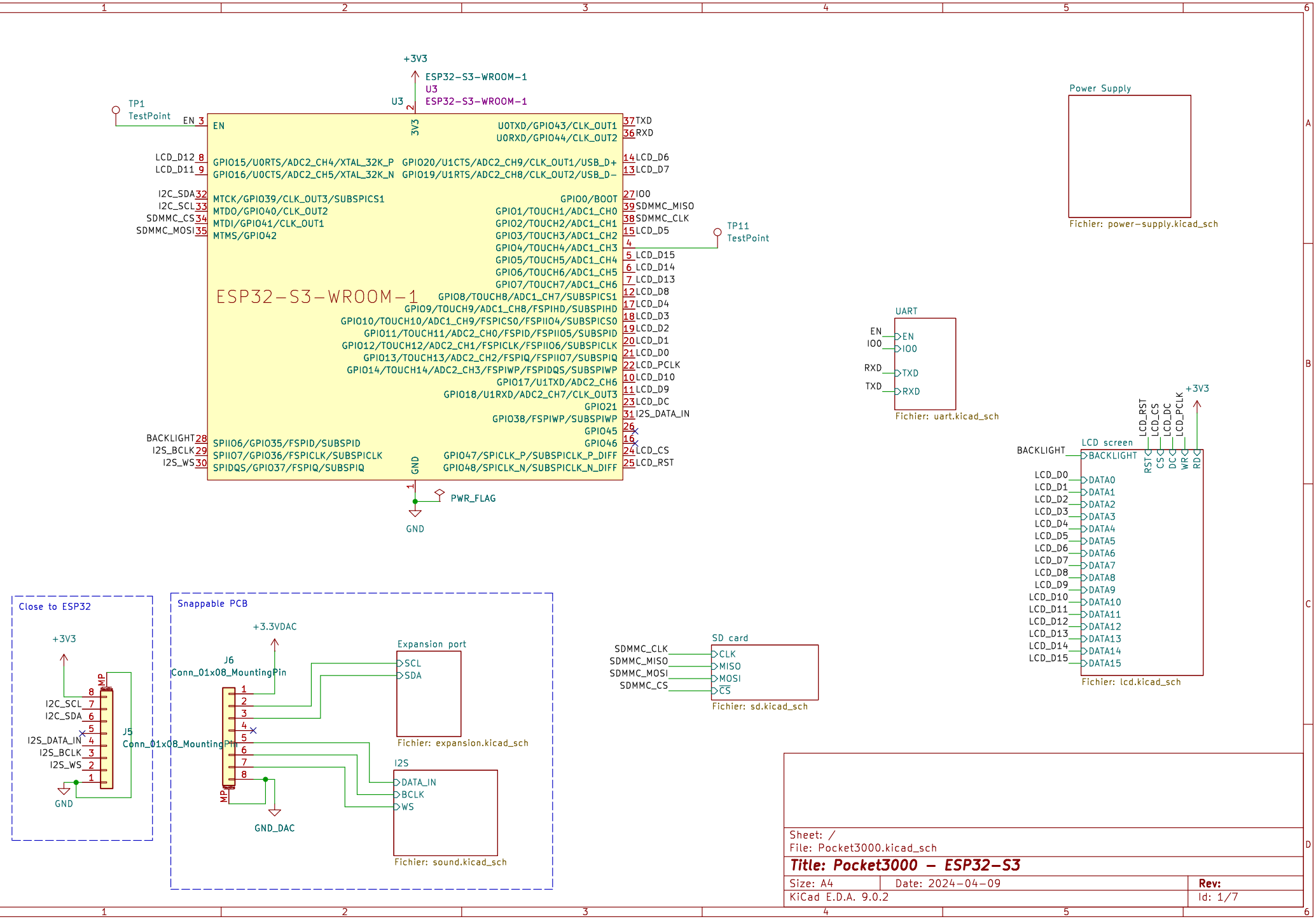
+3V3
ESP32-S3-WROOM-1
U3
ESP32-S3-WROOM-1
TP1
TestPoint
EN
3V3
U0TXD/GPIO43/CLK_OUT1
U0RXD/GPIO44/CLK_OUT2
TXD
RXD
LCD_D12
LCD_D11
GPIO15/U0RTS/ADC2_CH4/XTAL_32K_P
GPIO16/U0CTS/ADC2_CH5/XTAL_32K_N
GPIO20/U1CTS/ADC2_CH9/CLK_OUT1/USB_D+
GPIO19/U1RTS/ADC2_CH8/CLK_OUT2/USB_D-
LCD_D6
LCD_D7
I2C_SDA
I2C_SCL
SDMMC_CS
SDMMC_MOSI
MTCK/GPIO39/CLK_OUT3/SUBSPICS1
MTDO/GPIO40/CLK_OUT2
MTDI/GPIO41/CLK_OUT1
MTMS/GPIO42
GPIO0/BOOT
GPIO1/TOUCH1/ADC1_CH0
GPIO2/TOUCH2/ADC1_CH1
GPIO3/TOUCH3/ADC1_CH2
GPIO4/TOUCH4/ADC1_CH3
GPIO5/TOUCH5/ADC1_CH4
GPIO6/TOUCH6/ADC1_CH5
GPIO7/TOUCH7/ADC1_CH6
GPIO8/TOUCH8/ADC1_CH7/SUBSPICS1
GPIO9/TOUCH9/ADC1_CH8/FSPIHD/SUBSPIHD
GPIO10/TOUCH10/ADC1_CH9/FSPICS0/FSPIIO4/SUBSPICS0
GPIO11/TOUCH11/ADC2_CH0/FSPID/FSPIIO5/SUBSPID
GPIO12/TOUCH12/ADC2_CH1/FSPICLK/FSPIIO6/SUBSPICLK
GPIO13/TOUCH13/ADC2_CH2/FSPIQ/FSPIIO7/SUBSPIQ
GPIO14/TOUCH14/ADC2_CH3/FSPIWP/FSPIDQS/SUBSPIWP
GPIO17/U1TXD/ADC2_CH6
GPIO18/U1RXD/ADC2_CH7/CLK_OUT3
GPIO21
GPIO38/FSPIWP/SUBSPIWP
GPIO45
GPIO46
GPIO47/SPICLK_P/SUBSPICLK_P_DIFF
GPIO48/SPICLK_N/SUBSPICLK_N_DIFF
SPIIO6/GPIO35/FSPID/SUBSPID
SPIIO7/GPIO36/FSPICLK/SUBSPICLK
SPIDQS/GPIO37/FSPIQ/SUBSPIQ
GND
PWR_FLAG
GND
TP11
TestPoint
BACKLIGHT
I2S_BCLK
I2S_WS
I2S_DATA_IN
LCD_CS
LCD_RST
LCD_D15
LCD_D14
LCD_D13
LCD_D8
LCD_D4
LCD_D3
LCD_D2
LCD_D1
LCD_D0
LCD_PCLK
LCD_D10
LCD_D9
LCD_DC
IO0
SDMMC_MISO
SDMMC_CLK
LCD_D5
Power Supply
Fichier: power-supply.kicad_sch
UART
EN
IO0
RXD
TXD
Fichier: uart.kicad_sch
LCD screen
BACKLIGHT
LCD_RST
LCD_CS
LCD_DC
LCD_PCLK
RST
CS
DC
WR
RD
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
DATA8
DATA9
DATA10
DATA11
DATA12
DATA13
DATA14
DATA15
Fichier: lcd.kicad_sch
SD card
SDMMC_CLK
SDMMC_MISO
SDMMC_MOSI
SDMMC_CS
CLK
MISO
MOSI
CS
Fichier: sd.kicad_sch
Close to ESP32
+3V3
J5
Conn_01x08_MountingPin
I2C_SCL
I2C_SDA
I2S_DATA_IN
I2S_BCLK
I2S_WS
GND
Snappable PCB
+3.3VDAC
J6
Conn_01x08_MountingPin
GND_DAC
Expansion port
SCL
SDA
Fichier: expansion.kicad_sch
I2S
DATA_IN
BCLK
WS
Fichier: sound.kicad_sch
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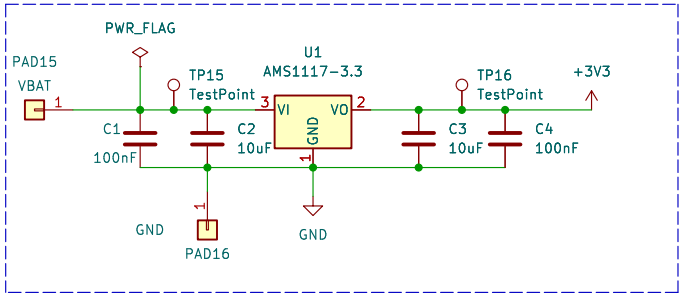
Size: A4
Date: 2024-04-09
Rev:
KiCad E.D.A. 9.0.2
Id: 1/7



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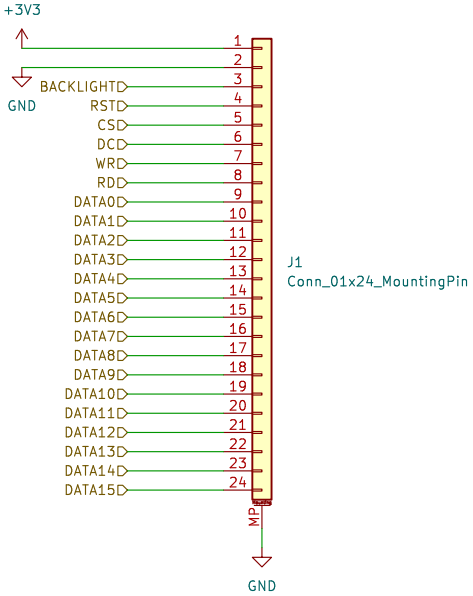
KiCad E.D.A. 9.0.2		Id: 2/7



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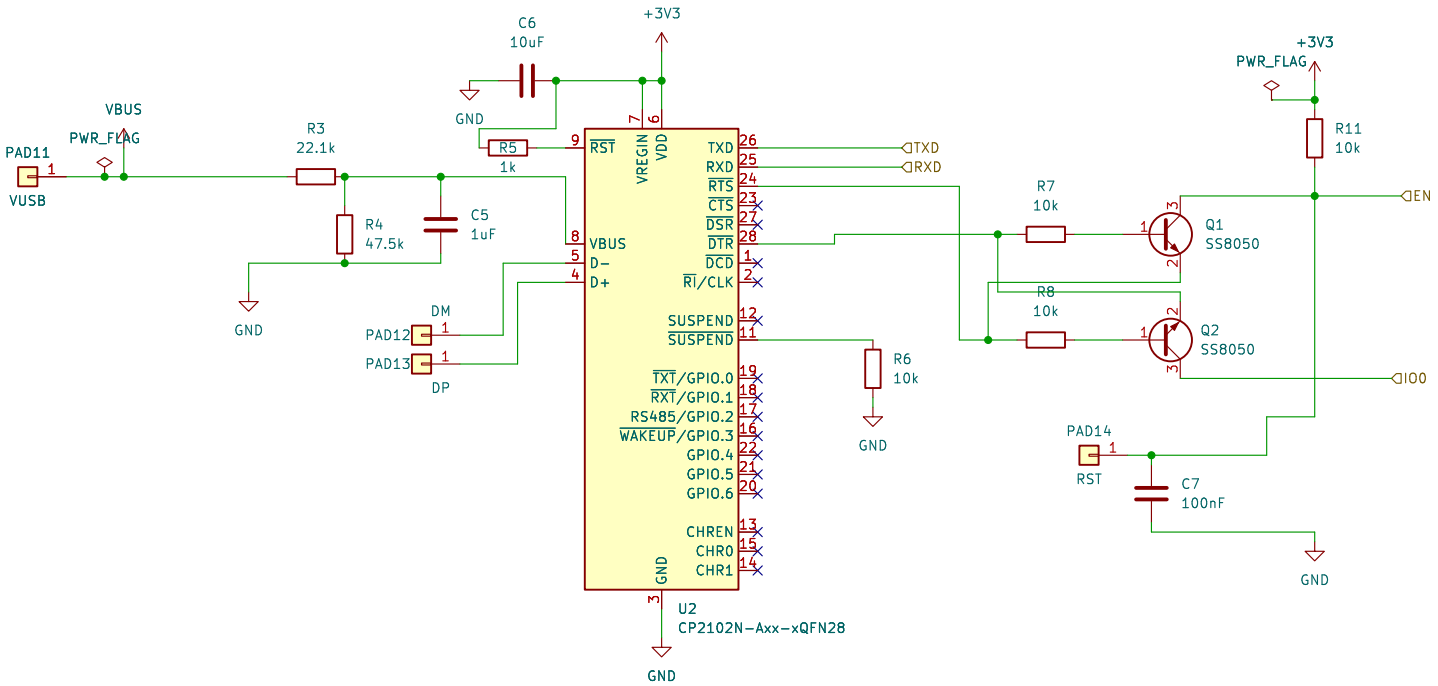
Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 3/7



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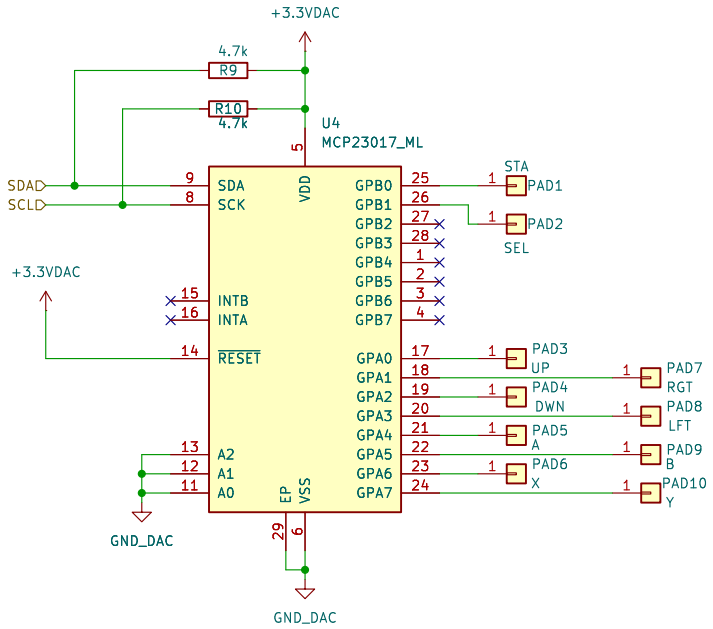
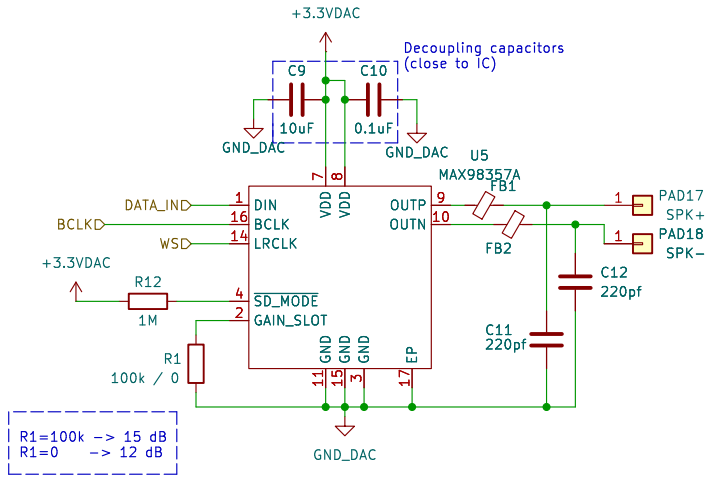
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 4/7



Sheet: /Expansion port/		
File: expansion.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 5/7



Sheet: /I2S/		
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Title:		
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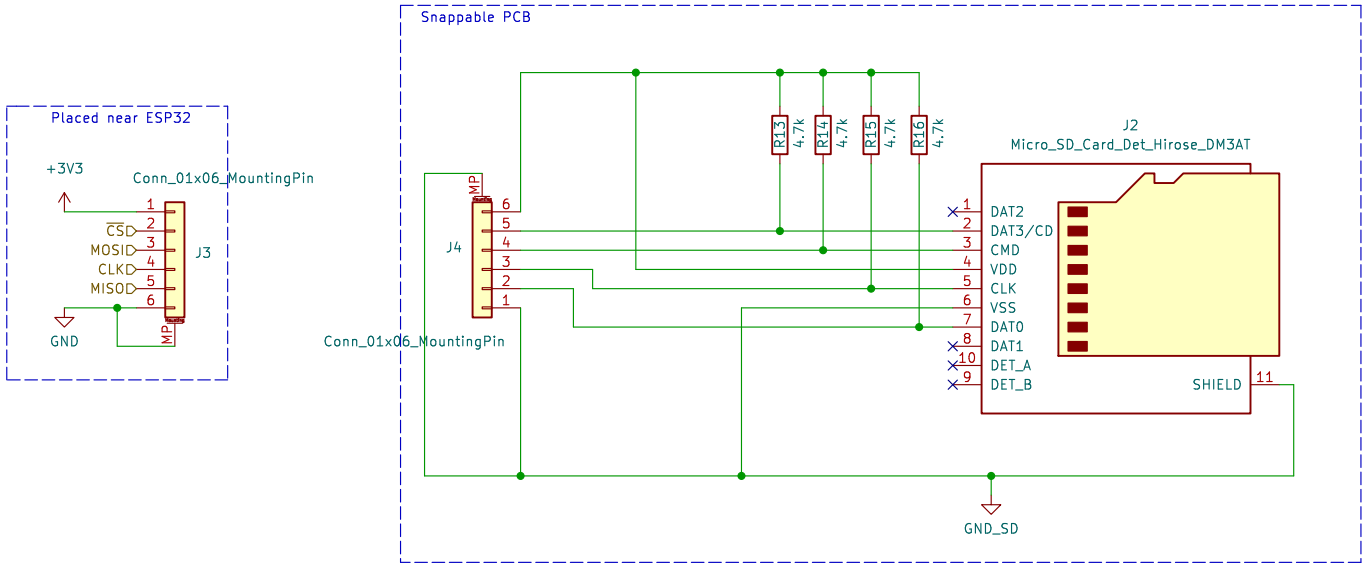
KiCad E.D.A. 9.0.2		Id: 6/7



Sheet: /SD card/		
File: sd.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 7/7