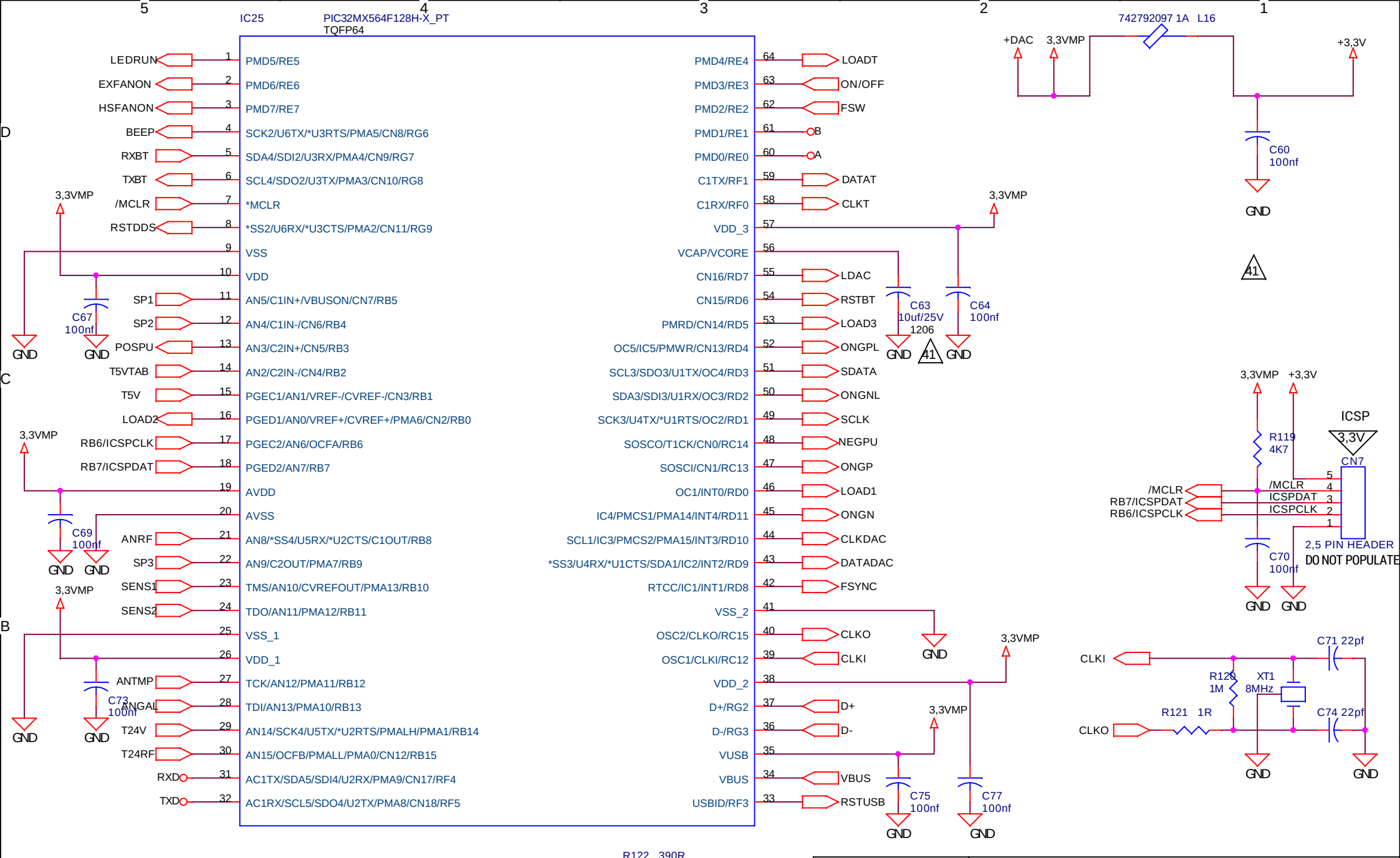
IC25
PIC32MX564F128H-X_PT
TQFP64
LEDRUN 1 PMD5/RE5
EXFANON 2 PMD6/RE6
HSFANON 3 PMD7/RE7
BEEP 4 SCK2/U6TX/*U3RTS/PMA5/CN8/RG6
RXBT 5 SDA4/SDI2/U3RX/PMA4/CN9/RG7
TXBT 6 SCL4/SDO2/U3TX/PMA3/CN10/RG8
/MCLR 7 *MCLR
RSTDDS 8 *SS2/U6RX/*U3CTS/PMA2/CN11/RG9
9 VSS
10 VDD
SP1 11 AN5/C1IN+/VBUSON/CN7/RB5
SP2 12 AN4/C1IN-/CN6/RB4
POSPU 13 AN3/C2IN+/CN5/RB3
T5VTAB 14 AN2/C2IN-/CN4/RB2
T5V 15 PGEC1/AN1/VREF-/CVREF-/CN3/RB1
LOAD2 16 PGED1/AN0/VREF+/CVREF+/PMA6/CN2/RB0
RB6/ICSPCLK 17 PGEC2/AN6/OCFA/RB6
RB7/ICSPDAT 18 PGED2/AN7/RB7
19 AVDD
20 AVSS
ANRF 21 AN8/*SS4/U5RX/*U2CTS/C1OUT/RB8
SP3 22 AN9/C2OUT/PMA7/RB9
SENS1 23 TMS/AN10/CVREFOUT/PMA13/RB10
SENS2 24 TDO/AN11/PMA12/RB11
25 VSS_1
26 VDD_1
ANTMP 27 TCK/AN12/PMA11/RB12
ANGAIL 28 TDI/AN13/PMA10/RB13
T24V 29 AN14/SCK4/U5TX/*U2RTS/PMALH/PMA1/RB14
T24RF 30 AN15/OCFB/PMALL/PMA0/CN12/RB15
RXD 31 AC1TX/SDA5/SDI4/U2RX/PMA9/CN17/RF4
TXD 32 AC1RX/SCL5/SDO4/U2TX/PMA8/CN18/RF5
PMD4/RE4 64 LOADT
PMD3/RE3 63 ON/OFF
PMD2/RE2 62 FSW
PMD1/RE1 61 B
PMD0/RE0 60 A
C1TX/RF1 59 DATAT
C1RX/RF0 58 CLKT
VDD_3 57
VCAP/VCORE 56
CN16/RD7 55 LDAC
CN15/RD6 54 RSTBT
PMRD/CN14/RD5 53 LOAD3
OC5/IC5/PMWR/CN13/RD4 52 ONGPL
SCL3/SDO3/U1TX/OC4/RD3 51 SDATA
SDA3/SDI3/U1RX/OC3/RD2 50 ONGNL
SCK3/U4TX/*U1RTS/OC2/RD1 49 SCLK
SOSCO/T1CK/CN0/RC14 48 NEGPU
SOSCI/CN1/RC13 47 ONGP
OC1/INT0/RD0 46 LOAD1
IC4/PMCS1/PMA14/INT4/RD11 45 ONGN
SCL1/IC3/PMCS2/PMA15/INT3/RD10 44 CLKDAC
*SS3/U4RX/*U1CTS/SDA1/IC2/INT2/RD9 43 DATADAC
RTCC/IC1/INT1/RD8 42 FSYNC
VSS_2 41
OSC2/CLKO/RC15 40 CLKO
OSC1/CLKI/RC12 39 CLKI
VDD_2 38
D+/RG2 37 D+
D-/RG3 36 D-
VUSB 35
VBUS 34 VBUS
USBID/RF3 33 RSTUSB
742792097 1A L16
+DAC
3,3VMP
+3,3V
C60 100nf
GND
3,3VMP
C63 10uf/25V 1206
C64 100nf
C67 100nf
C69 100nf
C73 100nf
C75 100nf
C77 100nf
R119 4K7
ICSP
3,3V
CN7
/MCLR
RB7/ICSPDAT
RB6/ICSPCLK
ICSPDAT
ICSPCLK
2,5 PIN HEADER
DO NOT POPULATE
C70 100nf
CLKI
CLKO
R120 1M
XT1 8MHz
R121 1R
C71 22pf
C74 22pf
LEDRUN
R122 390R
D23 LG-150G-CT
61 1206 EIA code Footprint Ceramic Capacitor.
1206/0805 EIA code Footprint unless otherwise indicated
A MESOTREAT
08
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08 - CPU Mesotreat
SCH version
SCH0044001
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9 of 15
PCB model
PCB0044001
Project / Product
PJT0028 - MESOTREAT
Date: Wednesday, August 16, 2017
Drawed by Rafael Vilella