PIC
PIC32MX795F512L-X_PF

V3.3 R1 MCLR 13 MCLR
1K

69 SS1/IC2/RD9
40 AC1RX/*SS3A/U3BRX/*U3ACTS/RF12
39 AC1TX/SCK3A/U3BTX/*U3ARTS/RF13
18 AERXD0/INT1/RE8
19 AERXD1/INT2/RE9
1 AERXERR/RG15
66 AETXCLK/SCL1/INT3/RA14
47 AETXD0/*SS1A/U1BRX/*U1ACTS/CN20/RD14
48 AETXD1/SCK1A/U1BTX/*U1ARTS/CN21/RD15
67 AETXEN/SDA1/INT4/RA15
34 AN10/CVREFOUT/PMA13/RB10
35 AN11/ERXERR/AETXERR/PMA12/RB11
41 AN12/ERXD0/AECRS/PMA11/RB12
42 AN13/ERXD1/AECOL/PMA10/RB13
43 AN14/ERXD2/AETXD3/PMALH/PMA1/RB14
44 AN15/ERXD3/AETXD2/OCFB/PMALL/PMA0/CN12/RB15
23 AN2/C2IN-/CN4/RB2
22 AN3/C2IN+/CN5/RB3
21 AN4/C1IN-/CN6/RB4
20 AN5/C1IN+/VBUSON/CN7/RB5
32 AN8/C1OUT/RB8
33 AN9/C2OUT/RB9
72 SDO1/OC1/INT0/RD0
73 SOSCI/CN1/RC13
74 SOSCO/T1CK/CN0/RC14
6 T2CK/RC1
7 T3CK/RC2
8 T4CK/RC3
9 T5CK/SDI1/RC4
38 TCK/RA1
60 TDI/RA4
61 TDO/RA5
17 TMS/RA0
91 TRCLK/RA6
97 TRD0/RG13
96 TRD1/RG12
95 TRD2/RG14
92 TRD3/RA7
51 USBID/RF3

VBUS 54 /BUS

C3 85 /CAP/VDDCORE
10uF 30 AVDD
2 VDD_2
16 VDD_3
37 VDD_4
46 VDD_5
62 VDD_6
86 VDD
GND
V3.3 55 /USB

C1RX/ETXD1/PMD11/RF0 87
C1TX/ETXD0/PMD10/RF1 88
C2RX/PMD8/RG0 90
C2TX/ETXERR/PMD9/RG1 89
D-/RG3 56 D-
D+/RG2 57 D+
GND
ECOL/SCK2A/U2BTX/*U2ARTS/PMA5/CN8/RG6 10 VBUS
ECRS/SDA2A/SDI2A/U2ARX/PMA4/CN9/RG7 11
EMDC/IC4/PMCS1/PMA14/RD11 71
ERXCLK/*SS2A/U2BRX/*U2ACTS/PMA2/CN11/RG9 14
ERXDV/SCL2A/SDO2A/U2ATX/PMA3/CN10/RG8 12
ETXCLK/PMD15/CN16/RD7 84
ETXD2/IC5/PMD12/RD12 79
ETXD3/PMD13/CN19/RD13 80
ETXEN/PMD14/CN15/RD6 83
OC2/RD1 76
OC3/RD2 77
OC4/RD3 78
OC5/PMWR/CN13/RD4 81
OSC1/CLKI/RC12 63
OSC2/CLKO/RC15 64
PGEC1/AN1/CN3/RB1 24
PGEC2/AN6/OCFA/RB6 26
PGED1/AN0/CN2/RB0 25
PGED2/AN7/RB7 27
PMD0/RE0 93
PMD1/RE1 94
PMD2/RE2 98
PMD3/RE3 99
PMD4/RE4 100
PMD5/RE5 3
PMD6/RE6 4
PMD7/RE7 5
PMRD/CN14/RD5 82
RTCC/EMDIO/IC1/RD8 68
SCK1/IC3/PMCS2/PMA15/RD10 70
SCL1A/SDO1A/U1ATX/RF8 53
SCL2/RA2 58
SCL3A/SDO3A/U3ATX/PMA8/CN18/RF5 50
SDA1A/SDI1A/U1ARX/RF2 52
SDA2/RA3 59
SDA3A/SDI3A/U3ARX/PMA9/CN17/RF4 49
VREF-/CVREF-/AERXD2/PMA7/RA9 28
VREF+/CVREF+/AERXD3/PMA6/RA10 29

AVSS 31
VSS_2 15
VSS_3 36
VSS_4 45
VSS_5 65
VSS 75
GND

V_REG_MIC2920
3.3_REG
GND GND
V3.3 OUT IN VBUS
USB

1K V3.3
R2

C1 C2
33pF 33pF GND
Y1
8.00MHz

S1
BIG RED BUTTON
GND

MCLR 1
V3.3 2
GND 3
PGD 4
PGC 5
6
JP1