TARGET MCU

+3.3V_TGT

C1
10uF

C2
100nF

Target Microcontroller - Multitech xDOT

U1

RFU1

+3.3V_TGT

R6   0

RFU2
RFU3
RFU4
SPI_NSS
SPI_SCK
SPI_MOSI
SPI_MISO
UART1_TX
UART1_RX
TGT_TX
TGT_RX

RFU5
RFU6

RFU7
RFU8
GPIO3
GPIO2
GPIO1
GPIO0
I2C0_SCL
I2C0_SDA
TGT_SWCLK

Left pins	Right pins
GND(0)	SWDIO
RFU1	UART1_RTS
VDD(0)	UART1_CTS
VDD(1)	NRESET
GND(1)	WAKE
RFU2	GND(4)
RFU3	GND(5)
RFU4	ANT1
SPI_NSS	GND(6)
SPI_SCK	GND(7)
SPI_MOSI	GND(8)
SPI_MISO	GND(9)
UART1_TX	GND(10)
UART1_RX	GND(11)
UART0_TX	GND(12)
UART0_RX	GND(13)
GND(2)	GND(14)
RFU5	ANT2
RFU6	GND(15)
GND(3)	GND(16)
RFU7	GND(17)
RFU8	GND(18)
GPIO3	GND(19)
GPIO2	GND(20)
GPIO1	GND(21)
GPIO0	GND(22)
I2C0_SCL	GND(23)
I2C0_SDA	GND(24)
SWCLK	GND(25)

MTXDOT-EU1-A00-1

TGT_SWDIO
UART1_RTS
UART1_CTS
TGT_NRESET
WAKE

"C6" MATCHING CIRCUIT COMPONENT FOR MINOR TUNING
DEFAULT = 82pF

R1   0   DNP
L1   7.5nH   DNP

C6   82pF

C3   9.1pF

5.6pF
C4

10pF
C5   DNP

ANT1

1
2
3

M620720

C7   6.8pF

"C7" MATCHING CIRCUIT COMPONENT FOR MAJOR TUNING
Default = 6.8pF (800MHz)
Default = 4.7pF (900MHz)

Placement Guidelines:
http://media.digikey.com/pdf/Data%20Sheets/Ethertronics/M620720.pdf