

Interfacing FlashRunner 2.0 with INFINEON XDPL8 devices

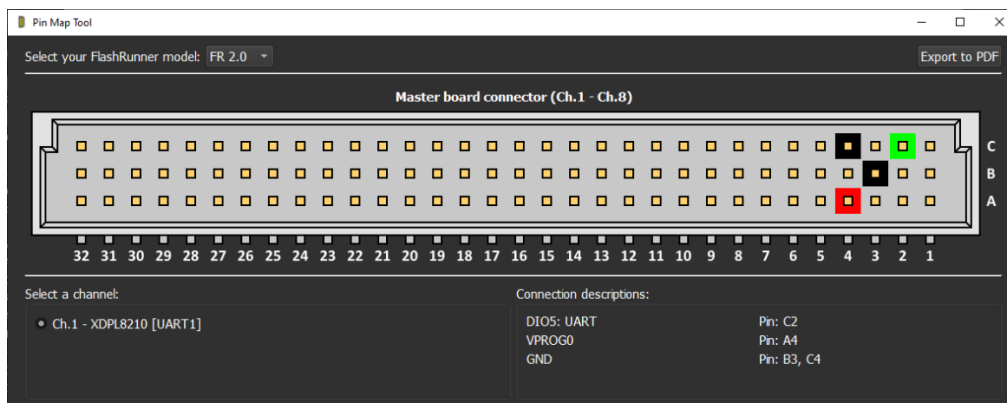
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XDPL8 Protocols and PIN maps

All the XDPL8 devices support the UART protocol.

#TCSETPAR CMODE <UART>

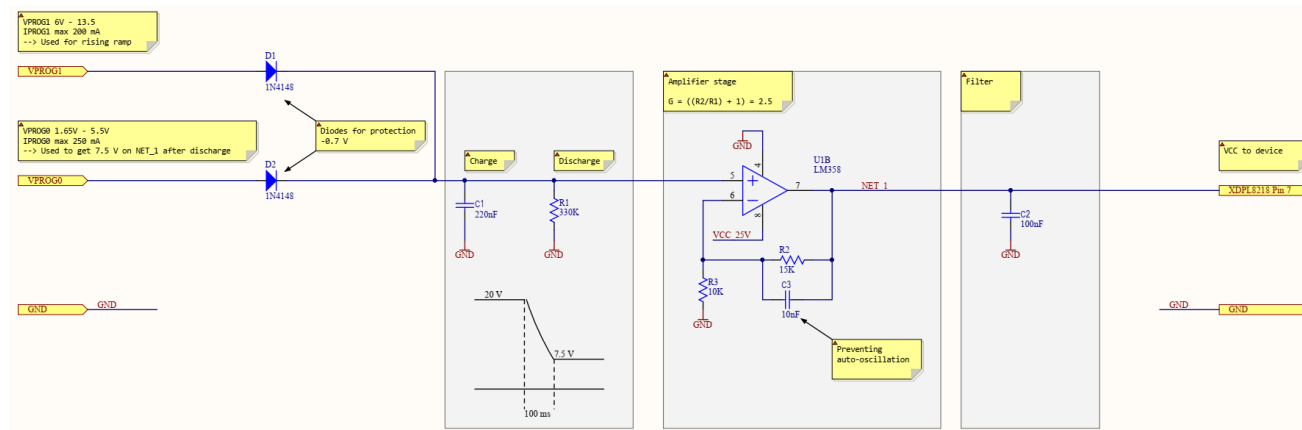
UART Pin Map



External Hardware

External hardware is required for these devices. A detailed schematic with the connections is given.

Schematic detail



Connections for XDPL8

FlashRunner Pin Name	MCU Signal Name	Amplifier Pinout
DIO 5	UART	-
-	VCC	Pin 7
VPROG0 - 3.3V	-	Pin 5
VPRGOG1 - 10.5V	-	Pin 5
GND	Ground	Pin 6

External Power Supply

External Power Supply	Amplifier Pinout
+25 V	Pin 8
Ground	Pin 4

UNIVERSAL PRODUCTION IN-SYSTEM PROGRAMMING

XDPL8 Available Commands

XDPL8 Devices

MEMORY	MASSERASE	ERASE PAGE	BLANKCHECK	PROGRAM	VERIFY READOUT	VERIFY CHECKSUM	READ	DUMP
Flash [F]				✓	✓		✓	✓

XDPL8 Additional Commands

Commands for Flash memory:

[#TPCMD FREE_PATCHES](#)

XDPL8 Driver Commands

XDPL8 Standard Commands

Here you can find the complete list of all available commands for XDPL8 driver.

Memory type:

0 → OTP

#TPCMD CONNECT

#TPCMD CONNECT

This function performs the entry and is the first command to be executed when starting the communication with the device.

#TPCMD PROGRAM

#TPCMD PROGRAM <O>

Program is available for OTP memory.

Programs all memory of the selected type based on the data in the FRB file.

#TPCMD VERIFY

#TPCMD VERIFY <O> <R>

R: Readout Mode.

Verify Readout is available for OTP memory.

Verify all memory of the selected type based on the data in the FRB file.

#TPCMD READ

#TPCMD READ <O>

Read all memory of selected type.

The result of the read command will be visible into the Terminal.

#TPCMD READ <O> <start address> <size>

Read selected part of memory of the selected type.

The result of the read command will be visible into the Terminal.

#TPCMD DUMP

#TPCMD DUMP <O>

Dump all memory of selected type.

The result of the dump command will be stored in the FlashRunner 2.0 internal memory.

#TPCMD DUMP <O> <start address> <size>

Dump selected part of memory of the selected type.

The result of the dump command will be stored in the FlashRunner 2.0 internal memory.

#TPCMD DISCONNECT

#TPCMD DISCONNECT

Disconnect function. Power off and exit.

XDPL8 Additional Commands

#TPCMD FREE_PATCHES

#TPCMD FREE_PATCHES

This function prints out the available patches on the device.