

# Memory to memory

## 1.Operation Summary

Data received from terminal software is transferred from memory to memory using HDMAC.  
The transferred data is output to the terminal software on PC via the UART.

## 2.Board setting

Connect the terminal on the evaluation board as follows  
CN5 1-2 3-4

## 3. Setting

<u>HDMAC ch</u>	: HDMAC 0CH
<u>UART ch</u>	: UART CH0
<u>UART Port for Use</u>	: TX Port E2
	: RX Port E3

<u>Serial Port Setting</u>	
Baud Rate	: 115200(bps)
Data	: 8(bit)
Parity	: none
Stop Bit	: 1(bit)
Flow Control	: none

#### 4. Basic Operation

memory to memory

##### ① Initial Display

Request user input by the "Input = " prompt.

Tera Term display example


A blue rectangular terminal window with rounded corners. Inside, the text "Input =" is displayed in a white monospaced font.

Input =

##### ② Character Input

User will input characters and then press 'Enter' key.

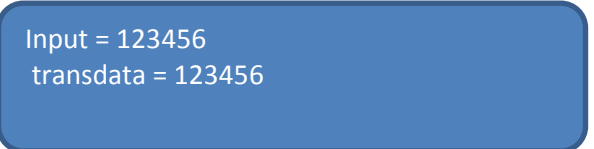
Tera Term display example

A blue rectangular terminal window with rounded corners. Inside, the text "Input = 123456" is displayed in a white monospaced font.

Input = 123456

##### ③ Display the transferred data

DMA transfers the input character string, and the transferred character data is displayed following "transdata =" display.

A blue rectangular terminal window with rounded corners. Inside, two lines of text are displayed in a white monospaced font: "Input = 123456" on the first line and "transdata = 123456" on the second line.

Input = 123456  
transdata = 123456