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This program is a bank switching example that shows how you can

run (simulate) code executing in up to 8 code banks for

Maxim(Teridian) devices.

0xFFFF +----------+ +----------+ +----------+ +----------+ +----------+ +----------+ +----------+

| | | | | | | | | | | | | |

| | | | | | | | | | | | | |

| BANK0 | | BANK1 | | BANK2 | | BANK3 | | BANK4 | | BANK5 | | BANK6 |

| | | | | | | | | | | | | |

| | | | | | | | | | | | | |

| | | | | | | | | | | | | |

0x8000 +----------+ +----------+ +----------+ +----------+ +----------+ +----------+ +----------+

0x7FFF +----------+

| |

| |

| COMMON |

| |

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| |

0x0000 +----------+

Description:

They are 6 function calls in main (located inside the common bank).

Function: func0 is located in bank0 and calls the function func6() in bank6.

Function: func1 is located in bank1 and calls the function func6() in bank6.

Function: func2 is located in bank2 and calls the function func6() in bank6.

Function: func3 is located in bank3 and calls the function func6() in bank6.

Function: func4 is located in bank4 and calls the function func6() in bank6.

Function: func5 is located in bank5 and calls the function func6() in bank6.

Function callgraph:

main

|

+----> func0 /\* Located in bank0 \*/

| |

| +----> func6 /\* Located in bank6 \*/

|

|

+----> func1 /\* Located in bank1 \*/

| |

| +----> func6 /\* Located in bank6 \*/

|

|

+----> func2 /\* Located in bank2 \*/

| |

| +----> func6 /\* Located in bank6 \*/

|

|

+----> func3 /\* Located in bank3 \*/

| |

| +----> func6 /\* Located in bank6 \*/

|

|

+----> func4 /\* Located in bank4 \*/

| |

| +----> func6 /\* Located in bank6 \*/

|

|

+----> func5 /\* Located in bank5 \*/

|

+----> func6 /\* Located in bank6 \*/

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