

FC1 - <offline>

"FLANKE_D" Edge detection for double word

Name: FLANKE_D Family: LOGIC

Author: ARaappel Version: 1.0

Block version: 2

Time stamp Code: 01.06.2002 13:04:52

Interface: 01.05.2002 16:22:12

Lengths (block/logic/data): 00142 00042 00000

Address	Declaration	Name	Type	Initial value	Comment
0.0	in	IN	DWORD		DW to detect
4.0	out	Pos_Fla	DWORD		pos. edge
8.0	out	Neg_Fla	DWORD		neg. edge
12.0	in_out	HM	DWORD		auxiliary marker double word
	temp				

Block: FC1 Edge detection for double word (comment!)

This function may be passed on free of charge! There's no claim to support and possible damage compensations.

--- you find more functions under www.sps-concept.de ---

Visit us! Haven't you found a solution for your problem? Contact us ...

Best regards

André Rappél

Network: 1 work

```
##### generate pos. edge #####
```

```
L #HM // auxiliary marker double word
INVD // generate complement to one
L #IN // input double word
UD // filtering new high-bits
T #Pos_Fla // double word - pos. edge to output
```

```
##### generate neg. edge #####
```

```
L #IN // input double word
INVD // generate complement to one
L #HM // auxiliary marker double word
UD // filtering new low-bits
T #Neg_Fla // double word - neg. edge to output
```

```
##### store IN #####
```

```
L #IN // storing current condition
T #HM // to auxiliary marker double word
```