

MAR 26 1984

DM8E-40 Memory Management Unit

FUNCTIONAL DESCRIPTION

Physical Field (PF)

This register contains the physical field number that appears on the EMA lines.

Relocation Memory

The field relocation map is stored in this 8-word memory.

Interrupt-inhibit Flip Flop

This FF is set whenever the IB is loaded, and cleared as soon as the IB is transferred to the IF. This prevents the loss of the new field setting by an interrupt (which saves only the DF and IF, not the IB).

DF Enable Flip Flop

This FF is set during the execute cycle of an indirectly-addressed AND, TAD, ISZ or DCA instruction. It gates the (virtual) data field onto the EMA lines.

MM Enable Flip Flop

This FF enables the un-trap and relocation functions if the UF is set.

User Interrupt Flag

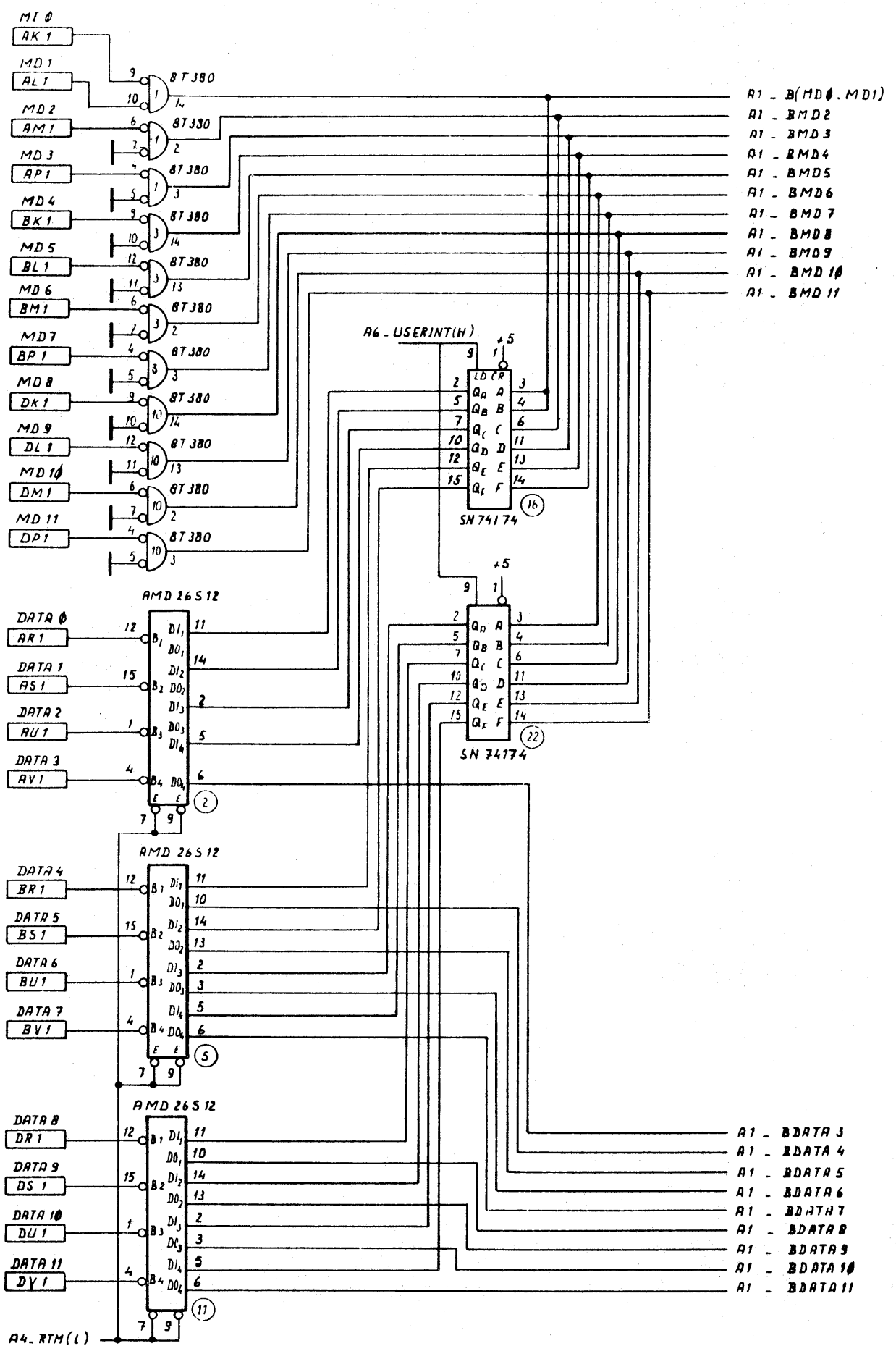
This flag is set whenever an instruction is trapped in User Mode. It may be tested by SINT and cleared by CINT following the interrupt.

Un-trap Flip Flop

This FF is set when an IOT instruction in User Mode is to be un-trapped.

Un-trap memory

This memory stores the trap conditions for each of the 64 possible I/O 'devices' (with the exceptions noted above).



DM8E40 MEMORY MANAGEMENT
BUS BUFFERS

WESTVRIES COMPUTER CONSULTING B.V.

