

The Playfield Address Selector controls the access to the playfield memory. It allows either the game MPU or the sync generator to scan the playfield memory. The Playfield Address Selector consists of multiplexers M3, and M5 and gates J6 and N9.

When 4H on pin 1 of M3 and M5 is low and pin 15 on M5 is low, the Playfield Address Selector receives 8H, 16H, 32H, and 64H on M3 and 16V, 32V, 64V, and 128V on M5 from the sync generator. These signals enable the sync generator circuits to access the playfield memory.

When 4H goes high the game MPU addresses the playfield memory (via AB0-AB9) for the positioning of the graphics. During horizontal blanking (pin 15 of M5 is high) the outputs of M5 (PFA4-PFA7) are held high enabling the motion object circuitry to access the playfield memory for the motion objects to be displayed.

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Sheet 2, Side A

WARLORDS™

Playfield Address Selector
Playfield Memory
Playfield Multiplexer
Picture Data ROM Circuitry
Motion Object Circuitry

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