Tetris - Controller Tag Listing   **Page 1**
Tetris (Controller)   12/06/2025 07:22:00
C:\Users\admin\Desktop\Projeto Studio5000\Tetris.ACD

Name	Value	Data Type	Scope
Background_Color_Matrix		SINT[12,8]	Tetris
Constant	No		
External Access:	Read/Write		
Background_Color_Matrix[0,0]	0	SINT	
Background_Matrix		SINT[12,8]	Tetris
Constant	No		
External Access:	Read/Write		
Background_Matrix[1,0]	0	SINT	
Background_Matrix[1,1]	0	SINT	
Background_Matrix[1,2]	0	SINT	
Background_Matrix[1,3]	0	SINT	
Background_Matrix[1,4]	0	SINT	
Background_Matrix[1,5]	0	SINT	
Background_Matrix[1,6]	0	SINT	
Background_Matrix[1,7]	0	SINT	
Background_Matrix[2,0]	0	SINT	
Background_Matrix[2,1]	0	SINT	
Background_Matrix[2,2]	0	SINT	
Background_Matrix[2,3]	0	SINT	
Background_Matrix[2,4]	0	SINT	
Background_Matrix[2,5]	0	SINT	
Background_Matrix[2,6]	0	SINT	
Background_Matrix[2,7]	0	SINT	
Background_Matrix[3,0]	0	SINT	
Background_Matrix[3,1]	0	SINT	
Background_Matrix[3,2]	0	SINT	
Background_Matrix[3,3]	0	SINT	
Background_Matrix[3,4]	0	SINT	
Background_Matrix[3,5]	0	SINT	
Background_Matrix[3,6]	0	SINT	
Background_Matrix[3,7]	0	SINT	
Background_Matrix[4,0]	0	SINT	
Background_Matrix[4,1]	0	SINT	
Background_Matrix[4,2]	0	SINT	
Background_Matrix[4,3]	0	SINT	
Background_Matrix[4,4]	0	SINT	
Background_Matrix[4,5]	0	SINT	
Background_Matrix[4,6]	0	SINT	
Background_Matrix[4,7]	0	SINT	
Background_Matrix[5,0]	0	SINT	
Background_Matrix[5,1]	0	SINT	
Background_Matrix[5,2]	0	SINT	
Background_Matrix[5,3]	1	SINT	
Background_Matrix[5,4]	0	SINT	
Background_Matrix[5,5]	0	SINT	
Background_Matrix[5,6]	0	SINT	
Background_Matrix[5,7]	0	SINT	
Background_Matrix[6,0]	0	SINT	
Background_Matrix[6,1]	0	SINT	
Background_Matrix[6,2]	0	SINT	
Background_Matrix[6,3]	1	SINT	
Background_Matrix[6,4]	0	SINT	
Background_Matrix[6,5]	0	SINT	
Background_Matrix[6,6]	0	SINT	
Background_Matrix[6,7]	0	SINT	
Background_Matrix[7,0]	0	SINT	
Background_Matrix[7,1]	0	SINT	
Background_Matrix[7,2]	0	SINT	
Background_Matrix[7,3]	1	SINT	
Background_Matrix[7,4]	0	SINT	
Background_Matrix[7,5]	0	DINT	
Background_Matrix[7,6]	0	SINT	
Background_Matrix[7,7]	0	SINT	
Background_Matrix[8,0]	0	SINT	
Background_Matrix[8,1]	0	SINT	
Background_Matrix[8,2]	0	SINT	
Background_Matrix[8,3]	1	SINT	

Tetris - Controller Tag Listing   **Page 2**
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Background_Matrix (Continued)

Tag	Value	Type	Scope
Background_Matrix[8,4]	0	SINT	
Background_Matrix[8,5]	0	SINT	
Background_Matrix[8,6]	0	SINT	
Background_Matrix[8,7]	0	SINT	
Background_Matrix[9,0]	0	SINT	
Background_Matrix[9,1]	0	SINT	
Background_Matrix[9,2]	0	SINT	
Background_Matrix[9,3]	0	SINT	
Background_Matrix[9,4]	0	SINT	
Background_Matrix[9,5]	0	SINT	
Background_Matrix[9,6]	0	SINT	
Background_Matrix[9,7]	0	SINT	
Background_Matrix[10,0]	0	SINT	
Background_Matrix[10,1]	0	SINT	
Background_Matrix[10,2]	0	SINT	
Background_Matrix[10,3]	0	SINT	
Background_Matrix[10,4]	1	SINT	
Background_Matrix[10,5]	1	SINT	
Background_Matrix[10,6]	1	SINT	
Background_Matrix[10,7]	1	SINT	
Background_Matrix[11,0]	0	SINT	
Background_Matrix[11,1]	0	SINT	
Background_Matrix[11,2]	0	SINT	
Background_Matrix[11,3]	0	SINT	
Background_Matrix[11,4]	1	SINT	
Background_Matrix[11,5]	1	SINT	
Background_Matrix[11,6]	1	SINT	
Background_Matrix[11,7]	1	SINT	

Background_Saved_Color_Matrix
    SINT[12,8]   Tetris
    Constant   No
    External Access: Read/Write

Clear_Color_Matrix
    SINT[12,8]   Tetris
    Constant   No
    External Access: Read/Write

Clear_Matrix
    SINT[12,8]   Tetris
    Constant   No
    External Access: Read/Write

Clear_Row_For_Index   0   DINT   Tetris
    Constant   No
    External Access: Read/Write

Clock_Enable   1   BOOL   Tetris
    Constant   No
    External Access: Read/Write

Current_Piece_X_Size   1   DINT   Tetris
    Constant   No
    External Access: Read/Write

Current_Piece_Y_Size   4   DINT   Tetris
    Constant   No
    External Access: Read/Write

Current_X   3   SINT   Tetris
    Constant   No
    External Access: Read/Write

Current_Y   5   SINT   Tetris
    Constant   No
    External Access: Read/Write

Current_Y_Limit   8   DINT   Tetris
    Constant   No
    External Access: Read/Write

GSV_DateTime
    DINT[7]   Tetris
    Constant   No
    External Access: Read/Write
    GSV_DateTime[0]   2025   DINT
    GSV_DateTime[6]   833012   DINT

Input_Piece   4   SINT   Tetris
    Constant   No
    External Access: Read/Write

Master_Clear	0	BOOL	Tetris
Constant	No		
External Access:	Read/Write		
Next_Row_Check		SINT[8]	Tetris
Constant	No		
External Access:	Read/Write		
Next_Row_Check[0]	0	SINT	
Next_Row_Check[1]	0	SINT	
Next_Row_Check[2]	0	SINT	
Next_Row_Check[3]	0	SINT	
ONS_Clock	1	BOOL	Tetris
Constant	No		
External Access:	Read/Write		
ONS_Left	0	BOOL	Tetris
Constant	No		
External Access:	Read/Write		
ONS_Right	0	BOOL	Tetris
Constant	No		
External Access:	Read/Write		
ONS_Rotate	0	BOOL	Tetris
Constant	No		
External Access:	Read/Write		
ONS_Score		BOOL[32]	Tetris
Constant	No		
External Access:	Read/Write		
ONS_Score[0]	0	BOOL	
ONS_Score[1]	0	BOOL	
ONS_Score[2]	0	BOOL	
ONS_Score[3]	0	BOOL	
ONS_Score[4]	0	BOOL	
ONS_Score[5]	0	BOOL	
ONS_Score[6]	0	BOOL	
ONS_Score[7]	0	BOOL	
ONS_Score[8]	0	BOOL	
ONS_Score[9]	0	BOOL	
ONS_Score[10]	0	BOOL	
ONS_Start	0	BOOL	Tetris
Constant	No		
External Access:	Read/Write		
Piece_1_Matrix_R0		SINT[2,3]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_1_Matrix_R1		SINT[3,2]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_1_Matrix_R2		SINT[2,3]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_1_Matrix_R3		SINT[3,2]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_2_Matrix		SINT[2,2]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_3_Matrix_R0		SINT[2,3]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_3_Matrix_R1		SINT[3,2]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_4_Matrix_R0		SINT[4,1]	Tetris
Constant	No		
External Access:	Read/Write		
Piece_4_Matrix_R0[0,0]	1	SINT	
Piece_4_Matrix_R0[1,0]	1	SINT	
Piece_4_Matrix_R0[2,0]	1	SINT	
Piece_4_Matrix_R0[3,0]	1	SINT	
Piece_4_Matrix_R1		SINT[1,4]	Tetris

Piece_4_Matrix_R1 (Continued)
	Constant	No		
	External Access:	Read/Write		
Piece_Color	3		DINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Piece_Mov_Left	0		BOOL	Tetris
	Constant	No		
	External Access:	Read/Write		
Piece_Mov_Right	0		BOOL	Tetris
	Constant	No		
	External Access:	Read/Write		
Piece_Rotate	0		BOOL	Tetris
	Constant	No		
	External Access:	Read/Write		
Piece_Rotation	0		DINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Piece_Type	4		SINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Previous_Color	0		DINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Previous_Color_2	0		DINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Randomized_Next_Piece	0		DINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Saved_Matrix			SINT[12,8]	Tetris
	Constant	No		
	External Access:	Read/Write		
Score	0		DINT	Tetris
	Constant	No		
	External Access:	Read/Write		
Start	0		BOOL	Tetris
	Constant	No		
	External Access:	Read/Write		