

Function name	MGPIOx_vLockedPins	
Arguments	Input	none
	Output	none
Return	none	
description	Locks the prohibited GPIO PINs	

Function name	MGPIOn_vSetPinMode		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		Mode	The mode to apply the pin
	Output	None	
Return	none		
Description	Sets a certain pin's mode on a speific port		

Function name	MGPIOn_vSetPinOutputType		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		OutputType	The output type to apply on the pin
	Output	None	
Return	none		
Description	Sets a certain pin's output type on a speific port		

Function name	MGPIOx_vSetPinOutputSpeed		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		OutputSpeed	The output speed to apply on the pin
	Output	None	
Return	none		
Description	Sets a certain pin's output speed on a speific port		

Function name	MGPIOn_vSetPinInputPullType		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		InputPullType	The input pull type to apply on the pin
	Output	None	
Return	none		
Description	Sets a certain pin's input pull type on a speific port		

Function name	MGPIOx_u8GetPinValue		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
	Output	None	
Return	The current value on the pin		
Description	Gets the value currently on a certain pin		

Function name	MGPIOR_vSetPinValue		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		PinValue	The set value to set on the pin
	Output	None	
Return	none		
Description	Sets a certain pin's output value on a speific port		

Function name	MGPIOR_vSetResetAtomic		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		SetResetPinVa	The reset value to set on the pin
	Output	None	
Return	none		
Description	Sets a certain pin's output value on a speific port		

Function name	MGPIOR_vSetAlternateFunctionON		
Argument	Input	PortID	the port that the pin belongs to
		PinID	The pin to update its mode
		AFID	The alternative function to apply on the pin
	Output	None	
Return	none		
Description	Applies an alternative function on a certain pin		

Function name	MGPIOR_vSetPortConfigLock		
Argument	Input	PortID	the port that the pin belongs to
	Output	None	
Return	none		
Description	Updates a port's configuration lock		

Function name	MGPIOR_vInit		
Argument	Input	PinConfig	The initialization configuration for the GPIO
	Output	None	
Return	none		
Description	Initialize the GPIO with a certain configuration		

Function name	GPIO_vSetNibbleLowValue		
Argument	Input	PortID	The port to out the value on
		PortValue	The value to set on the port
	Output	None	
Return	none		
Description	Sets a certain port's output value		

Function name	MGPIOR_vTogglePinValue		
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Argument	Input	PortID	he port that the pin belongs to
		PinID	The pin to toggle its value
	Output	None	
Return	none		
Description	Toggles a certain's pin's value on a certain port		