|  |  |
| --- | --- |
| **Name:** | Copy\_u8SwPinId |
| **Type:** | u8 |
| **Range:** | {PORT\_u8Pin\_0 : PORT\_u8Pin\_31} |
| **Configuration Type:** | Pre\_compile |
| **Description:** | Specify the pin Id |

|  |  |
| --- | --- |
| **Name:** | Copy\_u8SwPinDir |
| **Type:** | u8 |
| **Range:** | PORT\_u8OUTPUT  PORT\_u8INPUT |
| **Configuration Type:** | Pre\_compile |
| **Description:** | Specify the pin direction |

|  |  |
| --- | --- |
| **Name:** | Copy\_u8SwPinMODE |
| **Type:** | u8 |
| **Range:** | PORT\_u8OUTPUT\_LOW  PORT\_u8OUTPUT\_HIGH  PORT\_u8INPUT\_HIGH\_IMP  PORT\_u8INPUT\_PULL\_UP |
| **Configuration Type:** | Pre\_compile |
| **Description:** | Specify the pin mode |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function name: | Port\_vidInit | | | |
| Arguments: | Input | -- | | -- |
|  |  | -- | | |
|  | Output | -- | | -- |
|  | -- | | |
|  | Input/Output | -- | | |
|  |
| Return | E\_OK | 0 | | |
|  | E\_NOK | 1 | | |
| Description: | Initialize all the SW pins with the initial directions and initial values | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function name: | Port\_vidSetPinDir | | | |
| Arguments: | Input | Copy\_u8SwPinId | | u8 |
|  |  | Specify the pin id | | |
|  | Output | Copy\_u8SwDir | | u8 |
|  | Specify the pin direction | | |
|  | Input/Output | -- | | |
|  |
| Return | E\_OK | 0 | | |
|  | E\_NOK | 1 | | |
| Description: | set the direction of the pin | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function name: | Port\_vidSetPinMode | | | |
| Arguments: | Input | Copy\_u8SwPinId | | u8 |
|  |  | Specify the pin id | | |
|  | Output | Copy\_u8SwPinMode | | u8 |
|  | Specify the pin mode | | |
|  | Input/Output | -- | | |
|  |
| Return | E\_OK | 0 | | |
|  | E\_NOK | 1 | | |
| Description: | Set the pin mode | | | |