# NodeTreeInterfaceSocketMenu(NodeTreeInterfaceSocket)

base classes — `bpy_struct`, `NodeTreeInterfaceItem`, `NodeTreeInterfaceSocket`

**class** bpy.types.**NodeTreeInterfaceSocketMenu(NodeTreeInterfaceSocket)**

Menu socket of a node

**default_value**

Input value used for unconnected socket

**TYPE:**

enum in [], default ''

**draw(context, layout)**

Draw interface socket settings

**PARAMETERS:**

**layout** (`UILayout`, (never None)) – Layout, Layout in the UI

**init_socket(node, socket, data_path)**

Initialize a node socket instance

**PARAMETERS:**

- **node** (`Node`, (never None)) – Node, Node of the socket to initialize
- **socket** (`NodeSocket`, (never None)) – Socket, Socket to initialize
- **data_path** (*string, (never None)*) – Data Path, Path to specialized socket data

**from_socket(node, socket)**

Setup template parameters from an existing socket

**PARAMETERS:**

- **node** (`Node`, (never None)) – Node, Node of the original socket
- **socket** (`NodeSocket`, (never None)) – Socket, Original socket

**classmethod bl_rna_get_subclass(id, default=None)**

**PARAMETERS:**

**id** (*str*) – The RNA type identifier.

**RETURNS:**

The RNA type or default when not found.

**RETURN TYPE:**

`bpy.types.Struct` subclass

**classmethod bl_rna_get_subclass_py(id, default=None)**

**PARAMETERS:**

**id** (*str*) – The RNA type identifier.

**RETURNS:**

The class or default when not found.

**RETURN TYPE:**

type

## Inherited Properties

- bpy_struct.id_data
- NodeTreeInterfaceItem.item_type
- NodeTreeInterfaceItem.parent
- NodeTreeInterfaceItem.position
- NodeTreeInterfaceItem.index
- NodeTreeInterfaceSocket.name
- NodeTreeInterfaceSocket.identifier
- NodeTreeInterfaceSocket.description
- NodeTreeInterfaceSocket.socket_type
- NodeTreeInterfaceSocket.in_out
- NodeTreeInterfaceSocket.hide_value
- NodeTreeInterfaceSocket.hide_in_modifier
- NodeTreeInterfaceSocket.force_non_field
- NodeTreeInterfaceSocket.is_inspect_output
- NodeTreeInterfaceSocket.layer_selection_field
- NodeTreeInterfaceSocket.attribute_domain
- NodeTreeInterfaceSocket.default_attribute_name
- NodeTreeInterfaceSocket.default_input
- NodeTreeInterfaceSocket.bl_socket_idname

## Inherited Functions

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy_struct.get
- bpy_struct.id_properties_clear
- bpy_struct.id_properties_ensure
- bpy_struct.id_properties_ui
- bpy_struct.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- NodeTreeInterfaceItem.bl_rna_get_subclass
- NodeTreeInterfaceItem.bl_rna_get_subclass_py
- NodeTreeInterfaceSocket.draw
- NodeTreeInterfaceSocket.init_socket
- NodeTreeInterfaceSocket.from_socket
- NodeTreeInterfaceSocket.bl_rna_get_subclass
- NodeTreeInterfaceSocket.bl_rna_get_subclass_

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