

### 4.5.3 MCAPI\_SCLCHAN\_SEND\_OPEN\_I

#### NAME

`mcapi_sclchan_send_open_i` – Creates a typed, local representation of a scalar channel.

#### SYNOPSIS

```
#include <mcapi.h>

void mcapi_sclchan_send_open_i(
    MCAPI_OUT mcapi_sclchan_send_hndl_t* send_handle,
    MCAPI_IN mcapi_endpoint_t send_endpoint,
    MCAPI_OUT mcapi_request_t* request,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

#### DESCRIPTION

Opens the send end of a scalar channel. . It also provides synchronization for channel creation between two endpoints. The corresponding calls are required on both sides to synchronize the endpoints. It is a non-blocking function, and the `send_handle` is filled in upon successful completion. No specific ordering of calls between sender and receiver is required since the call is non-blocking. `send_endpoint` is the local endpoint identifier. The call returns a local handle for connected channel. An endpoint with a previously open channel can't be opened until the previous channel is disconnected (implies both sides closed).

#### RETURN VALUE

On success, meaning that both sides of the channel are successfully open, `*mcapi_status` is set to `MCAPI_SUCCESS` if completed and `MCAPI_PENDING` if not yet completed. On error, `*mcapi_status` is set to the appropriate error defined below.

#### ERRORS

<code>MCAPI_ERR_NODE_NOTINIT</code>	The node is not initialized.
<code>MCAPI_ERR_ENDP_INVALID</code>	Argument is not an endpoint descriptor. A remote endpoint is also invalid for this function.
<code>MCAPI_ERR_CHAN_TYPE</code>	Attempt to open a packet channel on an endpoint that has been connected with a different channel type.
<code>MCAPI_ERR_CHAN_DIRECTION</code>	Attempt to open a send handle on a port that was connected as a receiver, or vice versa.