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Info 4

Process Data (PDO)

x Process Data

- ProcessData

The screenshot shows the 'Configurator' software interface. At the top, there are buttons for 'Scan', 'Download', 'Upload', 'Save', 'Load', and 'Close'. Below these are tabs for 'Topology', 'Net Info', 'Slave Info', and 'ProcessData' (which is highlighted with a red box). On the left, a tree view shows a hierarchy of devices, with '[0005h] MADHT1505BA1' selected. The main area is divided into several sections:

- SyncManager:** A table with columns SM, Size, and Type. It lists SM 0 (MBoxOut, Size 256), SM 1 (MBoxIn, Size 256), SM 2 (Outputs, Size 19), and SM 3 (Inputs, Size 25). SM 2 is highlighted in blue.
- PDO List:** A table with columns Index, Size, Name, and SM. It lists various PDO mappings such as 'Receive PDO mapping 1' (Index 0x1600, Size 9) and 'Transmit PDO mapping 3' (Index 0x1A02, Size 25). SM 2 is highlighted in blue.
- PDO Assignment:** A table with checkboxes and columns for Index and Name. The checkbox for 0x1601 is checked.
- PDO Content (0x1A00):** A table with columns Index, Size, Name, and Type. It lists parameters like 'Controlword' (Type UINT) and 'Target position' (Type DINT).

At the bottom, there are 'Index' and 'Addr' buttons, and a checkbox labeled 'Apply AutoAddress To Servo' which is checked and highlighted with an orange box.

- SyncManager “MBoxOut”, “MBoxIn”
- SyncManager

1)

SyncManager

| SM | Size | Type |
|----|------|---------|
| 0 | 256 | MBoxOut |
| 1 | 256 | MBoxIn |
| 2 | 9 | Outputs |
| 3 | 25 | Inputs |

PDO List

| Index | Size | Name | SM |
|--------|------|------------------------|----|
| 0x1600 | 9 | Receive PDO mapping 1 | 2 |
| 0x1601 | 19 | Receive PDO mapping 2 | |
| 0x1602 | 15 | Receive PDO mapping 3 | |
| 0x1603 | 21 | Receive PDO mapping 4 | |
| 0x1A00 | 23 | Transmit PDO mapping 1 | |
| 0x1A01 | 25 | Transmit PDO mapping 2 | 3 |
| 0x1A02 | 25 | Transmit PDO mapping 3 | |
| 0x1A03 | 25 | Transmit PDO mapping 4 | |

PDO Assignment

| | |
|-------------------------------------|--------|
| <input checked="" type="checkbox"/> | 0x1600 |
| <input type="checkbox"/> | 0x1601 |
| <input type="checkbox"/> | 0x1602 |
| <input type="checkbox"/> | 0x1603 |

PDO Content (0x1A00)

| Index | Size | Name | Type |
|-----------|------|----------------------|------|
| 0x6040:00 | 2 | Controlword | UINT |
| 0x6060:00 | 1 | Modes of operation | SINT |
| 0x607A:00 | 4 | Target position | DINT |
| 0x60B8:00 | 2 | Touch probe function | UINT |

- “Outputs” ²⁾ (Process Data)
- , 4 PDO (RxPDO)가 0x1600 PDO가
 - 0x1600 PDO Content Controlword, Modes of operation, Target position, TouchProbe function
 - , Torque , Torque
- PDO Assignment RxPDO

SyncManager

| SM | Size | Type |
|----|------|---------|
| 0 | 256 | MBoxOut |
| 1 | 256 | MBoxIn |
| 2 | 19 | Outputs |
| 3 | 23 | Inputs |

PDO List

| Index | Size | Name | SM |
|--------|------|------------------------|----|
| 0x1600 | 9 | Receive PDO mapping 1 | |
| 0x1601 | 19 | Receive PDO mapping 2 | 2 |
| 0x1602 | 15 | Receive PDO mapping 3 | |
| 0x1603 | 21 | Receive PDO mapping 4 | |
| 0x1A00 | 23 | Transmit PDO mapping 1 | 3 |
| 0x1A01 | 25 | Transmit PDO mapping 2 | |
| 0x1A02 | 25 | Transmit PDO mapping 3 | |
| 0x1A03 | 25 | Transmit PDO mapping 4 | |

PDO Assignment

| | |
|-------------------------------------|--------|
| <input type="checkbox"/> | 0x1600 |
| <input checked="" type="checkbox"/> | 0x1601 |
| <input type="checkbox"/> | 0x1602 |
| <input type="checkbox"/> | 0x1603 |

PDO Content (0x1A00)

| Index | Size | Name | Type |
|-----------|------|----------------------|-------|
| 0x6040:00 | 2 | Controlword | UINT |
| 0x6060:00 | 1 | Modes of operation | SINT |
| 0x6071:00 | 2 | Target torque | INT |
| 0x607A:00 | 4 | Target position | DINT |
| 0x6080:00 | 4 | Max motor speed | UDINT |
| 0x60B8:00 | 2 | Touch probe function | UINT |
| 0x60FF:00 | 4 | Target velocity | DINT |

- PDO 0x1601 , 0x1601 PDO Content 가
 - 0x1600 Target torque Max motor speed가 가
 - , Torque 가 가

SyncManager

| SM | Size | Type |
|----|------|---------|
| 0 | 256 | MBoxOut |
| 1 | 256 | MBoxIn |
| 2 | 9 | Outputs |
| 3 | 25 | Inputs |

PDO List

| Index | Size | Name | SM |
|--------|------|------------------------|----|
| 0x1600 | 9 | Receive PDO mapping 1 | 2 |
| 0x1601 | 19 | Receive PDO mapping 2 | |
| 0x1602 | 15 | Receive PDO mapping 3 | |
| 0x1603 | 21 | Receive PDO mapping 4 | |
| 0x1A00 | 23 | Transmit PDO mapping 1 | |
| 0x1A01 | 25 | Transmit PDO mapping 2 | 3 |
| 0x1A02 | 25 | Transmit PDO mapping 3 | |
| 0x1A03 | 25 | Transmit PDO mapping 4 | |

PDO Assignment

| | |
|-------------------------------------|--------|
| <input type="checkbox"/> | 0x1A00 |
| <input checked="" type="checkbox"/> | 0x1A01 |
| <input type="checkbox"/> | 0x1A02 |
| <input type="checkbox"/> | 0x1A03 |

PDO Content (0x1A00)

| Index | Size | Name | Type |
|-----------|------|----------------------------|------|
| 0x603F:00 | 2 | Error code | UINT |
| 0x6041:00 | 2 | Statusword | UINT |
| 0x6061:00 | 1 | Modes of operation display | SINT |
| 0x6064:00 | 4 | Position actual value | DINT |
| 0x606C:00 | 4 | Velocity actual value | DINT |
| 0x6077:00 | 2 | Torque actual value | INT |
| 0x60B9:00 | 2 | Touch probe status | UINT |

- “Inputs” ³⁾ (Process Data)
- , 4 PDO (TxPDO)가 0x1A01 PDO가
 - 0x1A01 PDO Content
 - , PDO Content Torque actual value torque
- PDO List 가 PDO List list , PDO Assignment
- “Apply to the same product” ⁴⁾

Info

- RxPDO TxPDO xml

1) , Data

2)

Data RxPDO

3)

Data TxPDO

4)

VendorID ProductCode가

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