

PDO MAP 1
Intro 1
ESI File 1

PDO MAP

× ESI

PDO Map

Intro

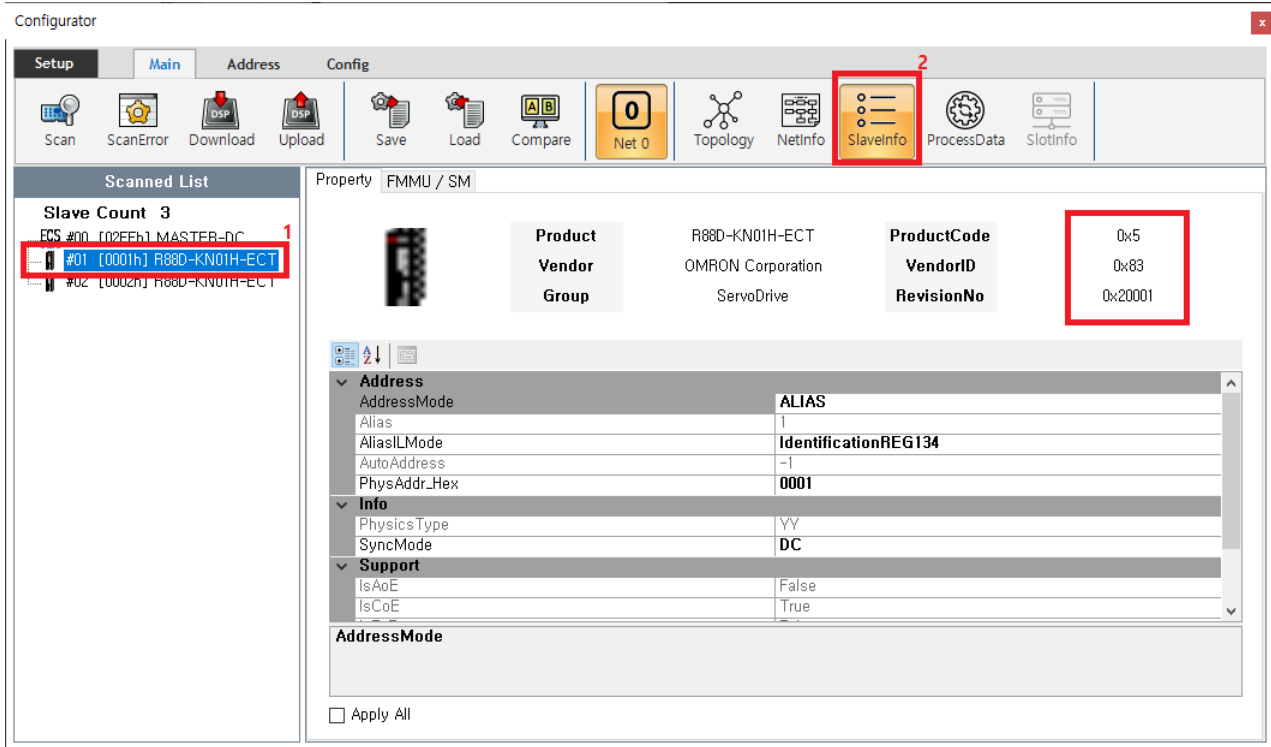
The screenshot shows the 'Configurator' software interface. It features a top toolbar with icons for Scan, ScanError, Download, Upload, Save, Load, Compare, Net 0, Topology, NetInfo, SlaveInfo, ProcessData, and SlotInfo. Below the toolbar are three main panels:

- Scanned List:** Shows three slave devices: #00 [02FFh] MASTER-DC, #01 [0001h] R88D-KN01H-ECT (highlighted), and #02 [0002h] R88D-KN01H-ECT.
- SyncManager:** A table with columns SM, Size, and Type. It lists four entries: SM 0 (256, MBoxOut), SM 1 (256, MBoxIn), SM 2 (12, Outputs), and SM 3 (28, Inputs).
- PDO List:** A table with columns Index, Size, Name, and SM. It lists various PDO mappings, with '258th receive PDO Mapping' at index 0x1701 (size 12) highlighted.
- PDO Assignment:** A table with columns Index, Size, Name, and Type. It lists assignments for indices 0x1600 through 0x1705. The entry for index 0x1701 is checked and highlighted with a red box.
- PDO Contents (0x1701):** A table with columns Index, Size, Name, and Type. It lists contents for index 0x1701: Controlword (2, UINT), Target position (4, DINT), Touch probe function (2, UINT), and Physical outputs (4, UDINT).

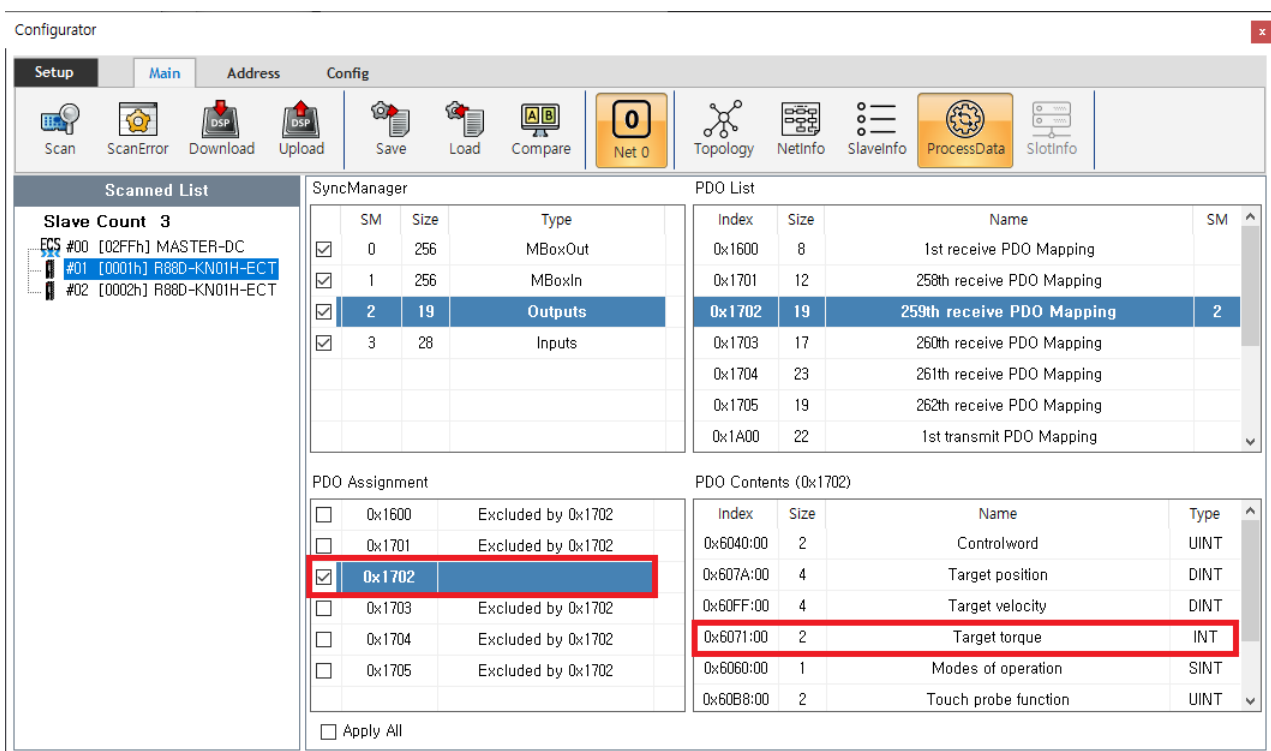
- SCAN
 - 'PDO Assignment' 가 ESI ¹⁾
- 'PDO Contents'
 - 'Current Torque' PDO Map(0x1702), 'Target Torque'
- SCAN
 - esi, ESI

ESI File

- OMRON
 - Torque
- PDO Map



- 'SlaveInfo' ProductCode, RevisionNo



- 'ProcessData' PDO Map
- 'Target Troque' Map : 0x1702

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <EtherCATInfo Version="1.4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLoca
3   <Vendor FileVersion="100">
4     <!--1.00:NewRelease-->
5     <Id>#x83</Id>
6     <Name LcId="1033">OMRON Corporation</Name>
7     <Name LcId="1041">オムロン 株式会社</Name>
8     <ImageData16x14>424DD60200000000000003600000028000000100000000E000000010018000000000A0020000000000
9   </Vendor>
10  <Descriptions>
11    <Groups>
12      <Group SortOrder="100">
13        <Type>ServoDrive</Type>
14        <Name LcId="1033">Servo Drives</Name>
15        <Name LcId="1041">サロボドライブ</Name>
16        <ImageData16x14>424DD602000000000003600000028000000100000000E000000010018000000000A002000
17      </Group>
18    </Groups>
19    <Devices>
20      <Device Invisible="0" Physics="YY">
8135    <Device Invisible="0" Physics="YY">
16250   <Device Invisible="0" Physics="YY">
24365   <Device Invisible="0" Physics="YY">
32480   <Device Invisible="0" Physics="YY">
32481   <Type ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</Type>
32482   <HideType ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</HideType>
32483   <HideType ProductCode="#x00000005" RevisionNo="#x00020000">R88D-KN01H-ECT</HideType>
32484   <Name LcId="1033"><![CDATA[R88D-KN01H-ECT G5 Series ServoDrive/Motor]]></Name>
32485   <Name LcId="1041"><![CDATA[R88D-KN01H-ECT G5 シリズ サロボドライブ/モタ]]></Name>
32486   <Comment LcId="1033">200V/100W ServoDrive</Comment>
32487   <Comment LcId="1041">200V/100W サロボドライブ</Comment>
32488   <URL LcId="1033">http://www.ia.omron.com/</URL>
32489   <URL LcId="1041">http://www.fa.omron.co.jp/</URL>
32490   <Info>
32491     <StateMachine>
32492     <Timeout>

```

- XML Editor²⁾ esi , ProductCode RevisionNo가

The screenshot displays the XML Editor interface for configuring a device. The XML code on the left shows the configuration for a Servo Drive (R88D-KN01H-ECT). The graphical interface on the right includes the following tables:

| SyncManager | | | |
|-------------------------------------|------|------|---------|
| SM | Size | Type | |
| <input type="checkbox"/> | 0 | 256 | MBoxOut |
| <input checked="" type="checkbox"/> | 1 | 256 | MBoxIn |
| <input checked="" type="checkbox"/> | 2 | 12 | Outputs |
| <input checked="" type="checkbox"/> | 3 | 28 | Inputs |

| PDO List | | |
|----------|------|-----|
| Index | Size | |
| 0x1600 | 8 | |
| 0x1701 | 12 | 256 |
| 0x1702 | 19 | |
| 0x1703 | 17 | |
| 0x1704 | 23 | |
| 0x1705 | 19 | |
| 0x1A00 | 22 | |

| PDO Assignment | | |
|-------------------------------------|--------|--------------------|
| Index | Size | |
| <input type="checkbox"/> | 0x1600 | Excluded by 0x1701 |
| <input checked="" type="checkbox"/> | 0x1701 | |
| <input type="checkbox"/> | 0x1702 | Excluded by 0x1701 |
| <input type="checkbox"/> | 0x1703 | Excluded by 0x1701 |
| <input type="checkbox"/> | 0x1704 | Excluded by 0x1701 |
| <input type="checkbox"/> | 0x1705 | Excluded by 0x1701 |

• '<RxPdo Fixed="0">'

'SyncManager' Outputs

| PDO Assignment | | | PDO Contents (0x1702) | | |
|-------------------------------------|--------|--------------------|-----------------------|------|-----|
| <input type="checkbox"/> | 0x1600 | Excluded by 0x1702 | Index | Size | |
| <input type="checkbox"/> | 0x1701 | Excluded by 0x1702 | 0x6040:00 | 2 | |
| <input checked="" type="checkbox"/> | 0x1702 | | 0x607A:00 | 4 | |
| <input type="checkbox"/> | 0x1703 | Excluded by 0x1702 | 0x60FF:00 | 4 | |
| <input type="checkbox"/> | 0x1704 | Excluded by 0x1702 | 0x6071:00 | 2 | |
| <input type="checkbox"/> | 0x1705 | Excluded by 0x1702 | 0x6060:00 | 1 | Mod |

• 'Sm="2"'

가

| SyncManager | | | | PDO List | | | |
|-------------------------------------|----|------|---------|----------|------|--|----------|
| <input checked="" type="checkbox"/> | SM | Size | Type | Index | Size | | |
| <input checked="" type="checkbox"/> | 0 | 256 | MBoxOut | 0x1600 | 8 | | 1st re |
| <input checked="" type="checkbox"/> | 1 | 256 | MBoxIn | 0x1701 | 12 | | 258th r |
| <input checked="" type="checkbox"/> | 2 | 19 | Outputs | 0x1702 | 19 | | 259th re |
| <input checked="" type="checkbox"/> | 3 | 28 | Inputs | 0x1703 | 17 | | 260th r |

| PDO Assignment | | | PDO Contents (0x1702) | | |
|-------------------------------------|--------|--------------------|-----------------------|------|------|
| <input type="checkbox"/> | 0x1600 | Excluded by 0x1702 | Index | Size | |
| <input type="checkbox"/> | 0x1701 | Excluded by 0x1702 | 0x6040:00 | 2 | |
| <input checked="" type="checkbox"/> | 0x1702 | | 0x607A:00 | 4 | |
| <input type="checkbox"/> | 0x1703 | Excluded by 0x1702 | 0x60FF:00 | 4 | |
| <input type="checkbox"/> | 0x1704 | Excluded by 0x1702 | 0x6071:00 | 2 | |
| <input type="checkbox"/> | 0x1705 | Excluded by 0x1702 | 0x6060:00 | 1 | Mod |
| | | | 0x60B8:00 | 2 | Touc |

• 'Sm="2"' 가 , 가

