

PDO MAP 1
Intro 1
ESI File 1

PDO MAP

× ESI

PDO Map

Intro

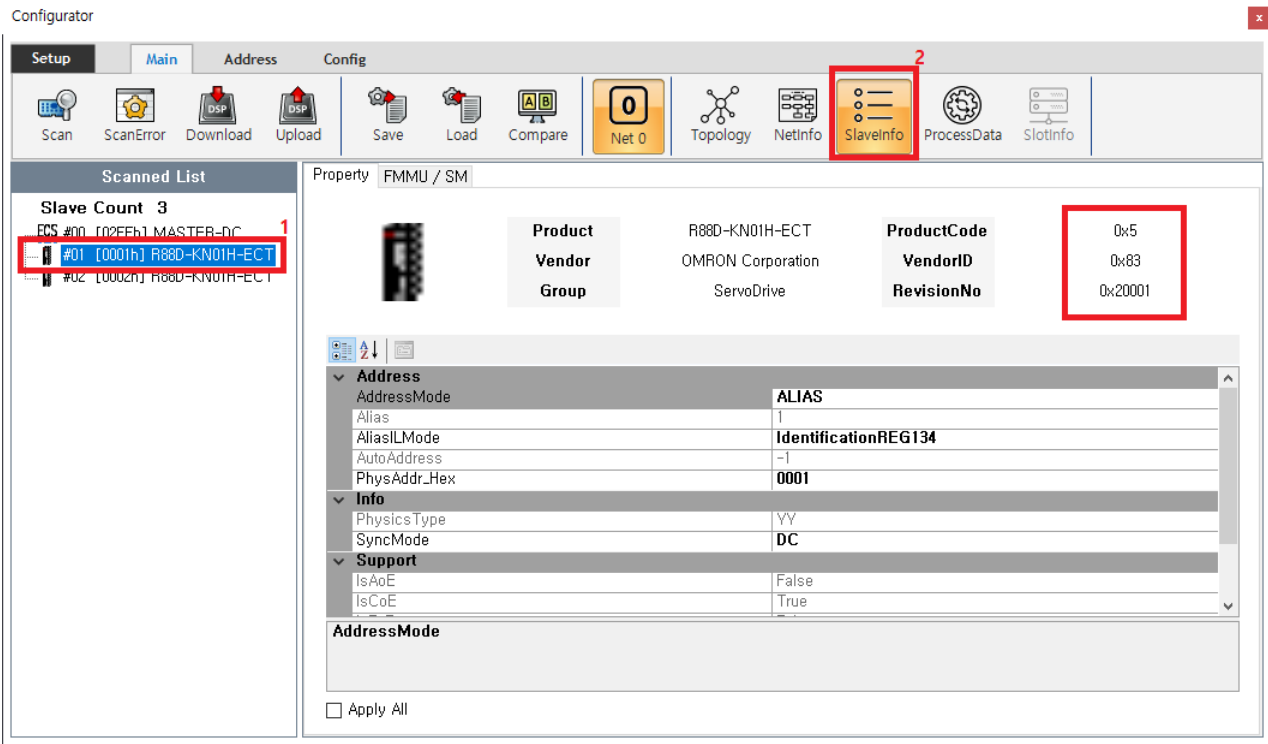
The screenshot shows the 'Configurator' software interface. It has a menu bar with 'Setup', 'Main', 'Address', and 'Config'. Below the menu is a toolbar with icons for Scan, ScanError, Download, Upload, Save, Load, Compare, Net 0, Topology, NetInfo, SlaveInfo, ProcessData, and SlotInfo. The main area is divided into several sections:

- Scanned List:** Shows 'Slave Count 3' and lists three slaves: #00 [02FFh] MASTER-DC, #01 [0001h] R88D-KN01H-ECT, 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, including '258th receive PDO Mapping' at index 0x1701 with SM 2.
- PDO Assignment:** A table with columns Index, Size, Name, and Type. It lists assignments for indices 0x1600 to 0x1705. The entry for 0x1701 is highlighted with a red box.
- PDO Contents (0x1701):** A table with columns Index, Size, Name, and Type. It lists contents for index 0x1701, including 'Controlword' (UINT), 'Target position' (DINT), 'Touch probe function' (UINT), and 'Physical outputs' (UDINT).

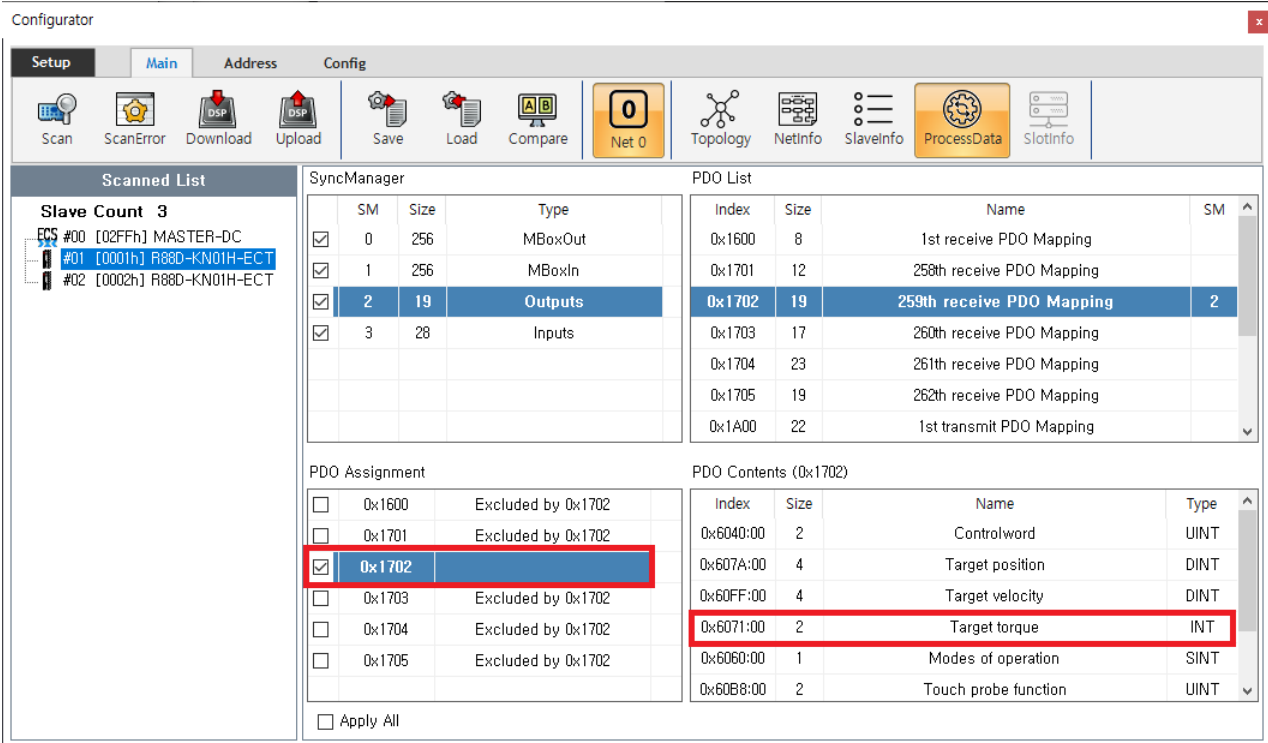
- SCAN
 - 'PDO Assignment' 가 ESI ¹⁾
- 'PDO Contents'
 - 'Current Torque' PDO Map(0x1702), 'Target Torque'
- SCAN
 - esi, ESI

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>424DD6020000000000000360000002800000100000000E00000010018000000000A0020000000000
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>424DD60200000000000360000002800000100000000E00000010018000000000A002000
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 シリウス サロボドライブ/モータ]]></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 right side of the interface shows a graphical representation of the device's configuration, including a SyncManager table, a PDO List table, and a PDO Assignment table.

SM	Size	Type
<input checked="" 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

Index	Size
0x1600	8
0x1701	12
0x1702	19
0x1703	17
0x1704	23
0x1705	19
0x1A00	22

Index	Size
0x6040:00	2
0x607A:00	4
0x60B8:00	2
0x60FE:01	4

• '<RxDpo Fixed="0">'

'SyncManager' Outputs

XML Code Snippets:

```

<Fmmu>Outputs</Fmmu>
<Fmmu>Inputs</Fmmu>
<Sm MinSize="40" MaxSize="256" DefaultSize="12" StartIndex="0" Fixed="0">
<Sm MinSize="40" MaxSize="256" DefaultSize="12" StartIndex="1" Fixed="0">
<Sm MaxSize="24" DefaultSize="12" StartIndex="2" Fixed="0">
<Sm MaxSize="30" DefaultSize="28" StartIndex="3" Fixed="0">
<RxDpo Fixed="0">
<RxDpo Fixed="1">
<RxDpo Fixed="1" Sm="2">
<RxDpo Fixed="1">
<RxDpo Fixed="1">
<RxDpo Fixed="1">
<TxPdo Fixed="0">
<TxPdo Fixed="1" Sm="3">
<TxPdo Fixed="1">
<TxPdo Fixed="1">
<TxPdo Fixed="1">
<TxPdo Fixed="1">

```

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

XML Code Snippets:

```

<Devices>
<Device Invisible="0" Physics="YY">
<Device Invisible="0" Physics="YY">
<Device Invisible="0" Physics="YY">
<Device Invisible="0" Physics="YY">
<Device Invisible="0" Physics="YY">
<Type ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</Type>
<HideType ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</HideType>
<Name LcId="1033"><![CDATA[R88D-KN01H-ECT]]></Name>
<Name LcId="1041"><![CDATA[R88D-KN01H-ECT]]></Name>
<Comment LcId="1033">200V/100W Servo</Comment>
<Comment LcId="1041">200V/100W サイボ</Comment>
<URL LcId="1033">http://www.ia.omron.com</URL>
<URL LcId="1041">http://www.fa.omron.com</URL>
<Info>
<GroupType>ServoDrive</GroupType>
<Profile>
<Fmmu>Outputs</Fmmu>
<Fmmu>Inputs</Fmmu>
<Sm MinSize="40" MaxSize="256" DefaultSize="12" StartIndex="0" Fixed="0">
<Sm MinSize="40" MaxSize="256" DefaultSize="12" StartIndex="1" Fixed="0">
<Sm MaxSize="24" DefaultSize="12" StartIndex="2" Fixed="0">
<Sm MaxSize="30" DefaultSize="28" StartIndex="3" Fixed="0">
<RxDpo Fixed="0">
<RxDpo Fixed="1">
<RxDpo Fixed="1" Sm="2">
<RxDpo Fixed="1">
<RxDpo Fixed="1">
<RxDpo Fixed="1">
<TxPdo Fixed="0">
<TxPdo Fixed="1" Sm="3">
<TxPdo Fixed="1">
<TxPdo Fixed="1">
<TxPdo Fixed="1">
<TxPdo Fixed="1">
<Mailbox DataLinkLayer="1">
<CoE SdoInfo="1" PdoAssign="1" PdoConfig="1" CompleteAccess="0" SegmentedSdo="1" DiagHistory="1">
<InitCmd>

```

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	
				0x1704	23	261th r	
				0x1705	19	262th r	
				0x1A00	22	1st tra	

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

The screenshot shows an XML configuration for a servo drive. The XML includes sections for device information, group type (ServoDrive), profile, and PDO assignments. A table titled 'SyncManager' and 'PDO List' is overlaid on the XML. The table has columns for SM, Size, Type, Index, and Size. The 'SyncManager' section shows SM 0 (256, MBoxOut), SM 1 (256, MBoxIn), SM 2 (12, Outputs), and SM 3 (28, Inputs). The 'PDO List' section shows PDO indices and sizes: 0x1600 (8), 0x1701 (12), 0x1702 (19), 0x1703 (17), 0x1704 (23), 0x1705 (19), and 0x1A00 (22). Below the table, a 'PDO Assignment' section shows checkboxes for various PDOs, with 0x1B01 checked. The 'PDO Contents (0x1B01)' section shows the index and size for each PDO: 0x603F:00 (2), 0x6041:00 (2), 0x6064:00 (4), 0x6077:00 (2), 0x60F4:00 (4), and 0x60B9:00 (2).

- '<TxPdo Fixed="0">' 가 'SyncManager' Inputs
- 'Sm="3"' 가
-
- Configurator SCAN

1)

.xml

2)

Notepad, Notepad++, Ultra Editor

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