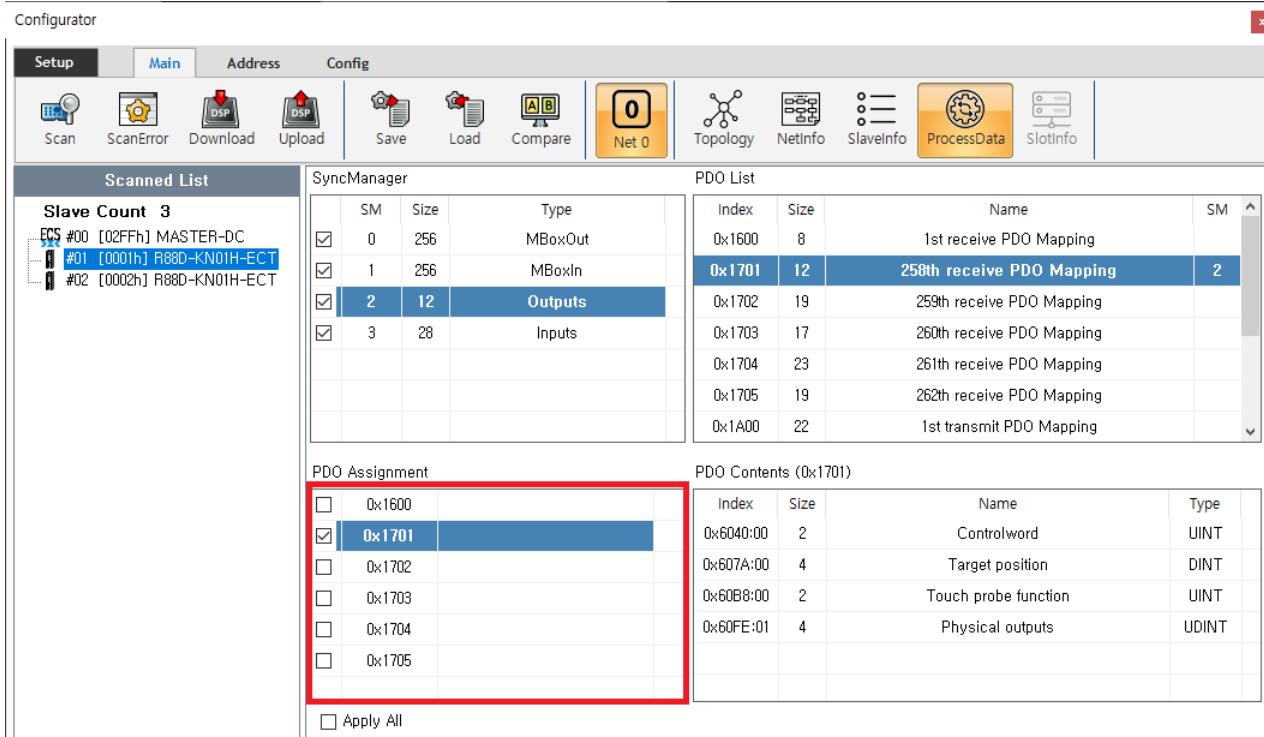


PDO MAP	1
Intro	1
ESI File	1

x ESI

PDO Map

Intro



- SCAN

-

- 'PDO Contents'

-

'Current Torque'

'PDO Assignment' 가
ESI ①

'PDO Assignment'

'Target Torque'

- SCAN

-

esi

ESI

ESI File

- OMRON
- Torque

PDO Map

Configurator

Slave Count 3

ECS #00 [02FFh] MASTER-DC
#01 [0001h] R88D-KN01H-ECT
#02 [0002h] R88D-KN01H-ECT

Product: R88D-KN01H-ECT
Vendor: OMRON Corporation
Group: ServoDrive

ProductCode: 0x5
VendorID: 0x83
RevisionNo: 0x20001

Address settings:

- AddressMode: ALIAS (Value: 1)
- Alias: IdentificationREG134
- AliasSLMode: -1
- AutoAddress: 0001

Info settings:

- PhysicsType: YY
- SyncMode: DC

Support settings:

- IsAoE: False
- IsCoE: True

AddressMode dropdown and Apply All checkbox.

- 'SlaveInfo'
- ProductCode, RevisionNo

Configurator

Slave Count 3

ECS #00 [02FFh] MASTER-DC
#01 [0001h] R88D-KN01H-ECT
#02 [0002h] R88D-KN01H-ECT

SyncManager table:

SM	Size	Type
0	256	MBoxOut
1	256	MBoxIn
2	19	Outputs
3	28	Inputs

PDO List table:

Index	Size	Name	SM
0x1600	8	1st receive PDO Mapping	
0x1701	12	258th receive PDO Mapping	
0x1702	19	259th receive PDO Mapping	2
0x1703	17	260th receive PDO Mapping	
0x1704	23	261th receive PDO Mapping	
0x1705	19	262th receive PDO Mapping	
0x1A00	22	1st transmit PDO Mapping	

PDO Assignment table:

<input type="checkbox"/> 0x1600	Excluded by 0x1702
<input type="checkbox"/> 0x1701	Excluded by 0x1702
<input checked="" type="checkbox"/> 0x1702	
<input type="checkbox"/> 0x1703	Excluded by 0x1702
<input type="checkbox"/> 0x1704	Excluded by 0x1702
<input type="checkbox"/> 0x1705	Excluded by 0x1702

PDO Contents (0x1702) table:

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

Apply All checkbox.

- 'ProcessData'
- 'Target Troque'
- PDO Map
- 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>424DD60200000000000036000000280000010000000E00000010018000000000A002000000000000
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">サーボドライバ</Name>
16                 <ImageData16x14>424DD60200000000000036000000280000010000000E00000010018000000000A002000000000000
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="#x0000005" RevisionNo="#x00020001">R88D-KN01H-ECT</Type>
32482                 <HideType ProductCode="#x0000005" RevisionNo="#x00020000">R88D-KN01H-ECT</HideType>
32483                 <HideType ProductCode="#x0000005" 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 シリーズ サーボドライバ/モータ]]></Name>
32486                 <Comment LcId="1033">200V/100W ServoDrive</Comment>
32487                 <Comment LcId="1041">200V/100W サーボドライバ</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 RevisionNo 가

Devices			PDO List		
	SM	Size	Type	Index	Size
19				0x1600	8
20				0x1701	12
8135				0x1702	19
16250				0x1703	17
24365				0x1704	23
32480				0x1705	19
32481				0x1A00	22
32482					
32483					
32484					
32485					
32486					
32487					
32488					
32489					
32490					
32515					
32516					
39743					
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39750					
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39998					
39999					
40000					
40001					

- '<RxPdo Fixed="0">'

- 'Sm="2"

가

'SyncManager' Outputs

XML Configuration (Left):

```

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" R>
32483        <HideType ProductCode="#x00000005" R>
32484          <Name LcId="1033"><![CDATA[R88D-KN01H-ECT]>
32485          <Name LcId="1041"><![CDATA[R88D-KN01H-ECT]>
32486          <Comment LcId="1033">200V/100W ServoL
32487          <Comment LcId="1041">200V/100W サーボL
32488          <URL LcId="1033">http://www.ja.omron.com
32489          <URL LcId="1041">http://www.fa.omron.com
32490        <Info>
32515        <GroupType>ServoDrive</GroupType>
32516        <Profile>
39743          <Fmmu>Outputs</Fmmu>
39744          <Fmmu>Inputs</Fmmu>
39745            <Sm MinSize="40" MaxSize="256" DefaultSize="128" Sm="2">
39746            <Sm MinSize="40" MaxSize="256" DefaultSize="128" Sm="2">
39747            <Sm MaxSize="24" DefaultSize="12" Sm="2">
39748            <Sm MaxSize="30" DefaultSize="28" Sm="2">
39749            <RxPdo Fixed="0">
39783            <RxPdo Fixed="1">
39825              <RxPdo Fixed="1" Sm="2"> →
39891            <RxPdo Fixed="1">
39957            <RxPdo Fixed="1">
40039            <RxPdo Fixed="1">
40113            <TxPdo Fixed="0">
40178            <TxPdo Fixed="1" Sm="3">
40259            <TxPdo Fixed="1">
40340            <TxPdo Fixed="1">
40429            <TxPdo Fixed="1">
40518            <TxPdo Fixed="1">
40531            <Mailbox DataLinkLayer="1">
40532              <CoE SdoInfo="1" PdoAssign="1" PdoConfig="1" CompleteAccess="0" SegmentedSdo="1" DiagHistory="1">
40533                <InitCmd>

```

SyncManager PDO List (Top Right):

SM	Size	Type
<input checked="" type="checkbox"/> 0	256	MBoxOut
<input checked="" type="checkbox"/> 1	256	MBoxIn
<input checked="" type="checkbox"/> 2	19	Outputs
<input checked="" type="checkbox"/> 3	28	Inputs

PDO Assignment (Middle Right):

<input type="checkbox"/> 0x1600	Excluded by 0x1702
<input type="checkbox"/> 0x1701	Excluded by 0x1702
<input checked="" type="checkbox"/> 0x1702	
<input type="checkbox"/> 0x1703	Excluded by 0x1702
<input type="checkbox"/> 0x1704	Excluded by 0x1702
<input type="checkbox"/> 0x1705	Excluded by 0x1702

PDO Contents (0x1702) (Bottom Right):

Index	Size
0x6040:00	2
0x607A:00	4
0x60FF:00	4
0x6071:00	2
0x6060:00	1
0x60B8:00	2

- 'Sm="2"' 가 , 가

SyncManager

	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

PDO List

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

PDO Assignment

	Index	Size
<input type="checkbox"/>	0x1A00	
<input checked="" type="checkbox"/>	0x1B01	
<input type="checkbox"/>	0x1B02	
<input type="checkbox"/>	0x1B03	
<input type="checkbox"/>	0x1B04	
<input type="checkbox"/>	0x1BFF	

PDO Contents (0x1B01)

	Index	Size
0x603F:00	2	
0x6041:00	2	
0x6064:00	4	
0x6077:00	2	
0x60F4:00	4	
0x60B9:00	2	

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

'SyncManager' Inputs

SCAN

1)

.xml

2)

Notepad, Notepad++, Ultra Editor

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