

|   |                                       |
|---|---------------------------------------|
| <b>Title:</b> ESI Usage Notes For SGDV-OCA01A |                                       |
| <b>Product(s):</b> SGDV-OCA01A                | <b>Doc. No.</b> Yaskawa_CoE_ESI_Files |

**Overview**

This document contains usage notes for the SGDV-OCA01A ESI files.

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**Product(s):** SGD-V-OCA01A

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## 1. Products

The ESI files apply to the following products:

| Number | Part Number | Description  |
|--------|-------------|--|
| 1      | SGDV-OCA01A | Sigma-5 CANopen over EtherCAT Option Module for Rotary and Linear SERVOPACKs |

For the ESI file for products not listed above, check Yaskawa.com or contact Yaskawa Technical Support.

## 2. ESI Files And Device Descriptions

The ESI file names and the device descriptions they contain are below:

| Number            | File Name                        | Device Descriptions   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
|-------------------|----------------------------------|---|-------------------|--------------------------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|
| 1                 | Yaskawa SGD-V-E1_CoE rev5.00.xml | <p>For Rotary SERVOPACKs:<br/>(Part number format of SERVOPACK: SGD-V-□□□□E1 *,<br/><b>1018:02h</b> Product code = <b>0x02200001</b>)</p> <table><tr><th>Firmware Revision</th><th>1018:03h Revision number</th></tr><tr><td>1.00</td><td>0x00010000</td></tr><tr><td>2.00</td><td>0x00020000</td></tr><tr><td>3.01</td><td>0x00030001</td></tr><tr><td>3.05</td><td>0x00030005</td></tr><tr><td>4.00</td><td>0x00040000</td></tr><tr><td>5.00</td><td>0x00050000</td></tr></table> | Firmware Revision | 1018:03h Revision number | 1.00 | 0x00010000 | 2.00 | 0x00020000 | 3.01 | 0x00030001 | 3.05 | 0x00030005 | 4.00 | 0x00040000 | 5.00 | 0x00050000 |
| Firmware Revision | 1018:03h Revision number         |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 1.00              | 0x00010000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 2.00              | 0x00020000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 3.01              | 0x00030001                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 3.05              | 0x00030005                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 4.00              | 0x00040000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 5.00              | 0x00050000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 2                 | Yaskawa SGD-V-E5_CoE rev5.00.xml | <p>For Linear SERVOPACKs:<br/>(Part number format of SERVOPACK: SGD-V-□□□□E5 *,<br/><b>1018:02h</b> Product code = <b>0x02200002</b>)</p> <table><tr><th>Firmware Revision</th><th>1018:03h Revision number</th></tr><tr><td>1.00</td><td>0x00010000</td></tr><tr><td>2.00</td><td>0x00020000</td></tr><tr><td>3.01</td><td>0x00030001</td></tr><tr><td>3.05</td><td>0x00030005</td></tr><tr><td>4.00</td><td>0x00040000</td></tr><tr><td>5.00</td><td>0x00050000</td></tr></table> | Firmware Revision | 1018:03h Revision number | 1.00 | 0x00010000 | 2.00 | 0x00020000 | 3.01 | 0x00030001 | 3.05 | 0x00030005 | 4.00 | 0x00040000 | 5.00 | 0x00050000 |
| Firmware Revision | 1018:03h Revision number         |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 1.00              | 0x00010000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 2.00              | 0x00020000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 3.01              | 0x00030001                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 3.05              | 0x00030005                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 4.00              | 0x00040000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |
| 5.00              | 0x00050000                       |   |                   |                          |      |            |      |            |      |            |      |            |      |            |      |            |

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**Product(s):** SGD-V-OCA01A

**Doc. No.** Yaskawa\_CoE\_ESI\_Files

| Number               | File Name                          | Device Descriptions  |                      |                                    |      |            |
|----------------------|------------------------------------|--|----------------------|------------------------------------|------|------------|
| 3                    | Yaskawa SGDV-E1_CoE rev5.04.xml    | <div>For Rotary SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E1 *,<br/><b>1018:02h</b> Product code = <b>0x02200001</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>5.04</td><td>0x00050004</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 5.04 | 0x00050004 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 5.04                 | 0x00050004                         |  |                      |                                    |      |            |
| 4                    | Yaskawa SGDV-E5_CoE rev5.04.xml    | <div>For Linear SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E5 *,<br/><b>1018:02h</b> Product code = <b>0x02200002</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>5.04</td><td>0x00050004</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 5.04 | 0x00050004 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 5.04                 | 0x00050004                         |  |                      |                                    |      |            |
| 5                    | Yaskawa SGDV-E1_CoE rev6.00.xml    | <div>For Rotary SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E1 *,<br/><b>1018:02h</b> Product code = <b>0x02200001</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>6.00</td><td>0x00060000</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 6.00 | 0x00060000 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 6.00                 | 0x00060000                         |  |                      |                                    |      |            |
| 6                    | Yaskawa SGDV-E5_CoE rev6.00.xml    | <div>For Linear SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E5 *,<br/><b>1018:02h</b> Product code = <b>0x02200002</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>6.00</td><td>0x00060000</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 6.00 | 0x00060000 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 6.00                 | 0x00060000                         |  |                      |                                    |      |            |
| 7                    | Yaskawa SGDV-E1_CoE rev6.03.xml    | <div>For Rotary SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E1 *,<br/><b>1018:02h</b> Product code = <b>0x02200001</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>6.03</td><td>0x00060003</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 6.03 | 0x00060003 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 6.03                 | 0x00060003                         |  |                      |                                    |      |            |

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| Number               | File Name                          | Device Descriptions  |                      |                                    |      |            |
|----------------------|------------------------------------|--|----------------------|------------------------------------|------|------------|
| 8                    | Yaskawa SGDV-E5_CoE rev6.03.xml    | <div>For Linear SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E5 *,<br/><b>1018:02h</b> Product code = <b>0x02200002</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>6.03</td><td>0x00060003</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 6.03 | 0x00060003 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 6.03                 | 0x00060003                         |  |                      |                                    |      |            |
| 9                    | Yaskawa SGDV-E1_CoE rev7.00.xml    | <div>For Rotary SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E1 *,<br/><b>1018:02h</b> Product code = <b>0x02200001</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>7.00</td><td>0x00070000</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 7.00 | 0x00070000 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 7.00                 | 0x00070000                         |  |                      |                                    |      |            |
| 10                   | Yaskawa SGDV-E5_CoE rev7.00.xml    | <div>For Linear SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E5 *,<br/><b>1018:02h</b> Product code = <b>0x02200002</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>7.00</td><td>0x00070000</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 7.00 | 0x00070000 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 7.00                 | 0x00070000                         |  |                      |                                    |      |            |
| 11                   | Yaskawa SGDV-E1_CoE rev7.01.xml    | <div>For Rotary SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E1 *,<br/><b>1018:02h</b> Product code = <b>0x02200001</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>7.01</td><td>0x00070001</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 7.01 | 0x00070001 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 7.01                 | 0x00070001                         |  |                      |                                    |      |            |
| 12                   | Yaskawa SGDV-E5_CoE rev7.01.xml    | <div>For Linear SERVOPACKs:<br/>(Part number format of SERVOPACK: SGDV-□□□□E5 *,<br/><b>1018:02h</b> Product code = <b>0x02200002</b>)</div> <table><tr><td>Firmware<br/>Revision</td><td><b>1018:03h</b><br/>Revision number</td></tr><tr><td>7.01</td><td>0x00070001</td></tr></table> | Firmware<br>Revision | <b>1018:03h</b><br>Revision number | 7.01 | 0x00070001 |
| Firmware<br>Revision | <b>1018:03h</b><br>Revision number |  |                      |                                    |      |            |
| 7.01                 | 0x00070001                         |  |                      |                                    |      |            |

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### 3. Applying The ESI File

For guidance on how to apply the necessary ESI file to a SERVOPACK in an EtherCAT master's interface, refer to the Yaskawa.com document number

**AN.MTN.06.ETHERCAT.**