

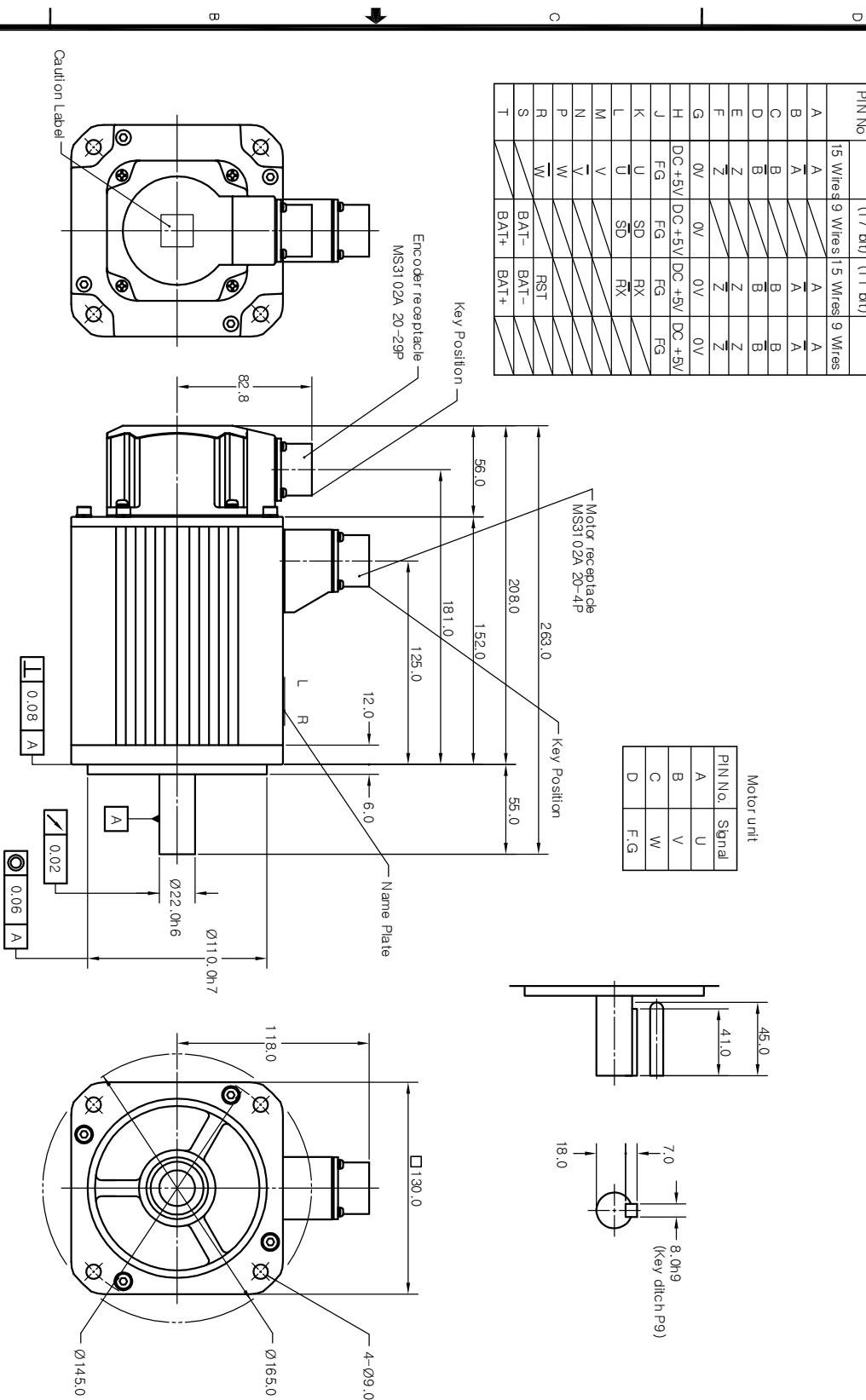
| AMENDMENT |             |          |           |
|-----------|-------------|----------|-----------|
| SIGN      | DESCRIPTION | MODIFIER | APPROVALS |
|           |             |          | DATE      |

Rotary encoder unit

| PIN No | Inc. (17 bit) |         | Abs. (11 bit) |         |
|--------|---------------|---------|---------------|---------|
|        | 15 Wires      | 9 Wires | 15 Wires      | 9 Wires |
| A      | A             | A       | A             | A       |
| B      | A             | A       | A             | A       |
| C      | B             | B       | B             | B       |
| D      | B             | B       | B             | B       |
| E      | Z             | Z       | Z             | Z       |
| F      | Z             | Z       | Z             | Z       |
| G      | 0V            | 0V      | 0V            | 0V      |
| H      | DC+5V         | DC+5V   | DC+5V         | DC+5V   |
| J      | FG            | FG      | FG            | FG      |
| K      | U             | SD      | RX            | SD      |
| L      | U             | SD      | RX            | SD      |
| M      | V             | V       | V             | V       |
| N      | V             | V       | V             | V       |
| P      | W             | W       | W             | W       |
| R      | W             | W       | FST           | FST     |
| S      | BAT-          | BAT-    | BAT-          | BAT-    |
| T      | BAT+          | BAT+    | BAT+          | BAT+    |

Motor unit

| PIN No. | Signal |
|---------|--------|
| A       | U      |
| B       | V      |
| C       | W      |
| D       | F,G    |



| ORIGINAL          | ALTERNATIVE MATERIAL | ITEM       | PART NAME | QTY | PART No. | DWG No. |
|-------------------|----------------------|------------|-----------|-----|----------|---------|
| LINEAR            | ANGLE                | PART LISTS |           |     |          |         |
| 2004.06.29        |                      |            |           |     |          |         |
| 3rd Angle System  |                      |            |           |     |          |         |
| PART NAME         |                      |            |           |     |          |         |
| KOMOTEK CO., LTD. |                      |            |           |     |          |         |
| OUTLINE DRAWING   |                      |            |           |     |          |         |
| (KANL-09B D1ND)   |                      |            |           |     |          |         |
| DWG SIZE          |                      |            |           |     |          |         |
| A2                |                      |            |           |     |          |         |
| DWG No. 10057088  |                      |            |           |     |          |         |
| SHEET 1 OF 1      |                      |            |           |     |          |         |

| NEXT ASSY        | USED ON | FINISH |
|------------------|---------|--------|
| SC KANL-09B D1ND |         |        |