1. **Scope**
   This document specifies the insertion/extraction procedures of KW30-Series.

2. **Part Number**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KW30-*S-#H</td>
<td>Male Connector (Header)</td>
</tr>
<tr>
<td>KW30-*P-#C</td>
<td>Female Connector (Socket)</td>
</tr>
<tr>
<td><img src="KW30#-****PCFA" alt="" /></td>
<td>Female Terminal (Crimp contact)</td>
</tr>
</tbody>
</table>

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Fig. 1.KW30-Series
3. Operation Procedures

3-1. Insertion

3-1-a. Matching inserting direction

: Match inserting direction of header and socket according to their lock position

![Fig. 2. Matching Insertion direction](image1)

3-1-b. Insertion

: Insert socket until tactile click feel generates, keeping the inserting direction and not pressing the lock part.

![Fig. 3. Insertion Method](image2)
Caution 1: Do not insert socket with oblique angle as the below Fig. 4. Oblique insertion might lead to a defect in product.

Fig. 4. Prohibited inserting method

3-1-c. Mating Check
: Check the mating condition whether the lock of the socket is securely has been caught at the lock of the header.
(Proceed optical inspection or slightly pull the cable to check.)

Fig. 5. Mating Status
3-2. Extraction
   3-2-a. Cable holding
       : Hold securely all of the cables.

3-2-b. Unlocking
    : Release the locking as pressing the lock button with finger and pull out the cable.
    Caution) If the locking is not released, the socket would not be extracted properly from header.

4. Precaution
   • Do not insert or remove the cable while electrifying.
   • Excessive stress applied to connector could cause failure and/or deformation.
   • Avoid forcible removal and drop impact.