

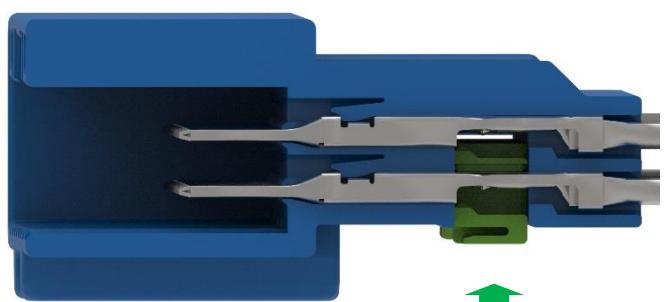
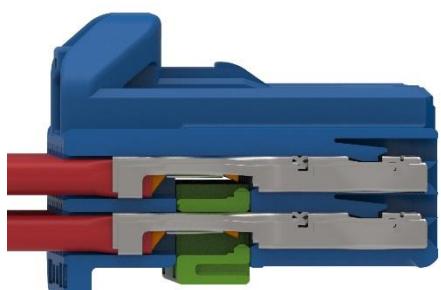
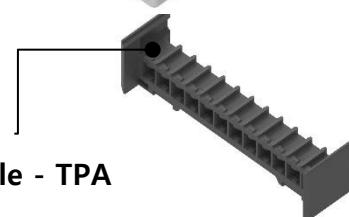
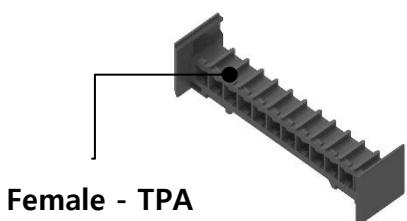
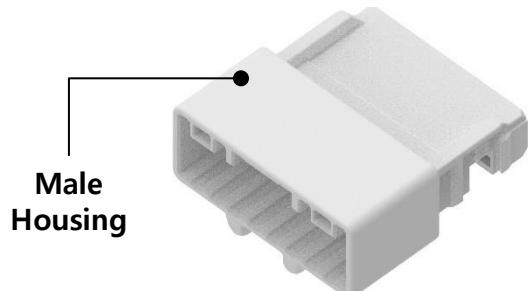
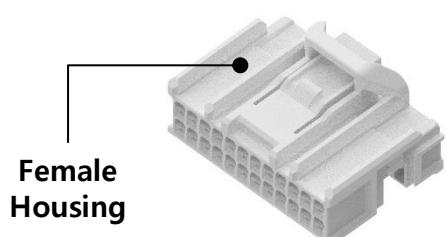


# KYUNGSHIN CONNECTOR



# CONNECTOR LINE UP

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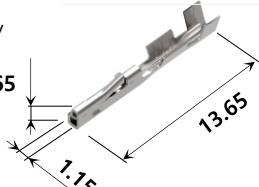
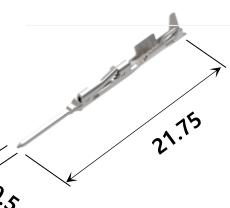
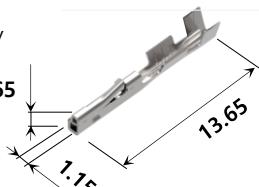
TPA Sliding Direction

## 본 카다로그 이용상의 주의

- ☞ 이 카다로그에 수록된 정보는 단지 참고용으로써 예고없이 변경 될 수 있습니다.
- ☞ 제품 사용에 있어서는 반드시 도면 및 취급설명서 등의 내용을 확인 하시기 바랍니다.

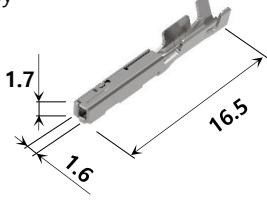
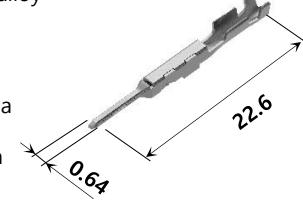
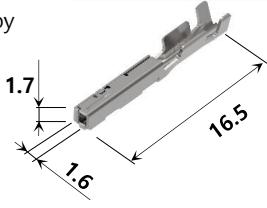
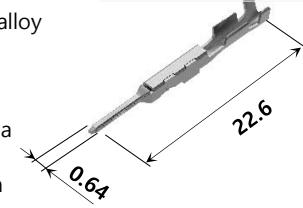
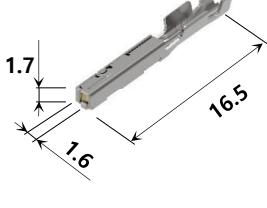
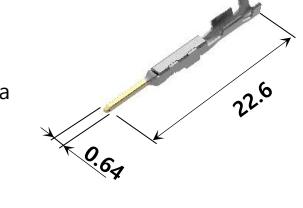
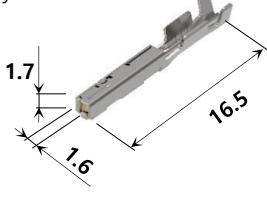
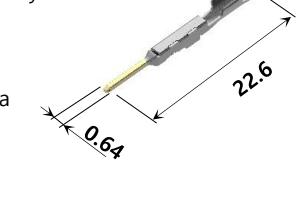
# CONNECTOR

## 020 TERMINAL SERIES

| TYPE | FEMALE   | MALE  |
|------|--|---|
| SS   | <p>Wire size      0.13 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin      1.65</p> <p>Reel      15,000 ea</p> <p>Thickness      0.15 mm</p> <p>Current Range      -</p>  | <p>Wire size      0.13 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      15,000 ea</p> <p>Thickness      0.2 mm</p> <p>Current Range      -</p>  |
| P/N  | TKCBB-02022  | TKCAA-02012   |
| M    | <p>Wire size      0.13 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin      1.65</p> <p>Reel      15,000 ea</p> <p>Thickness      0.15 mm</p> <p>Current Range      -</p>  |   |
| P/N  | TKC11-02022  |   |

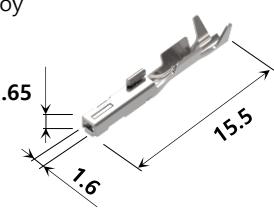
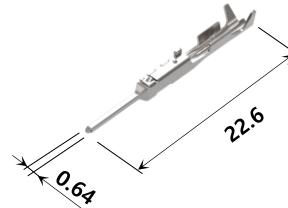
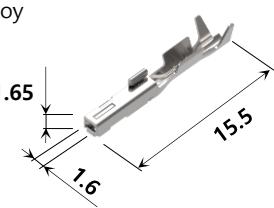
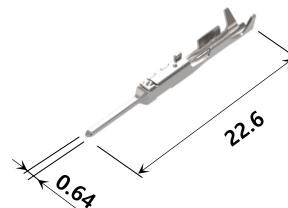
# CONNECTOR

## 025 TERMINAL SERIES

| TYPE | FEMALE   | MALE  |
|------|--|---|
| M    | <p>Wire size      0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      8,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      4A</p>        | <p>Wire size      0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      10,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      4A</p>        |
| P/N  | 4011-0046  | 4021-0049   |
| L    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      8,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>   | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      10,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>   |
| P/N  | 4011-0047  | 4021-0050   |
| M    | <p>Wire size      0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      8,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      4A</p>       | <p>Wire size      0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      10,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      4A</p>       |
| P/N  | 4011-0046-4  | 4021-0049-4   |
| L    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      8,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>  | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      10,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>  |
| P/N  | 4011-0047-4  | 4021-0050-4   |

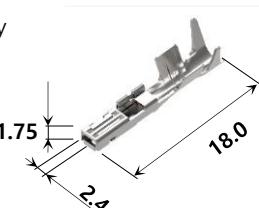
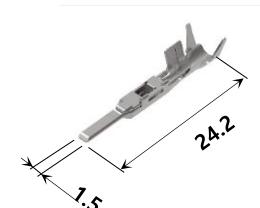
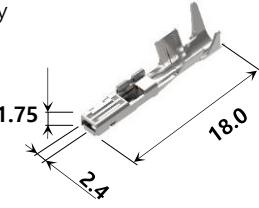
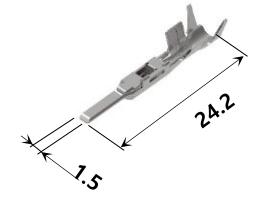
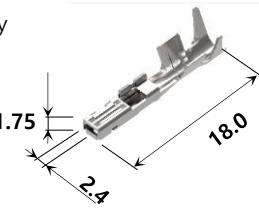
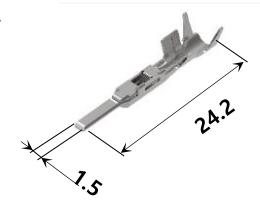
# CONNECTOR

## 025 II TERMINAL SERIES

| TYPE | FEMALE  | MALE   |
|------|---|--|
| S    | <p>Wire size      0.13 ~ 0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p>  <p>Reel      7,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      4A</p> | <p>Wire size      0.13 ~ 0.22 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p>  <p>Reel      9,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      4A</p> |
| P/N  | TKCA0-02622   | TKCA0-02612  |
| M    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p>  <p>Reel      7,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>   | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p>  <p>Reel      9,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>   |
| P/N  | TKC12-02622   | TKC12-02612  |

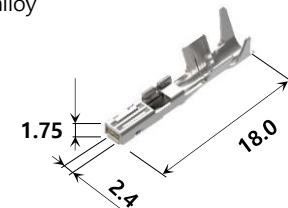
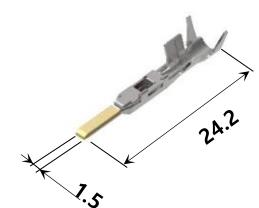
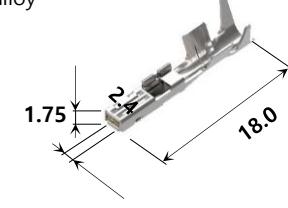
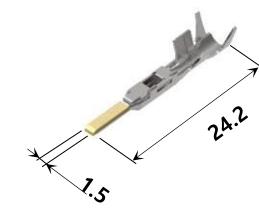
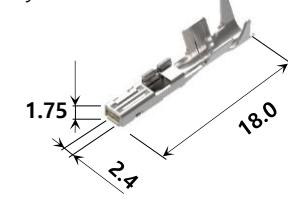
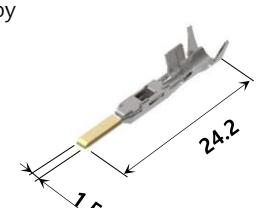
# CONNECTOR

## 060 TERMINAL SERIES

| TYPE | FEMALE  | MALE   |
|------|---|--|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      6,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      7,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>      |
| P/N  | 8240-0345   | 8230-5133  |
| M    | <p>Wire size      0.85 ~ 1.25sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      5,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      6,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>   |
| P/N  | 8240-0346   | 8230-5134  |
| L    | <p>Wire size      2.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      18A</p>       | <p>Wire size      2.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      5,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      18A</p>  |
| P/N  | 8240-0347   | 8230-5135  |

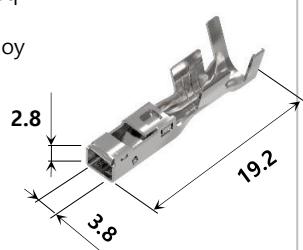
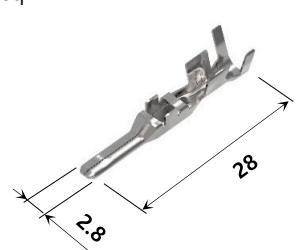
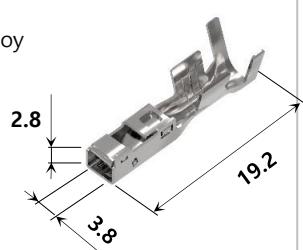
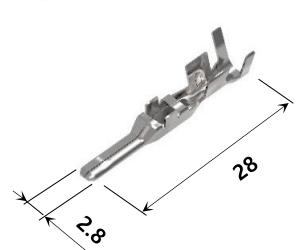
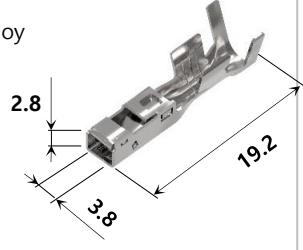
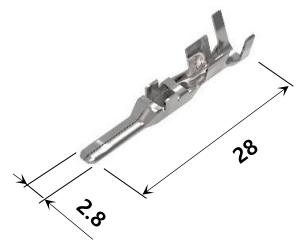
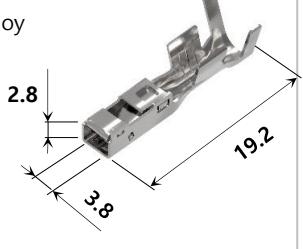
# CONNECTOR

## 060 TERMINAL SERIES

| TYPE | FEMALE  | MALE  |
|------|---|---|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      6,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>     | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Brass</p> <p>Plating      Au</p> <p>Reel      7,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>      |
| P/N  | 8240-0506   | 8230-5372   |
| M    | <p>Wire size      0.85 ~ 1.25sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      5,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Brass</p> <p>Plating      Au</p> <p>Reel      6,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>   |
| P/N  | 8240-0507   | 8230-5373   |
| L    | <p>Wire size      2.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      18A</p>        | <p>Wire size      2.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      5,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      18A</p>  |
| P/N  | 8240-0508   | 8230-5374   |

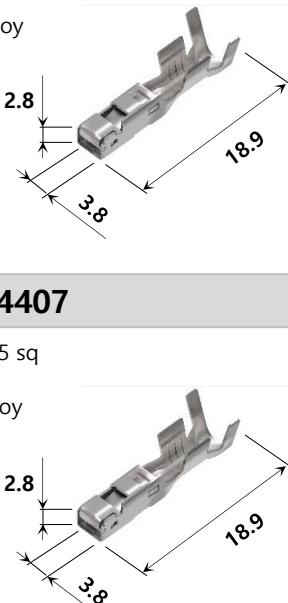
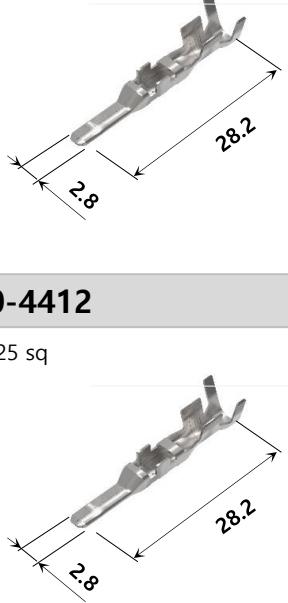
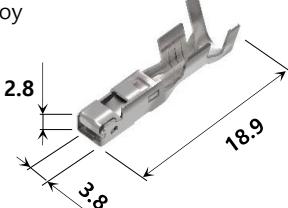
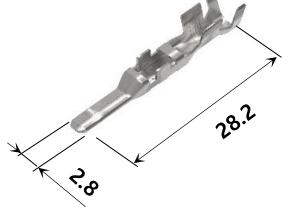
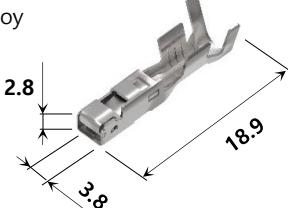
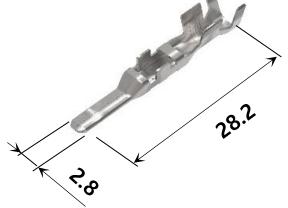
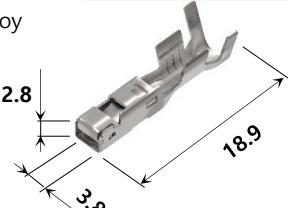
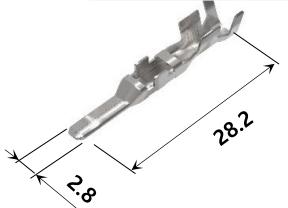
# CONNECTOR

## KS 110 TERMINAL SERIES

| TYPE | FEMALE   | MALE  |
|------|--|---|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      8A</p>      | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      8A</p>      |
| P/N  | TKC12-11022  | TKC12-11012   |
| M    | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      14A</p>  |
| P/N  | TKC34-11022  | TKC34-11012   |
| L    | <p>Wire size      2.0 ~ 4.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      24A</p>   | <p>Wire size      2.0 ~ 4.0 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      24A</p>   |
| P/N  | TKC56-11022  | TKC56-11012   |
| HL   | <p>Wire size      2.0 ~ 4.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      24A</p>   |   |
| P/N  | TKC56-11002  |   |

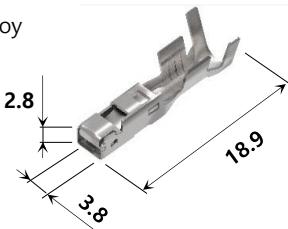
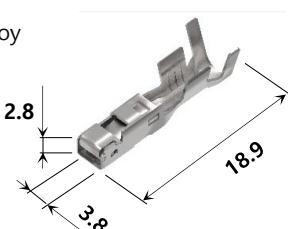
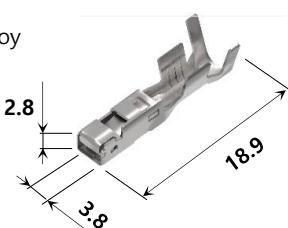
# CONNECTOR

## US 110 TERMINAL 0.64T SERIES

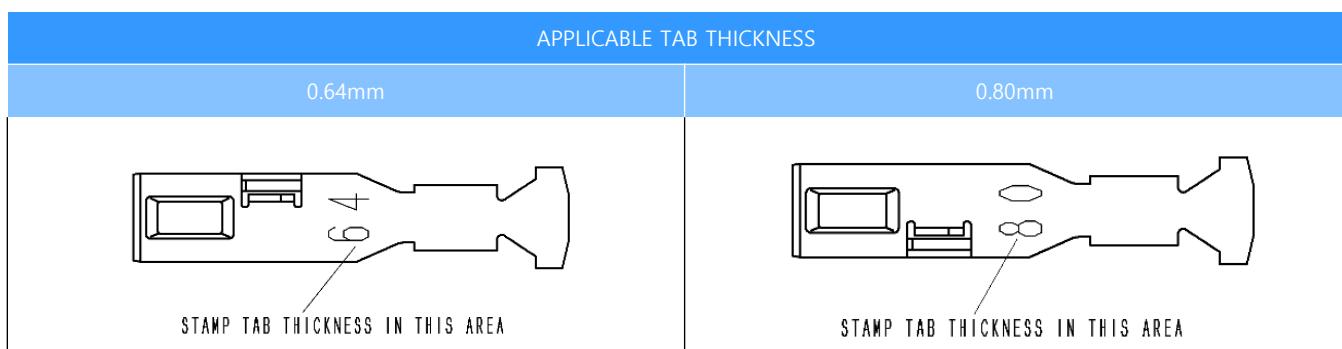
| TYPE | FEMALE  | MALE   |
|------|---|--|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      8A</p>     | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      8A</p>     |
| P/N  | 8100-4407   | 8100-4412  |
| M    | <p>Wire size      0.75 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.75 ~ 1.25 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      14A</p>  |
| P/N  | 8100-4408   | 8100-4413  |
| L    | <p>Wire size      1.5 ~ 3.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      22A</p>  | <p>Wire size      1.5 ~ 3.0 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      22A</p>  |
| P/N  | 8100-4409   | 8100-4414  |
| LK   | <p>Wire size      2.0 ~ 3.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      22A</p>  | <p>Wire size      2.0 ~ 3.0 sq</p> <p>Material      Brass</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      22A</p>  |
| P/N  | 8240-0397   | 8230-5220  |

# CONNECTOR

## US 110 TERMINAL 0.8T SERIES

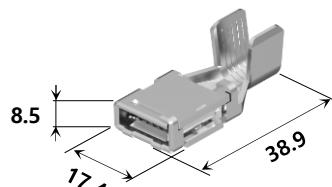
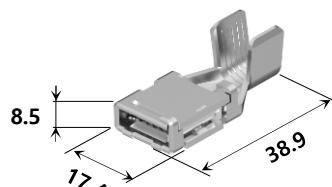
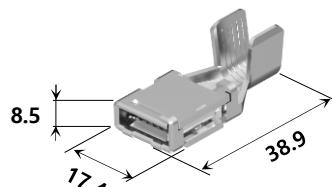
| TYPE | FEMALE  | MALE |
|------|---|------|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      8A</p>     |      |
| P/N  | 8100-4443   |      |
| M    | <p>Wire size      0.75 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      14A</p>  |      |
| P/N  | 8100-4444   |      |
| L    | <p>Wire size      1.5 ~ 3.0 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      2,500 ea</p> <p>Thickness      0.3 mm</p> <p>Current Range      22A</p>  |      |
| P/N  | 8100-4445   |      |

※ US 110 TML TAB두께에 따른 적용 사양 위치표지



# CONNECTOR

## 512 TERMINAL SERIES

| TYPE               | FEMALE   |
|--------------------|--|
| S<br>(RIGHT ANGLE) | <p>Wire size 12 sq</p> <p>Material Copper alloy</p> <p>Plating Ag</p> <p>Reel 480 ea</p> <p>Thickness 1.5 mm</p> <p>Current Range 70A</p>          |
| P/N                | TKC07-52222  |
| M<br>(RIGHT ANGLE) | <p>Wire size 15 sq ~ 20 sq</p> <p>Material Copper alloy</p> <p>Plating Ag</p> <p>Reel 480 ea</p> <p>Thickness 1.5 mm</p> <p>Current Range 85A</p>  |
| P/N                | TKC04-52222  |
| L<br>(RIGHT ANGLE) | <p>Wire size 25 sq</p> <p>Material Copper alloy</p> <p>Plating Ag</p> <p>Reel 480 ea</p> <p>Thickness 1.5 mm</p> <p>Current Range 100A</p>       |
| P/N                | TKC03-52222  |

# CONNECTOR

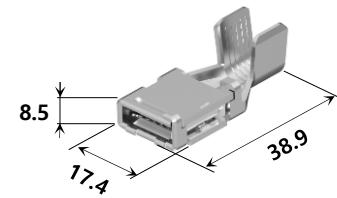
## 512 TERMINAL SERIES

### TYPE

### FEMALE

S

|               |              |
|---------------|--------------|
| Wire size     | 12 sq        |
| Material      | Copper alloy |
| Plating       | Ag           |
| Reel          | 480 ea       |
| Thickness     | 1.5 mm       |
| Current Range | 70A          |

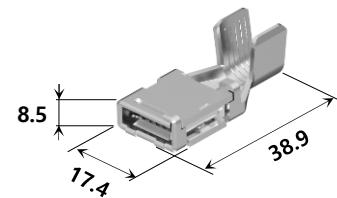


### P/N

TKC07-51322

L

|               |              |
|---------------|--------------|
| Wire size     | 25 sq        |
| Material      | Copper alloy |
| Plating       | Ag           |
| Reel          | 480 ea       |
| Thickness     | 1.5 mm       |
| Current Range | 100A         |



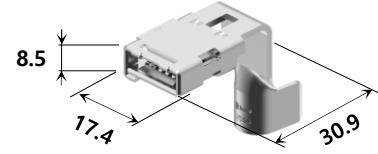
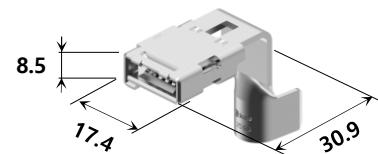
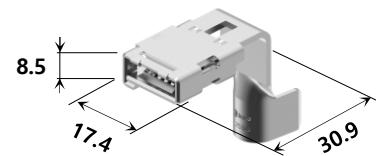
### P/N

TKC03-51222

# CONNECTOR

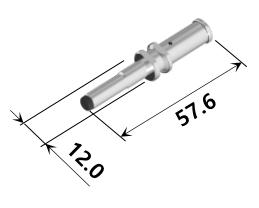
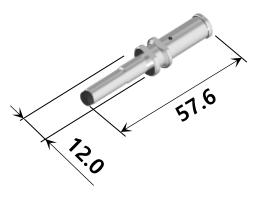
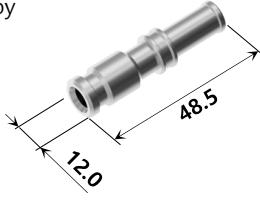
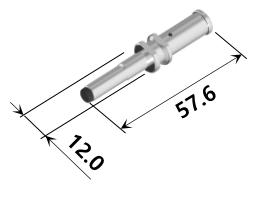
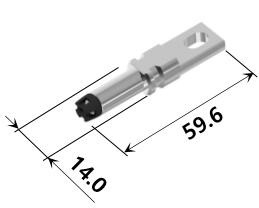
## 512 TERMINAL SERIES

| TYPE         | FEMALE  |
|--------------|---|
| S<br>(ANGLE) | <p>Wire size 12 sq</p> <p>Material Copper alloy</p> <p>Plating Ag</p> <p>Reel 440 ea</p> <p>Thickness 1.5 mm</p> <p>Current Range 70A</p>         |
| P/N          | TKC07-51122   |
| M<br>(ANGLE) | <p>Wire size 15 sq ~ 20 sq</p> <p>Material Copper alloy</p> <p>Plating Ag</p> <p>Reel 440 ea</p> <p>Thickness 1.5 mm</p> <p>Current Range 85A</p> |
| P/N          | TKC05-51122   |
| L<br>(ANGLE) | <p>Wire size 25 sq</p> <p>Material Copper alloy</p> <p>Plating Ag</p> <p>Reel 440 ea</p> <p>Thickness 1.5 mm</p> <p>Current Range 100A</p>        |
| P/N          | TKC03-51122   |



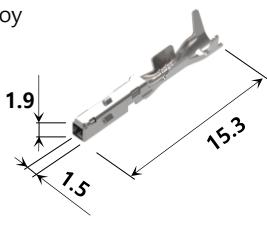
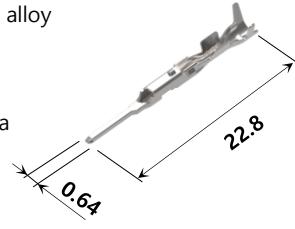
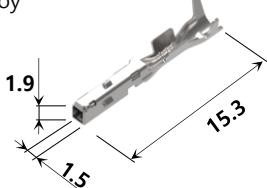
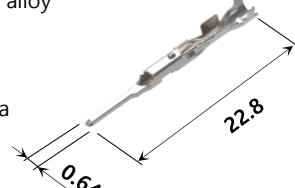
# CONNECTOR

## ROUND TERMINAL SERIES

| TYPE | FEMALE  | MALE  |
|------|---|---|
| S    | <p>Wire size      15 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      315 ea</p> <p>Thickness      -</p> <p>Current Range      75A</p>     | <p>Wire size      15 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      315 ea</p> <p>Thickness      -</p> <p>Current Range      75A</p>     |
| P/N  | 4011-0059   | 4021-0060   |
| M    | <p>Wire size      20 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      315 ea</p> <p>Thickness      -</p> <p>Current Range      85A</p>    | <p>Wire size      20 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      315 ea</p> <p>Thickness      -</p> <p>Current Range      85A</p>    |
| P/N  | 4011-0065   | 4021-0066   |
| L    | <p>Wire size      25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      315 ea</p> <p>Thickness      -</p> <p>Current Range      100A</p>  | <p>Wire size      25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      315 ea</p> <p>Thickness      -</p> <p>Current Range      100A</p>  |
| P/N  | 4011-0077   | 4021-0078   |
| M    | <p>Wire size      40 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      150 ea</p> <p>Thickness      -</p> <p>Current Range      200A</p>  | <p>Wire size      40 sq</p> <p>Material      Copper alloy</p> <p>Plating      Ag</p> <p>Reel      150 ea</p> <p>Thickness      -</p> <p>Current Range      200A</p>  |
| P/N  | TKCXX-01025   | TKCXX-01015   |

# CONNECTOR

## 025 WP TERMINAL SERIES

| TYPE | FEMALE   | MALE   |
|------|--|--|
| S    | <p>Wire size      0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      7,000 ea</p> <p>Thickness      0.2 mm</p> <p>Current Range      4A</p>       | <p>Wire size      0.22 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      7,000 ea</p> <p>Thickness      0.2 mm</p> <p>Current Range      4A</p>       |
| P/N  | TKCA0-12522  | TKC00-12512  |
| M    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      7,000 ea</p> <p>Thickness      0.2 mm</p> <p>Current Range      8A</p>  | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      7,000 ea</p> <p>Thickness      0.2 mm</p> <p>Current Range      8A</p>  |
| P/N  | TKC12-12522  | TKC12-12512  |

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |           |
|------------------------|-----------|-----------|-----------|
| Wire size              | 0.22 sq   | 0.3 sq    | 0.5 sq    |
| Wire external diameter | 1.2 ~ 1.3 | 1.4 ~ 1.5 | 1.6 ~ 1.7 |

### 적용 WIRE & DUMMY SEAL

|           |             |   |
|-----------|-------------|---|
| Wire size | 0.22 sq     |  |
| Color     | Black       |   |
| SIZE      | S           |   |
| P/N       | JKC00-12521 |   |

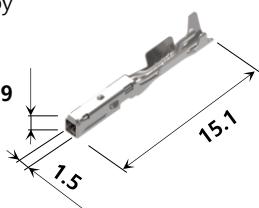
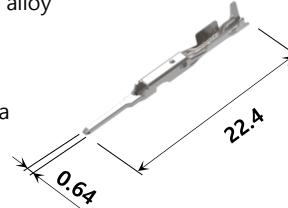
|           |             |   |
|-----------|-------------|---|
| Wire size | 0.3 sq      |  |
| Color     | Dark Green  |   |
| SIZE      | M           |   |
| P/N       | JKC00-12524 |   |

|           |             |   |
|-----------|-------------|---|
| Wire size | 0.5 sq      |  |
| Color     | Dark Blue   |   |
| SIZE      | L           |   |
| P/N       | JKC00-12527 |   |

|           |             |   |
|-----------|-------------|---|
| Wire size | -           |  |
| Color     | Dark Gray   |   |
| SIZE      | -           |   |
| P/N       | JKC00-12538 |   |

# CONNECTOR

## 025 WP II TERMINAL SERIES

| TYPE | FEMALE   | MALE  |
|------|--|---|
| M    | Wire size<br>Material<br>Plating<br>Reel<br>Thickness<br>Current Range | 0.3 ~ 0.5 SQ<br>Copper alloy<br>Tin<br>8,000 ea<br>0.2 mm<br>8A                     |
|      | Wire size<br>Material<br>Plating<br>Reel<br>Thickness<br>Current Range | 0.3~0.5 sq<br>Copper alloy<br>Tin<br>8,000 ea<br>0.2 mm<br>8A                       |
|      |  |    |
|      |  |  |
|      | P/N  | TKC12-12722   |
|      |  | TKC12-12712   |

※ 해당 단자는 FAMILY SEAL 적용으로 WIRE SEAL & DUMMY SEAL 적용하지 않음.

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |
|------------------------|-----------|-----------|
| Wire size              | 0.3 sq    | 0.5 sq    |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 |

# CONNECTOR

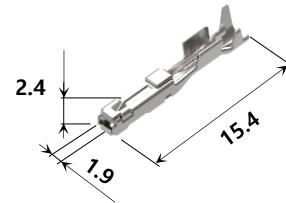
## 050 WP TERMINAL SERIES

### TYPE

### FEMALE

**S**

|               |              |
|---------------|--------------|
| Wire size     | 0.3 ~ 0.5 sq |
| Material      | Copper alloy |
| Plating       | Tin          |
| Reel          | 6,500 ea     |
| Thickness     | 0.25 mm      |
| Current Range | 8A           |

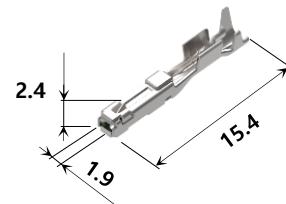


### P/N

TKC12-12222

**M**

|               |              |
|---------------|--------------|
| Wire size     | 0.85 sq      |
| Material      | Copper alloy |
| Plating       | Tin          |
| Reel          | 6,500 ea     |
| Thickness     | 0.25 mm      |
| Current Range | 10A          |



### P/N

TKC33-12222

※ 해당 단자는 FAMILY SEAL 적용으로 WIRE SEAL & DUMMY SEAL 적용하지 않음.

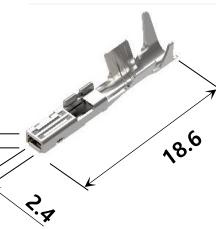
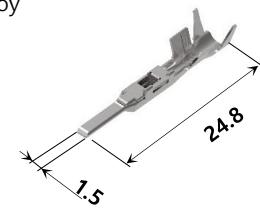
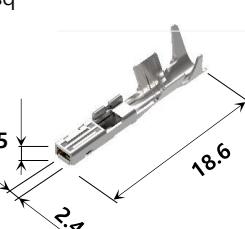
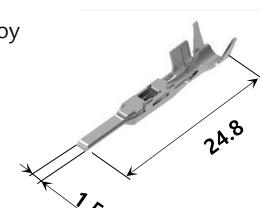
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|                        |           |           |           |
|------------------------|-----------|-----------|-----------|
| Wire size              | 0.3 sq    | 0.5 sq    | 0.85 sq   |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 |

# CONNECTOR

4.5 pitch

## SWS 060 WP TERMINAL SERIES

| TYPE | FEMALE   | MALE   |
|------|--|--|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>     | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      3,500 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>     |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
| P/N  | 8240-0438  | 8230-5265  |
| M    | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      3,500 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
| P/N  | 8240-0439  | 8230-5266  |

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|
| Wire size              | 0.3 sq    | 0.5 sq    | 0.85 sq   | 1.25 sq   |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 | 2.1 ~ 2.2 |

### 적용 WIRE & DUMMY SEAL

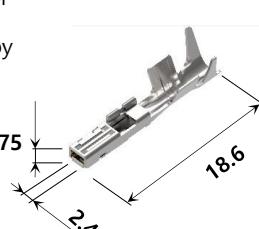
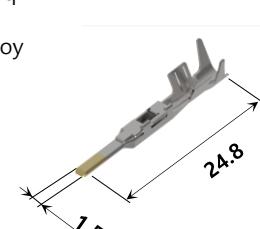
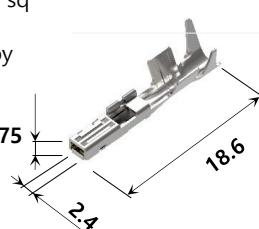
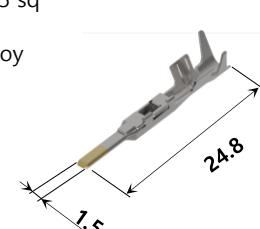
|           |               |   |
|-----------|---------------|---|
| Wire size | 0.3 ~ 0.5 sq  |  |
| Color     | Reddish Brown |   |
| SIZE      | M             |   |
| P/N       | 7165-1518     |   |

|           |                |   |
|-----------|----------------|---|
| Wire size | 0.85 ~ 1.25 sq |  |
| Color     | Green          |   |
| SIZE      | L              |   |
| P/N       | 7165-1519      |   |

# CONNECTOR

4.5 pitch

## SWS 060 WP TERMINAL SERIES

| TYPE | FEMALE  | MALE  |
|------|---|---|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>     | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      3,500 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>     |
|      |   |   |
|      |   |   |
|      |   |   |
|      |   |   |
|      |   |   |
| P/N  | 8240-0441   | 8230-5268   |
| M    | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Au</p> <p>Reel      3,500 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  |
| P/N  | 8240-0442   | 8230-5269   |

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|
| Wire size              | 0.3 sq    | 0.5 sq    | 0.85 sq   | 1.25 sq   |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 | 2.1 ~ 2.2 |

### 적용 WIRE & DUMMY SEAL

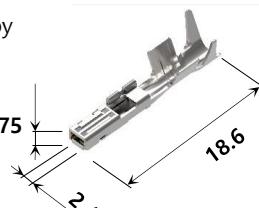
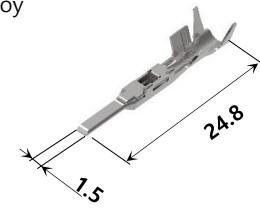
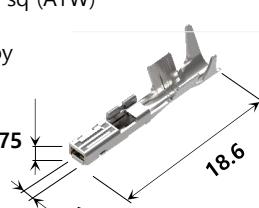
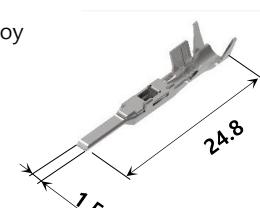
|           |               |   |
|-----------|---------------|---|
| Wire size | 0.3 ~ 0.5 sq  |  |
| Color     | Reddish Brown |   |
| SIZE      | M             |   |
| P/N       | 7165-1518     |   |

|           |                |   |
|-----------|----------------|---|
| Wire size | 0.85 ~ 1.25 sq |  |
| Color     | Green          |   |
| SIZE      | L              |   |
| P/N       | 7165-1519      |   |

# CONNECTOR

4.0 pitch

## SWS 060 WP TERMINAL SERIES

| TYPE | FEMALE   | MALE   |
|------|--|--|
| S    | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>           | <p>Wire size      0.3 ~ 0.5 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      3,500 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      8A</p>     |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
| P/N  | 8240-0438  | 8230-5265  |
| M    | <p>Wire size      0.85 ~ 1.25 sq (ATW)</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      4,000 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  | <p>Wire size      0.85 ~ 1.25 sq</p> <p>Material      Copper alloy</p> <p>Plating      Tin</p> <p>Reel      3,500 ea</p> <p>Thickness      0.25 mm</p> <p>Current Range      14A</p>  |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
|      |  |  |
| P/N  | 8240-0660  | 8230-5266  |

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|
| Wire size              | 0.3 sq    | 0.5 sq    | 0.85 sq   | 1.25 sq   |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 | 2.1 ~ 2.2 |

### 적용 WIRE & DUMMY SEAL

|           |              |   |
|-----------|--------------|---|
| Wire size | 0.3 ~ 0.5 sq |  |
| Color     | Black        |   |
| SIZE      | S            |   |
| P/N       | JKC00-15001  |   |

|           |             |   |
|-----------|-------------|---|
| Wire size | 0.85 sq     |  |
| Color     | Dark Blue   |   |
| SIZE      | M           |   |
| P/N       | JKC00-15007 |   |

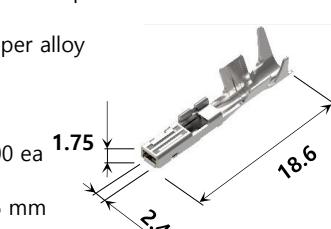
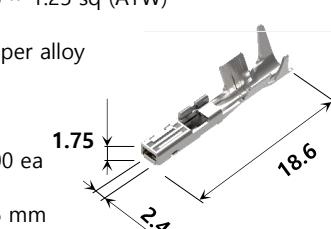
|           |             |   |
|-----------|-------------|---|
| Wire size | 1.25 sq     |  |
| Color     | Dark Gray   |   |
| SIZE      | L           |   |
| P/N       | JKC00-15008 |   |

|           |           |   |
|-----------|-----------|---|
| Wire size | -         |  |
| Color     | Green     |   |
| SIZE      | -         |   |
| P/N       | 3021-0028 |   |

# CONNECTOR

4.0 pitch

## SWS 060 WP TERMINAL SERIES

| TYPE | FEMALE                            |   |  |
|------|-----------------------------------|---|--|
| S    | Wire size<br>0.3 ~ 0.5 sq         |  |  |
|      | Material<br>Copper alloy          |   |  |
|      | Plating<br>Au                     |   |  |
|      | Reel<br>4,000 ea                  |   |  |
|      | Thickness<br>0.25 mm              |   |  |
|      | Current Range<br>8A               |   |  |
| P/N  | 8240-0441                         |   |  |
| M    | Wire size<br>0.85 ~ 1.25 sq (ATW) |  |  |
|      | Material<br>Copper alloy          |   |  |
|      | Plating<br>Au                     |   |  |
|      | Reel<br>4,000 ea                  |   |  |
|      | Thickness<br>0.25 mm              |   |  |
|      | Current Range<br>14A              |   |  |
| P/N  | 8240-0659                         |   |  |
| P/N  | 8230-5269                         |   |  |

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                                     |           |           |           |
|-------------------------------------|-----------|-----------|-----------|
| Wire size<br>0.3 sq                 | 0.5 sq    | 0.85 sq   | 1.25 sq   |
| Wire external diameter<br>1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 | 2.1 ~ 2.2 |

### 적용 WIRE & DUMMY SEAL

|                           |                |           |                    |   |
|---------------------------|----------------|-----------|--------------------|---|
| Wire size<br>0.3 ~ 0.5 sq | Color<br>Black | SIZE<br>S | P/N<br>JKC00-15001 |  |
|---------------------------|----------------|-----------|--------------------|---|

|                      |                    |           |                    |   |
|----------------------|--------------------|-----------|--------------------|---|
| Wire size<br>0.85 sq | Color<br>Dark Blue | SIZE<br>M | P/N<br>JKC00-15007 |  |
|----------------------|--------------------|-----------|--------------------|---|

|                      |                    |           |                    |   |
|----------------------|--------------------|-----------|--------------------|---|
| Wire size<br>1.25 sq | Color<br>Dark Gray | SIZE<br>L | P/N<br>JKC00-15008 |  |
|----------------------|--------------------|-----------|--------------------|---|

|                  |   |
|------------------|---|
| Wire size<br>-   |  |
| Color<br>Green   |   |
| SIZE<br>-        |   |
| P/N<br>3021-0028 |   |

# CONNECTOR

## 110 WP TERMINAL SERIES

### TYPE

### FEMALE

S

|               |                    |
|---------------|--------------------|
| Wire size     | 0.3 sq             |
| Material      | Copper alloy + SUS |
| Plating       | Pre Tin            |
| Reel          | 3,000 ea           |
| Thickness     | 0.32 mm            |
| Current Range | 6A                 |

|               |                    |
|---------------|--------------------|
| Wire size     | 0.3 sq             |
| Material      | Copper alloy + SUS |
| Plating       | Au                 |
| Reel          | 3,000 ea           |
| Thickness     | 0.32 mm            |
| Current Range | 6A                 |

P/N

TKC11-11102

TKC11-11106

M

|               |                    |
|---------------|--------------------|
| Wire size     | 0.5 ~ 0.85 sq      |
| Material      | Copper alloy + SUS |
| Plating       | Pre Tin            |
| Reel          | 3,000 ea           |
| Thickness     | 0.32 mm            |
| Current Range | 10A                |

|               |                    |
|---------------|--------------------|
| Wire size     | 0.5 ~ 0.85 sq      |
| Material      | Copper alloy + SUS |
| Plating       | Au                 |
| Reel          | 3,000 ea           |
| Thickness     | 0.32 mm            |
| Current Range | 10A                |

P/N

TKC23-11102

TKC23-11106

L

|               |                    |
|---------------|--------------------|
| Wire size     | 1.25 ~ 2.5 sq      |
| Material      | Copper alloy + SUS |
| Plating       | Pre Tin            |
| Reel          | 3,000 ea           |
| Thickness     | 0.32 mm            |
| Current Range | 20A                |

|               |                    |
|---------------|--------------------|
| Wire size     | 1.25 ~ 2.5 sq      |
| Material      | Copper alloy + SUS |
| Plating       | Au                 |
| Reel          | 3,000 ea           |
| Thickness     | 0.32 mm            |
| Current Range | 20A                |

P/N

TKC46-11102

TKC46-11106

※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |           |           |         |         |
|------------------------|-----------|-----------|-----------|-----------|---------|---------|
| Wire size              | 0.3 sq    | 0.5 sq    | 0.85 sq   | 1.25 sq   | 2.0 sq  | 2.5 sq  |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 | 2.1 ~ 2.2 | 2.6~2.7 | 2.9~3.1 |

적용 WIRE & DUMMY SEAL

|           |               |  |
|-----------|---------------|--|
| Wire size | 0.3 ~ 0.85 sq |  |
| Color     | Reddish Brown |  |
| SIZE      | S             |  |
| P/N       | JKC00-11106   |  |

|           |               |  |
|-----------|---------------|--|
| Wire size | 1.25 ~ 2.0 sq |  |
| Color     | Black         |  |
| SIZE      | M             |  |
| P/N       | JKC00-11101   |  |

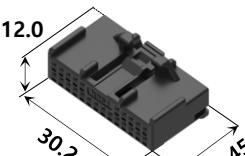
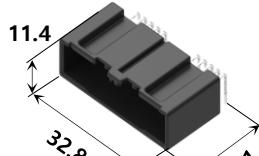
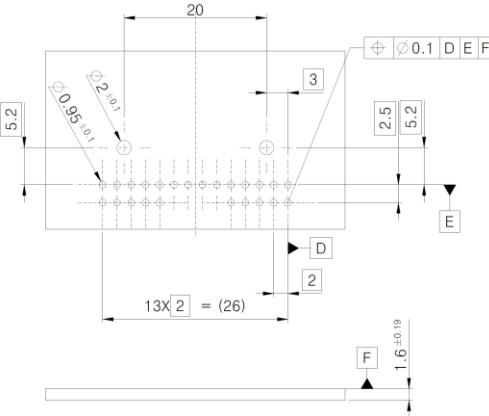
|           |             |  |
|-----------|-------------|--|
| Wire size | 2.5 sq      |  |
| Color     | GRAY        |  |
| SIZE      | L           |  |
| P/N       | JKC00-11108 |  |

|           |             |  |
|-----------|-------------|--|
| Wire size | -           |  |
| Color     | Blue        |  |
| SIZE      | -           |  |
| P/N       | JKC00-53437 |  |

# CONNECTOR

020 SERIES

## WIRE TO PCB

| Poles                  | FEMALE  | MALE  | PANEL  |
|------------------------|---|---|--|
| <b>24P</b><br>020: 24P |  |  |  |
| P/N                    | 5011-0455   | 5021-0458   |  |

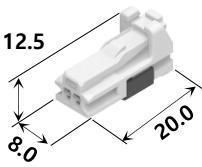
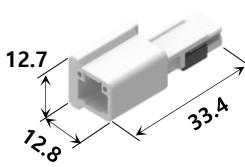
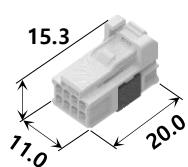
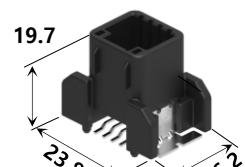
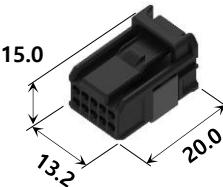
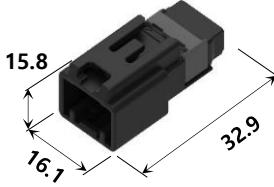
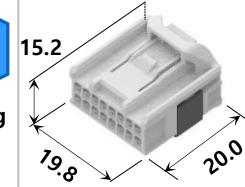
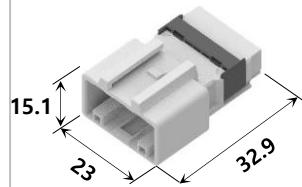
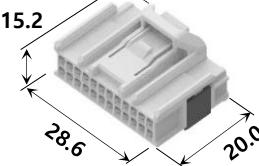
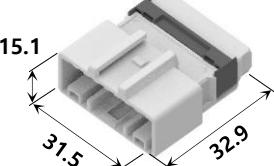
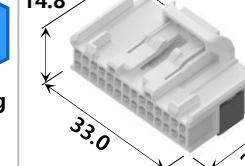
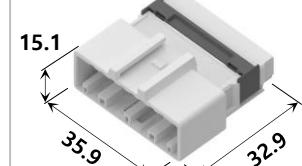
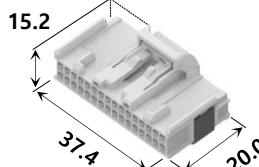
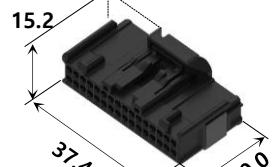
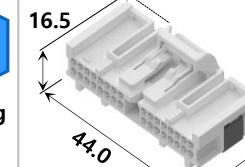
### 적용 TML

| TML |      | 020       |             |
|-----|------|-----------|-------------|
| 구분  | Size | SQ        | P/No        |
| F   | SS   | 0.13~0.22 | TKCBB-02022 |
|     | M    | 0.3       | TKC11-02022 |
| M   | SS   | 0.13      | TKCAA-02012 |

# CONNECTOR

025 SERIES

## WIRE TO WIRE & UNIT

| Poles                             | FEMALE  | MALE  | Poles                            | FEMALE   | MALE  |
|-----------------------------------|---|---|----------------------------------|--|---|
| <b>2P</b><br>Coding Color<br>□ ■  |    |    | <b>8P</b><br>Coding Color<br>□ ■ |    |    |
| P/N                               | HKC02-02522   | HKC02-02512   | P/N                              | HKC08-02522  | HKC08-02411   |
| <b>10P</b><br>Coding Color<br>□ ■ |    |    | <b>16P</b><br>Coding Color<br>□  |    |    |
| P/N                               | 5011-0073-2   | 5021-0075-2   | P/N                              | 5011-0001  | 5021-0003   |
| <b>24P</b><br>Coding Color<br>□ ■ |   |   | <b>28P</b><br>Coding Color<br>□  |   |   |
| P/N                               | 5011-0017   | 5021-0163   | P/N                              | 5011-0020  | 5021-0037   |
| <b>32F</b>                        |  |  | <b>32P</b><br>Coding Color<br>□  |  |  |
| P/N                               | 5011-0023   | 5011-0137-2   | P/N                              | 5011-0422  | 5021-0425   |

### 적용 TML

| Type | 구분 | Size | SQ      | P/No      |
|------|----|------|---------|-----------|
| TML  | F  | M    | 0.22    | 4011-0046 |
|      |    | L    | 0.3~0.5 | 4011-0047 |
|      | M  | M    | 0.22    | 4021-0049 |
|      |    | L    | 0.3~0.5 | 4021-0050 |

### 적용 CLIP [025 10M (5021-0075-2) 제외]

| TYPE    | P/No        | 판넬 두께    | CLIP 폭 |
|---------|-------------|----------|--------|
| KEYHOLE | 5051-0366-2 | 0.7~1.6T | 9.2mm  |
| SLOT A  | 5051-0363-2 | 0.7~1.6T |        |
| SLOT D  | IKC11-00291 | 1.7~2.6T |        |

### 적용 CLIP [025 10M (5021-0075-2)]

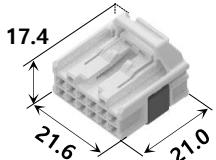
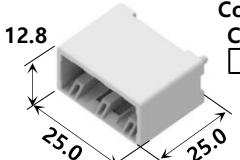
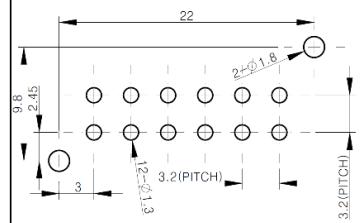
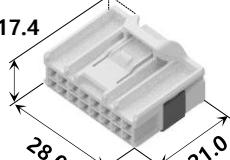
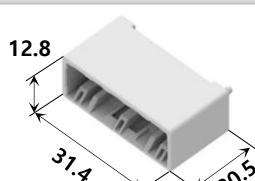
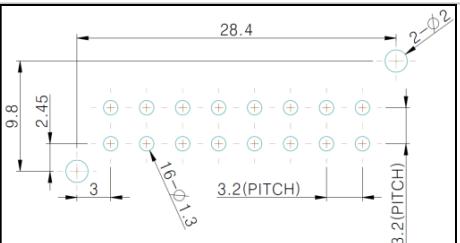
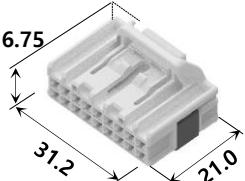
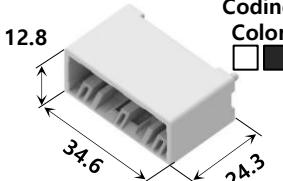
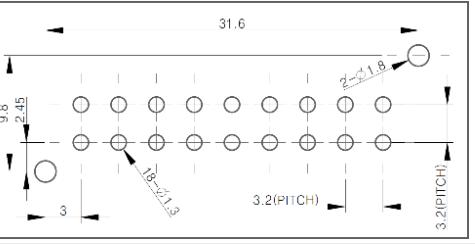
| TYPE   | P/No        | 판넬 두께    | CLIP 폭 |
|--------|-------------|----------|--------|
| SLOT E | IKC11-00701 | 0.7~1.6T | 9.1mm  |

※ 타 커넥터 호환 불가

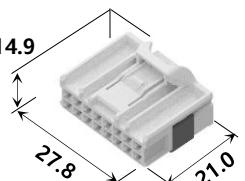
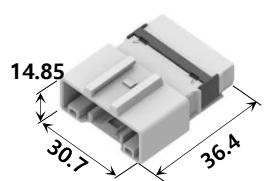
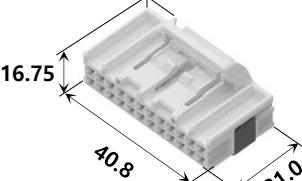
# CONNECTOR

060 SERIES

## 1) PCB TYPE

| Poles | FEMALE   | MALE   | PCB LAYOUT  |
|-------|--|--|---|
| 12P   |   |   |   |
| P/N   | 5011-0226  | 5021-0229  |   |
| 16P   |   |   |   |
| P/N   | 5011-0231  | 5021-0234  |   |
| 18P   |  |  |  |
| P/N   | 5011-0121  | 5021-0124  |   |

## 2) WIRE TO WIRE & UNIT

| Poles | FEMALE  | MALE  | Poles | FEMALE   |
|-------|---|---|-------|--|
| 16P   |  |  | 24F   |  |
| P/N   | 5011-0006   | 5021-0008   | P/N   | 5011-0102  |

### 적용 TML

| TYPE | 구분 | Size | SQ          | P/No      | 비고       |
|------|----|------|-------------|-----------|----------|
| TML  | F  | S    | 0.3~0.5     | 8240-0345 | W TO W   |
|      |    | M    | 0.85 ~ 1.25 | 8240-0346 |          |
|      |    | L    | 2.0         | 8240-0347 |          |
|      | M  | S    | 0.3~0.5     | 8230-5133 |          |
|      |    | M    | 0.85 ~ 1.25 | 8230-5134 |          |
|      |    | L    | 2.0         | 8230-5135 |          |
|      |    | -    | -           | 4131-0026 | W TO PCB |

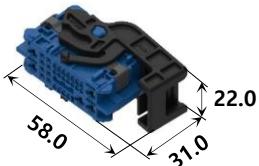
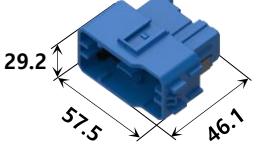
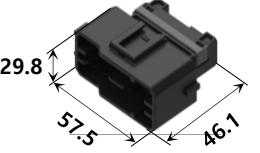
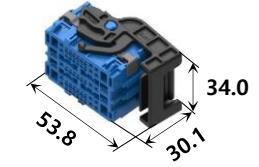
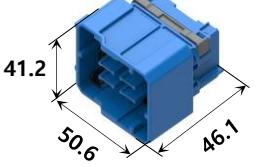
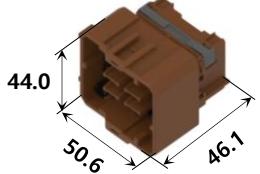
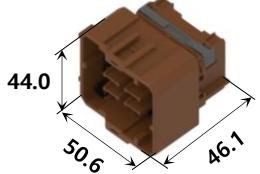
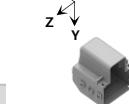
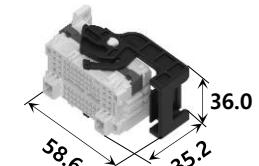
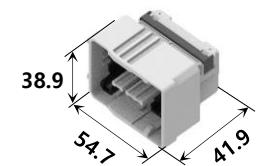
### 적용 CLIP

| TYPE    | P/No        | 판넬 두께    | CLIP 폭 |
|---------|-------------|----------|--------|
| KEYHOLE | 5051-0366-2 | 0.7~1.6T | 9.2mm  |
| SLOT A  | 5051-0363-2 | 0.7~1.6T |        |
| SLOT D  | IKC11-00291 | 1.7~2.6T |        |

# CONNECTOR

## HYBRID SERIES-LIF TYPE

### WIRE TO WIRE

| Poles  | FEMALE  | MALE  | 적용 TML  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|--|---|---|---|-------|------|--------------|---------|-------------|-------------|-----------|-------------|----------|-------------|-------------|-------------|--------|-------------|----------|-------------|-------------|-------------|------------|-------------|----------|----|-------------|-------------|--|---|---------|-------------|
| <b>LIF 31P</b><br><u>025: 18P</u><br><u>060: 8P</u><br>KS110: 5P | <br>58.0 x 31.0 x 22.0   | <br>26.8 x 55.5 x 46.1<br><b>5021-0433-8</b>   | <table border="1"><thead><tr><th>구분</th><th>Size</th><th>SQ</th><th>P/No</th></tr></thead><tbody><tr><td>F</td><td>M</td><td>0.22</td><td>4011-0046</td></tr><tr><td></td><td>L</td><td>0.3~0.5</td><td>4011-0047</td></tr><tr><td>M</td><td>M</td><td>0.22</td><td>4021-0049</td></tr><tr><td></td><td>L</td><td>0.3~0.5</td><td>4021-0050</td></tr></tbody></table>   | 구분    | Size | SQ           | P/No    | F           | M           | 0.22      | 4011-0046   |          | L           | 0.3~0.5     | 4011-0047   | M      | M           | 0.22     | 4021-0049   |             | L           | 0.3~0.5    | 4021-0050   |          |    |             |             |  |   |         |             |
| 구분   | Size  | SQ  | P/No  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| F  | M   | 0.22  | 4011-0046   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | L   | 0.3~0.5   | 4011-0047   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| M  | M   | 0.22  | 4021-0049   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | L   | 0.3~0.5   | 4021-0050   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>5011-0429-8</b>   | <b>HKC31-66137</b>  | <br>29.2 x 57.5 x 46.1                         | <table border="1"><thead><tr><th>구분</th><th>Size</th><th>SQ</th><th>P/No</th></tr></thead><tbody><tr><td>F</td><td>S</td><td>0.3~0.5</td><td>8240-0345</td></tr><tr><td></td><td>M</td><td>0.85 ~ 1.25</td><td>8240-0346</td></tr><tr><td></td><td>L</td><td>2.0</td><td>8240-0347</td></tr><tr><td>M</td><td>S</td><td>0.3~0.5</td><td>8230-5133</td></tr><tr><td></td><td>M</td><td>0.85 ~ 1.25</td><td>8230-5134</td></tr><tr><td></td><td>L</td><td>2.0</td><td>8230-5135</td></tr></tbody></table>                         | 구분    | Size | SQ           | P/No    | F           | S           | 0.3~0.5   | 8240-0345   |          | M           | 0.85 ~ 1.25 | 8240-0346   |        | L           | 2.0      | 8240-0347   | M           | S           | 0.3~0.5    | 8230-5133   |          | M  | 0.85 ~ 1.25 | 8230-5134   |  | L | 2.0     | 8230-5135   |
| 구분   | Size  | SQ  | P/No  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| F  | S   | 0.3~0.5   | 8240-0345   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | M   | 0.85 ~ 1.25   | 8240-0346   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | L   | 2.0   | 8240-0347   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| M  | S   | 0.3~0.5   | 8230-5133   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | M   | 0.85 ~ 1.25   | 8230-5134   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | L   | 2.0   | 8230-5135   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>5011-0429-2</b>   | <b>HKC31-66151</b>  | <br>29.8 x 57.5 x 46.1                        | <table border="1"><thead><tr><th>구분</th><th>Size</th><th>SQ</th><th>P/No</th></tr></thead><tbody><tr><td>F</td><td>S</td><td>0.3 ~ 0.5</td><td>TKC12-11022</td></tr><tr><td></td><td>M</td><td>0.85 ~ 1.25</td><td>TKC34-11022</td></tr><tr><td></td><td>L</td><td>2.0~4.0</td><td>TKC56-11022</td></tr><tr><td>M</td><td>S</td><td>0.3 ~ 0.5</td><td>TKC12-11012</td></tr><tr><td></td><td>M</td><td>0.85 ~ 1.25</td><td>TKC34-11012</td></tr><tr><td></td><td>L</td><td>2.0~4.0</td><td>TKC56-11012</td></tr></tbody></table> | 구분    | Size | SQ           | P/No    | F           | S           | 0.3 ~ 0.5 | TKC12-11022 |          | M           | 0.85 ~ 1.25 | TKC34-11022 |        | L           | 2.0~4.0  | TKC56-11022 | M           | S           | 0.3 ~ 0.5  | TKC12-11012 |          | M  | 0.85 ~ 1.25 | TKC34-11012 |  | L | 2.0~4.0 | TKC56-11012 |
| 구분   | Size  | SQ  | P/No  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| F  | S   | 0.3 ~ 0.5   | TKC12-11022   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | M   | 0.85 ~ 1.25   | TKC34-11022   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | L   | 2.0~4.0   | TKC56-11022   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| M  | S   | 0.3 ~ 0.5   | TKC12-11012   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | M   | 0.85 ~ 1.25   | TKC34-11012   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | L   | 2.0~4.0   | TKC56-11012   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>LIF 49P</b><br><u>025: 30</u><br><u>060: 15</u><br>US 110: 4  | <br>53.8 x 30.1 x 34.0 | <br>41.2 x 50.6 x 46.1<br><b>5021-0317-8</b> | <table border="1"><thead><tr><th>구분</th><th>P/No</th><th>구분</th><th>P/No</th></tr></thead><tbody><tr><td>F</td><td>1-2005002-1</td><td></td><td>1897799-2</td></tr><tr><td></td><td>2-2005001-3</td><td>M</td><td>2-1897798-3</td></tr><tr><td></td><td>2005000-3</td><td></td><td>1897797-3</td></tr></tbody></table>  | 구분    | P/No | 구분           | P/No    | F           | 1-2005002-1 |           | 1897799-2   |          | 2-2005001-3 | M           | 2-1897798-3 |        | 2005000-3   |          | 1897797-3   |             |             |            |             |          |    |             |             |  |   |         |             |
| 구분   | P/No  | 구분  | P/No  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| F  | 1-2005002-1   |   | 1897799-2   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | 2-2005001-3   | M   | 2-1897798-3   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
|  | 2005000-3   |   | 1897797-3   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>5011-0313-8</b>   | <b>HKC49-66136</b>  | <br>44.0 x 50.6 x 46.1                       | <table border="1"><thead><tr><th colspan="3">COVER</th></tr><tr><th>LIF 49P</th><th colspan="2">LIF 74P</th></tr><tr><th>ITEM</th><th>P/No</th><th>ITEM</th><th>P/No</th></tr></thead><tbody><tr><td>RH(GR)</td><td>5061-0378-3</td><td>RH(GR)</td><td>5061-0446-3</td></tr><tr><td>LH(B)</td><td>5061-0379-2</td><td>LH(B)</td><td>5061-0445-2</td></tr></tbody></table>   | COVER |      |              | LIF 49P | LIF 74P     |             | ITEM      | P/No        | ITEM     | P/No        | RH(GR)      | 5061-0378-3 | RH(GR) | 5061-0446-3 | LH(B)    | 5061-0379-2 | LH(B)       | 5061-0445-2 |            |             |          |    |             |             |  |   |         |             |
| COVER  |   |   |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| LIF 49P  | LIF 74P   |   |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| ITEM   | P/No  | ITEM  | P/No  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| RH(GR)   | 5061-0378-3   | RH(GR)  | 5061-0446-3   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| LH(B)  | 5061-0379-2   | LH(B)   | 5061-0445-2   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>5011-0313-4</b>   |   | <br>44.0 x 50.6 x 46.1                       | <br>  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>LIF 74P</b><br><u>025: 56P</u><br><u>060: 16P</u><br>RF: 2P   | <br>58.6 x 35.2 x 36.0 | <br>38.9 x 54.7 x 41.9<br><b>5021-0441</b>   | <table border="1"><thead><tr><th>구분</th><th>SIZE</th><th>구분</th><th>SIZE</th></tr><tr><th>X</th><th>Y</th><th>Z</th><th>X</th><th>Y</th><th>Z</th></tr></thead><tbody><tr><td>RH</td><td>48.25</td><td>57.5</td><td>48.8</td><td>RH</td><td>61.8</td><td>36</td></tr><tr><td>LH</td><td>48.25</td><td>52.5</td><td>48.8</td><td>LH</td><td>46</td><td></td></tr></tbody></table>  | 구분    | SIZE | 구분           | SIZE    | X           | Y           | Z         | X           | Y        | Z           | RH          | 48.25       | 57.5   | 48.8        | RH       | 61.8        | 36          | LH          | 48.25      | 52.5        | 48.8     | LH | 46          |             |  |   |         |             |
| 구분   | SIZE  | 구분  | SIZE  |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| X  | Y   | Z   | X   | Y     | Z    |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| RH   | 48.25   | 57.5  | 48.8  | RH    | 61.8 | 36           |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| LH   | 48.25   | 52.5  | 48.8  | LH    | 46   |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| <b>5011-0437</b>   |   |   | <table border="1"><thead><tr><th>Type</th><th>P/No</th><th>판넬 두께 CLIP 폭</th></tr></thead><tbody><tr><td>KEYHOLE</td><td>5051-0366-2</td><td>0.7~1.6T</td></tr><tr><td>SLOT A</td><td>5051-0363-2</td><td>0.7~1.6T</td></tr><tr><td>SLOT D</td><td>IKC11-00291</td><td>1.7~2.6T</td></tr><tr><td>SLOT B</td><td>5051-0364-2</td><td>0.7~1.6T</td></tr><tr><td>SLOT C</td><td>5051-0365-2</td><td>1.7~2.6T</td></tr><tr><td>KEYHOLE(B)</td><td>IKC11-00461</td><td>0.7~1.6T</td></tr></tbody></table>                             | Type  | P/No | 판넬 두께 CLIP 폭 | KEYHOLE | 5051-0366-2 | 0.7~1.6T    | SLOT A    | 5051-0363-2 | 0.7~1.6T | SLOT D      | IKC11-00291 | 1.7~2.6T    | SLOT B | 5051-0364-2 | 0.7~1.6T | SLOT C      | 5051-0365-2 | 1.7~2.6T    | KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |    |             |             |  |   |         |             |
| Type   | P/No  | 판넬 두께 CLIP 폭  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| KEYHOLE  | 5051-0366-2   | 0.7~1.6T  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| SLOT A   | 5051-0363-2   | 0.7~1.6T  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| SLOT D   | IKC11-00291   | 1.7~2.6T  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| SLOT B   | 5051-0364-2   | 0.7~1.6T  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| SLOT C   | 5051-0365-2   | 1.7~2.6T  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |
| KEYHOLE(B)   | IKC11-00461   | 0.7~1.6T  |   |       |      |              |         |             |             |           |             |          |             |             |             |        |             |          |             |             |             |            |             |          |    |             |             |  |   |         |             |

# CONNECTOR

## HYBRID SERIES-LIF TYPE

### WIRE TO WIRE

| Poles  | FEMALE      | MALE                 |
|--|-------------|----------------------|
| <b>LIF 32P</b><br>025:22<br>060: 6<br>KS 110: 4                  |             |                      |
| P/N  | HKC32-66122 | HKC32-66112          |
| <b>LIF 44P</b><br>025:40P<br>060: 4P                             |             | <br><b>5021-0169</b> |
| P/N  | 5011-0165   | HKC44-66492          |
| <b>LIF 68P</b><br>025:52P<br>060: 16P                            |             |                      |
| P/N  | 5011-0321   | 5021-0325            |
| <b>LIF 72P</b><br>025: 50P<br>060: 18P<br>250 : 2P<br>ETN: 1PORT |             |                      |
| P/N  | HKC72-85122 | HKC72-85112          |
| <b>LIF 82P</b><br>025:62P<br>060: 16P<br>ETN: 2PORT              |             |                      |
| P/N  | HKC82-85223 | HKC82-85213          |

#### 적용 TML

| 025 |      |         |           |
|-----|------|---------|-----------|
| 구분  | Size | SQ      | P/No      |
| F   | M    | 0.22    | 4011-0046 |
|     | L    | 0.3~0.5 | 4011-0047 |
| M   | M    | 0.22    | 4021-0049 |
|     | L    | 0.3~0.5 | 4021-0050 |

| 060 |      |             |           |
|-----|------|-------------|-----------|
| 구분  | Size | SQ          | P/No      |
| F   | S    | 0.3~0.5     | 8240-0345 |
|     | M    | 0.85 ~ 1.25 | 8240-0346 |
| M   | L    | 2.0         | 8240-0347 |
|     | S    | 0.3~0.5     | 8230-5133 |
| M   | M    | 0.85 ~ 1.25 | 8230-5134 |
|     | L    | 2.0         | 8230-5135 |

| KS 110 |      |             |             |
|--------|------|-------------|-------------|
| 구분     | Size | SQ          | P/No        |
| F      | S    | 0.3 ~ 0.5   | TKC12-11022 |
|        | M    | 0.85 ~ 1.25 | TKC34-11022 |
| M      | L    | 2.0~4.0     | TKC56-11022 |
|        | S    | 0.3 ~ 0.5   | TKC12-11012 |
| M      | M    | 0.85 ~ 1.25 | TKC34-11012 |
|        | L    | 2.0~4.0     | TKC56-11012 |

| US 110 |      |           |           |
|--------|------|-----------|-----------|
| 구분     | Size | SQ        | P/No      |
| F      | S    | 0.3~0.5   | 8100-4407 |
|        | M    | 0.75~1.25 | 8100-4408 |
| M      | L    | 1.5~3.0   | 8100-4409 |
|        | LK   | 2.0~3.0   | 8240-0397 |
| M      | S    | 0.3~0.5   | 8100-4412 |
|        | M    | 0.75~1.25 | 8100-4413 |
| M      | L    | 1.5~3.0   | 8100-4414 |
|        | LK   | 2.0~3.0   | 8230-5220 |

| 250 |      |          |            |
|-----|------|----------|------------|
| 구분  | Size | SQ       | P/No       |
| F   | S    | 0.5~1.0  | ST731430-3 |
|     | M    | 1.25~2.5 | ST731429-3 |
| M   | L    | 3.0~4.0  | ST731428-3 |
|     | XL   | 5.0~6.0  | ST731427-3 |
| M   | S    | 0.5~1.0  | ST741372-3 |
|     | M    | 1.25~2.5 | ST741371-3 |
| M   | L    | 3.0~4.0  | ST741370-3 |
|     | XL   | 5.0~6.0  | ST741393-3 |

| ETN |          |    |          |
|-----|----------|----|----------|
| 구분  | P/No     | 구분 | P/No     |
| F   | 35283748 | M  | 35283750 |
| F   | 35283749 | M  | 35283751 |
| F   | 35124945 |    | 35195966 |

#### 적용 CLIP

| Type       | P/No        | 판넬 두께 CLIP 폭 |
|------------|-------------|--------------|
| KEYHOLE    | 5051-0366-2 | 0.7~1.6T     |
| SLOT A     | 5051-0363-2 | 0.7~1.6T     |
| SLOT D     | IKC11-00291 | 1.7~2.6T     |
| SLOT B     | 5051-0364-2 | 0.7~1.6T     |
| SLOT C     | 5051-0365-2 | 1.7~2.6T     |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T     |

# CONNECTOR

## HYBRID SERIES

### WIRE TO WIRE

| Poles  | FEMALE             | LEVER              | FEMALE | MALE                   |
|--|--------------------|--------------------|--------|------------------------|
| LIF 38P(II)<br>025: 28P<br>060: 8P<br>KS110: 2P            |                    |                    |        | <br><b>HKC38-66912</b> |
| P/N  | <b>HKC38-66922</b> | <b>VKC38-66921</b> |        | <b>HKC38-66932</b>     |
| LIF 61P<br>025: 46P<br>060: 12P<br>KS110: 2P<br>FAKRA : 1P |                    |                    |        | <br><b>HKC61-85312</b> |
| P/N  | <b>HKC61-85322</b> | <b>VKC61-85321</b> |        |                        |

#### 적용 TML

| TML |        | 025     |           | 060         |           | 110         |             | US 110    |             | 250      |            |
|-----|--------|---------|-----------|-------------|-----------|-------------|-------------|-----------|-------------|----------|------------|
| 구분  | Size   | SQ      | P/No      | SQ          | P/No      | SQ          | P/No        | SQ        | P/No        | SQ       | P/No       |
| F   | S      | -       | -         | 0.3~0.5     | 8240-0345 | 0.3 ~ 0.5   | TKC12-11022 | 0.3~0.5   | 8100-4407   | 0.5~1.0  | ST731430-3 |
|     | M      | 0.22    | 4011-0046 | 0.85 ~ 1.25 | 8240-0346 | 0.85 ~ 1.25 | TKC34-11022 | 0.75~1.25 | 8100-4408   | 1.25~2.5 | ST731429-3 |
|     | L      | 0.3~0.5 | 4011-0047 | 2.0         | 8240-0347 | 2.0 ~ 4.0   | TKC56-11022 | 1.5~3.0   | 8100-4409   | 3.0~4.0  | ST731428-3 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           | 2.0~3.0   | (8240-0397) | 5.0~6.0  | ST731427-3 |
| M   | S      | -       | -         | 0.3~0.5     | 8230-5133 | 0.3 ~ 0.5   | TKC12-11012 | 0.3~0.5   | 8100-4412   | 0.5~1.0  | ST741372-3 |
|     | M      | 0.22    | 4021-0049 | 0.85 ~ 1.25 | 8230-5134 | 0.85 ~ 1.25 | TKC34-11012 | 0.75~1.25 | 8100-4413   | 1.25~2.5 | ST741371-3 |
|     | L      | 0.3~0.5 | 4021-0050 | 2.0         | 8230-5135 | 2.0 ~ 4.0   | TKC56-11012 | 1.5~3.0   | 8100-4414   | 3.0~4.0  | ST741370-3 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           | 2.0~3.0   | (8230-5220) | 5.0~6.0  | ST741393-3 |

#### 적용 CLIP

| TML | RF         |    |            |
|-----|------------|----|------------|
| 구분  | P/No       | 구분 | P/No       |
| F   | KR20203-20 | M  | KR30202-20 |
|     | KR20301-20 |    | KR30301-20 |
|     | KR00406-20 |    | KR00406-20 |

| TYPE       | P/No        | 판넬 두께    | CLIP 폭 |
|------------|-------------|----------|--------|
| KEYHOLE    | 5051-0366-2 | 0.7~1.6T | 9.2mm  |
| SLOT A     | 5051-0363-2 | 0.7~1.6T |        |
| SLOT D     | IKC11-00291 | 1.7~2.6T |        |
| SLOT B     | 5051-0364-2 | 0.7~1.6T | 12mm   |
| SLOT C     | 5051-0365-2 | 1.7~2.6T |        |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |        |

# CONNECTOR

## HYBRID SERIES

### WIRE TO WIRE

| Poles   | FEMALE      | LEVER       | FEMALE | MALE        |
|---|-------------|-------------|--------|-------------|
| <b>LIF 28P</b><br>025: 14P<br>060: 8P<br>KS110: 5P<br>FAKRA: 1P |             |             |        |             |
| P/N   | HKC28-85342 | VKC28-85341 |        | HKC28-85332 |
| <b>LIF 38P</b><br>025: 10P<br>060: 20P<br>KS110: 8P             |             |             |        |             |
| P/N   | HKC38-66123 | VKC38-66121 |        | HKC38-66133 |

### 적용 TML

| TML |        | 025     |           | 060         |           | 110         |             | US 110    |             | 250      |            |
|-----|--------|---------|-----------|-------------|-----------|-------------|-------------|-----------|-------------|----------|------------|
| 구분  | Size   | SQ      | P/No      | SQ          | P/No      | SQ          | P/No        | SQ        | P/No        | SQ       | P/No       |
| F   | S      | -       | -         | 0.3~0.5     | 8240-0345 | 0.3 ~ 0.5   | TKC12-11022 | 0.3~0.5   | 8100-4407   | 0.5~1.0  | ST731430-3 |
|     | M      | 0.22    | 4011-0046 | 0.85 ~ 1.25 | 8240-0346 | 0.85 ~ 1.25 | TKC34-11022 | 0.75~1.25 | 8100-4408   | 1.25~2.5 | ST731429-3 |
|     | L      | 0.3~0.5 | 4011-0047 | 2.0         | 8240-0347 | 2.0 ~ 4.0   | TKC56-11022 | 1.5~3.0   | 8100-4409   | 3.0~4.0  | ST731428-3 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           | 2.0~3.0   | (8240-0397) | 5.0~6.0  | ST731427-3 |
| M   | S      | -       | -         | 0.3~0.5     | 8230-5133 | 0.3 ~ 0.5   | TKC12-11012 | 0.3~0.5   | 8100-4412   | 0.5~1.0  | ST741372-3 |
|     | M      | 0.22    | 4021-0049 | 0.85 ~ 1.25 | 8230-5134 | 0.85 ~ 1.25 | TKC34-11012 | 0.75~1.25 | 8100-4413   | 1.25~2.5 | ST741371-3 |
|     | L      | 0.3~0.5 | 4021-0050 | 2.0         | 8230-5135 | 2.0 ~ 4.0   | TKC56-11012 | 1.5~3.0   | 8100-4414   | 3.0~4.0  | ST741370-3 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           | 2.0~3.0   | (8230-5220) | 5.0~6.0  | ST741393-3 |

### 적용 CLIP

| TML | MINI FAKRA      |    |                 |
|-----|-----------------|----|-----------------|
| 구분  | P/No            | 구분 | P/No            |
| F   | 6451-0008-7-000 | M  | 6452-0004-2-000 |
|     | 6451-0009-4-000 |    | 6452-0005-4-000 |
|     | 6459-0001-2-000 |    | 6459-0001-2-000 |
|     |                 |    |                 |

| TYPE       | P/No        | 판넬 두께    | CLIP 폭 |
|------------|-------------|----------|--------|
| KEYHOLE    | 5051-0366-2 | 0.7~1.6T | 9.2mm  |
| SLOT A     | 5051-0363-2 | 0.7~1.6T |        |
| SLOT D     | IKC11-00291 | 1.7~2.6T |        |
| SLOT B     | 5051-0364-2 | 0.7~1.6T |        |
| SLOT C     | 5051-0365-2 | 1.7~2.6T | 12mm   |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |        |

# CONNECTOR

## HYBRID SERIES

### WIRE TO WIRE

| Poles       | FEMALE   | LEVER                    | FEMALE | MALE                      |
|-------------|--|--------------------------|--------|---------------------------|
| LIF 37P(II) | <br>025: 20P<br>060: 8P<br>KS110: 6P<br>FAKRA: 1P<br>250: 2P               | <br>24.2<br>64.3<br>24.0 |        | <br>28.4<br>74.45<br>43.0 |
| P/N         | HKC37-69323  | VKC37-69321              |        | HKC37-69313               |
| LIF 69P     | <br>025: 35P<br>060: 26P<br>KS110: 4P<br>FAKRA: 2P<br>250: 2P              | <br>28.8<br>69.8<br>24.0 |        | <br>33.0<br>77.0<br>43.0  |
| P/N         | HKC69-69327  | VKC69-69321              |        | HKC69-69317               |
| LIF 78P     | <br>025: 56P<br>060: 9P<br>KS110: 4P<br>250: 2P<br>FAKRA: 3P<br>ETN: 4(2)P | <br>36.0<br>61.6<br>24.8 |        | <br>44.7<br>68.6<br>44.59 |
| P/N         | HKC78-88322  | VKC78-88321              |        | HKC78-88312               |

### 적용 TML

| TML |        | 025     |           | 00          |           | 110         |             | 250      |            | ETHERNET |          |     |          |
|-----|--------|---------|-----------|-------------|-----------|-------------|-------------|----------|------------|----------|----------|-----|----------|
| 구분  | Size   | SQ      | P/No      | SQ          | P/No      | SQ          | P/No        | SQ       | P/No       | 구분       | P/No     | 구분  | P/No     |
| F   | S      | -       | -         | 0.3~0.5     | 8240-0345 | 0.3 ~ 0.5   | TKC12-11022 | 0.5~1.0  | ST731430-3 | F        | 35283748 | M   | 35283750 |
|     | M      | 0.22    | 4011-0046 | 0.85 ~ 1.25 | 8240-0346 | 0.85 ~ 1.25 | TKC34-11022 | 1.25~2.5 | ST731429-3 |          | 35283749 |     | 35283751 |
|     | L      | 0.3~0.5 | 4011-0047 | 2.0         | 8240-0347 | 2.0 ~ 4.0   | TKC56-11022 | 3.0~4.0  | ST731428-3 |          | 35124945 |     | 35195966 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           | 5.0~6.0  | ST731427-3 |          | 33124946 |     | 35195964 |
| M   | S      | -       | -         | 0.3~0.5     | 8230-5133 | 0.3 ~ 0.5   | TKC12-11012 | 0.5~1.0  | ST741372-3 | STP      | 35283748 | STP | 35283750 |
|     | M      | 0.22    | 4021-0049 | 0.85 ~ 1.25 | 8230-5134 | 0.85 ~ 1.25 | TKC34-11012 | 1.25~2.5 | ST741371-3 |          | 35283749 |     | 35283751 |
|     | L      | 0.3~0.5 | 4021-0050 | 2.0         | 8230-5135 | 2.0 ~ 4.0   | TKC56-11012 | 3.0~4.0  | ST741370-3 |          | 35508557 |     | 35508557 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           | 5.0~6.0  | ST741393-3 |          | 35340091 |     | 35340091 |

### 적용 CLIP

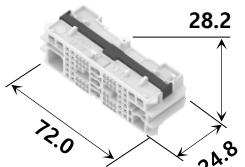
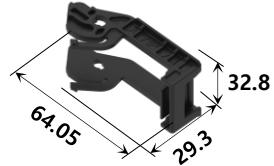
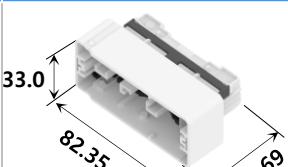
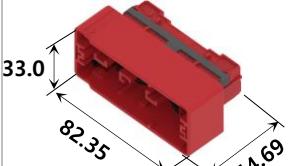
| TML | MINI FAKRA      |    |                 |
|-----|-----------------|----|-----------------|
| 구분  | P/No            | 구분 | P/No            |
| F   | 6451-0008-7-000 | M  | 6452-0004-2-000 |
|     | 6451-0009-4-000 |    | 6452-0005-4-000 |
|     | 6459-0001-2-000 |    | 6459-0001-2-000 |
|     |                 |    |                 |

| TYPE       | P/No        | 판넬 두께    | CLIP 폭 |
|------------|-------------|----------|--------|
| KEYHOLE    | 5051-0366-2 | 0.7~1.6T | 9.2mm  |
| SLOT A     | 5051-0363-2 | 0.7~1.6T |        |
| SLOT D     | IKC11-00291 | 1.7~2.6T |        |
| SLOT B     | 5051-0364-2 | 0.7~1.6T |        |
| SLOT C     | 5051-0365-2 | 1.7~2.6T | 12mm   |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |        |

# CONNECTOR

## HYBRID SERIES

### WIRE TO WIRE

| Poles   | FEMALE  | LEVER   | FEMALE   | MALE  |
|---|---|---|--|---|
| <b>LIF 71P</b><br><u>025: 36P</u><br><u>060: 24P</u><br><u>KS110: 4P</u><br><u>FAKRA: 3P</u><br><u>ETN: 4(2)P</u> | <br><b>HKC71-87122</b> |  |  | <br><b>HKC71-87112</b> |
| <b>P/N</b>  | <b>HKC71-87123</b>  | <b>VKC71-87121</b>  |  | <br><b>HKC71-87113</b> |

### 적용 TML

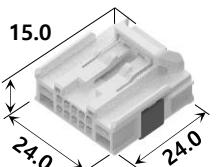
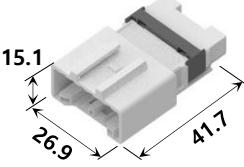
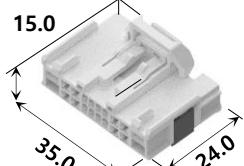
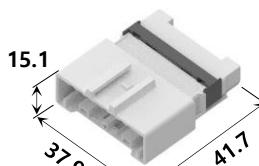
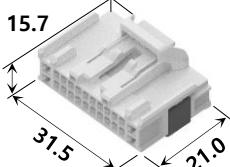
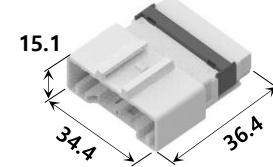
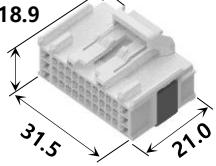
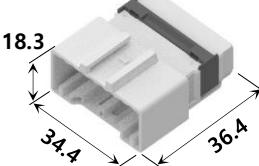
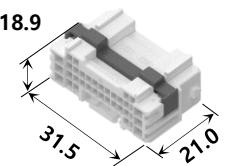
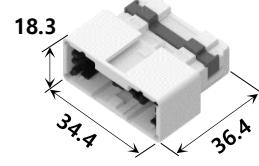
| TML |        | 025     |           | 00          |           | 110         |             | ETHERNET |          |    |          |
|-----|--------|---------|-----------|-------------|-----------|-------------|-------------|----------|----------|----|----------|
| 구분  | Size   | SQ      | P/No      | SQ          | P/No      | SQ          | P/No        | 구분       | P/No     | 구분 | P/No     |
| F   | S      | -       | -         | 0.3~0.5     | 8240-0345 | 0.3 ~ 0.5   | TKC12-11022 | F        | 35283748 | M  | 35283750 |
|     | M      | 0.22    | 4011-0046 | 0.85 ~ 1.25 | 8240-0346 | 0.85 ~ 1.25 | TKC34-11022 |          | 35283749 |    | 35283751 |
|     | L      | 0.3~0.5 | 4011-0047 | 2.0         | 8240-0347 | 2.0 ~ 4.0   | TKC56-11022 |          | 35124945 |    | 35195966 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           |          | 33124946 |    | 35195964 |
| M   | S      | -       | -         | 0.3~0.5     | 8230-5133 | 0.3 ~ 0.5   | TKC12-11012 |          | 35283748 |    | 35283750 |
|     | M      | 0.22    | 4021-0049 | 0.85 ~ 1.25 | 8230-5134 | 0.85 ~ 1.25 | TKC34-11012 |          | 35283749 |    | 35283751 |
|     | L      | 0.3~0.5 | 4021-0050 | 2.0         | 8230-5135 | 2.0 ~ 4.0   | TKC56-11012 |          | 35508557 |    | 35508557 |
|     | XL(LK) | -       | -         | -           | -         | -           | -           |          | 35340091 |    | 35340091 |

| TML | MINI FAKRA      |    |                 |
|-----|-----------------|----|-----------------|
| 구분  | P/No            | 구분 | P/No            |
| F   | 6451-0008-7-000 | M  | 6452-0004-2-000 |
|     | 6451-0009-4-000 |    | 6452-0005-4-000 |
|     | 6459-0001-2-000 |    | 6459-0001-2-000 |

# CONNECTOR

## HYBRID SERIES

### WIRE TO WIRE

| Poles   | FEMALE  | MALE  |
|---|---|---|
| <b>12P</b><br>025: 10P<br>US110: 2P           |    |    |
| P/N   | 5011-0078   | 5021-0081   |
| <b>18P</b><br>025: 8P<br>060: 8P<br>US110: 2P |    |    |
| P/N   | 5011-0084   | 5021-0087   |
| <b>24P</b><br>025: 20P<br>060: 4P             |   |   |
| P/N   | 5011-0026   | 5021-0028   |
| <b>36P</b><br>025: 30P<br>060: 6P             |  |  |
| P/N   | 5011-0051   | 5021-0053   |
| <b>36P</b><br>025: 30P<br>060: 6P             |  |  |
| P/N   | HKC36-66402   | HKC36-66492   |

### 적용 TML

| 025 |      |         |           |
|-----|------|---------|-----------|
| 구분  | Size | SQ      | P/No      |
| F   | M    | 0.22    | 4011-0046 |
|     | L    | 0.3~0.5 | 4011-0047 |
| M   | M    | 0.22    | 4021-0049 |
|     | L    | 0.3~0.5 | 4021-0050 |

| 060 |      |             |           |
|-----|------|-------------|-----------|
| 구분  | Size | SQ          | P/No      |
| F   | S    | 0.3~0.5     | 8240-0345 |
|     | M    | 0.85 ~ 1.25 | 8240-0346 |
| M   | L    | 2.0         | 8240-0347 |
|     | S    | 0.35~0.5    | 8230-5133 |
| L   | M    | 0.85 ~ 1.25 | 8230-5134 |
|     | L    | 2.0         | 8230-5135 |

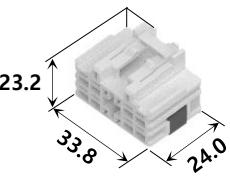
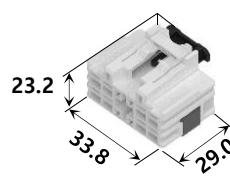
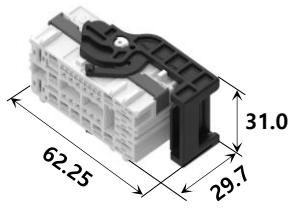
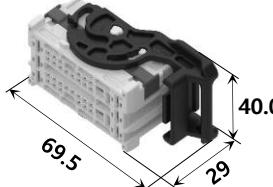
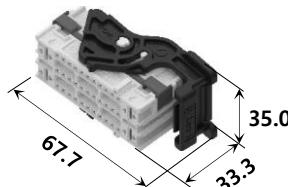
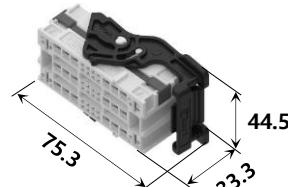
| KS 110 |      |             |             |
|--------|------|-------------|-------------|
| 구분     | Size | SQ          | P/No        |
| F      | S    | 0.3 ~ 0.5   | TKC12-11022 |
|        | M    | 0.85 ~ 1.25 | TKC34-11022 |
| M      | L    | 2.0~4.0     | TKC56-11022 |
|        | S    | 0.3 ~ 0.5   | TKC12-11012 |
| L      | M    | 0.85 ~ 1.25 | TKC34-11012 |
|        | L    | 2.0~4.0     | TKC56-11012 |

| US 110 |      |           |           |
|--------|------|-----------|-----------|
| 구분     | Size | SQ        | P/No      |
| F      | S    | 0.3~0.5   | 8100-4407 |
|        | M    | 0.75~1.25 | 8100-4408 |
| M      | L    | 1.5~3.0   | 8100-4409 |
|        | LK   | 2.0~3.0   | 8240-0397 |
| L      | S    | 0.3~0.5   | 8100-4412 |
|        | M    | 0.75~1.25 | 8100-4413 |
| LK     | L    | 1.5~3.0   | 8100-4414 |
|        | LK   | 2.0~3.0   | 8230-5220 |

# CONNECTOR

## HYBRID SERIES

### WIRE TO UNIT

| Poles   | FEMALE  |   |
|---|---|---|
| <b>12P</b><br><u>060: 8P</u><br><u>US 110: 4P</u>                                       |    |  |
|   | <b>5011-0296</b>  | <b>5011-0240</b>  |
| <b>P/N</b>  | <b>5011-0297-8</b>  | <b>5011-0241-8</b>  |
| <b>35F</b><br><u>025: 9P</u><br><u>060: 12P</u><br><u>KS 110: 9P</u><br><u>250 : 5P</u> |   |   |
|   | <b>HKC35-66522</b>  |   |
| <b>36F</b><br><u>060: 28P</u><br><u>US 110: 2P</u><br><u>250 : 6P</u>                   |  |   |
|   | <b>5011-0132</b>  |   |
| <b>37F</b><br><u>060: 33P</u><br><u>250: 4P</u>   |  |   |
|   | <b>5011-0151</b>  |   |
| <b>46F</b><br><u>060: 24P</u><br><u>110: 18P</u><br><u>250: 4P</u>                      |  |   |
|   | <b>5011-0155</b>  |   |

### 적용 TML

| 025           |      |           |             |
|---------------|------|-----------|-------------|
| 구분            | Size | SQ        | P/No        |
| F             | M    | 0.22      | 4011-0046   |
|               | L    | 0.3~0.5   | 4011-0047   |
| 060           |      |           |             |
| 구분            | Size | SQ        | P/No        |
| F             | S    | 0.3~0.5   | 8240-0345   |
|               | M    | 0.85~1.25 | 8240-0346   |
|               | L    | 2.0       | 8240-0347   |
| KS 110        |      |           |             |
| 구분            | Size | SQ        | P/No        |
| F             | S    | 0.3~0.5   | TKC12-11022 |
|               | M    | 0.85~1.25 | TKC34-11022 |
|               | L    | 2.0~4.0   | TKC56-11022 |
| US 110 (0.8T) |      |           |             |
| 구분            | Size | SQ        | P/No        |
| F             | S    | 0.3~0.5   | 8100-4443   |
|               | M    | 0.75~1.25 | 8100-4444   |
|               | L    | 1.5~3.0   | 8100-4445   |
| 250           |      |           |             |
| 구분            | Size | SQ        | P/No        |
| F             | S    | 0.5~1.0   | ST731430-3  |
|               | M    | 1.25~2.5  | ST731429-3  |
|               | L    | 3.0~4.0   | ST731428-3  |
|               | XL   | 5.0~6.0   | ST731427-3  |
| 250           |      |           |             |
| 구분            | Size | SQ        | P/No        |
| F             | S    | 0.2~0.5   | 1241400-1   |
|               | M    | 0.5~1.0   | 1241402-1   |
|               | L    | 2.5~4.0   | 1241406-1   |
|               | XL   | 4.0~6.0   | 1241408-1   |

# CONNECTOR

## HYBRID SERIES

### WIRE TO UNIT

Poles

FEMALE

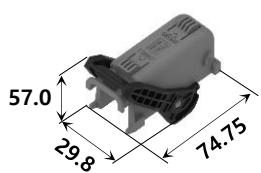
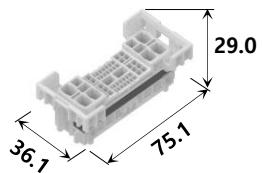
**56F**

025: 28P

060: 20P

110: 2P

250: 6P



P/N

5011-0460

5061-0463

적용 TML

**025**

| 구분 | Size | SQ      | P/No      |
|----|------|---------|-----------|
| F  | M    | 0.22    | 4011-0046 |
|    | L    | 0.3~0.5 | 4011-0047 |

**060**

| 구분 | Size | SQ          | P/No      |
|----|------|-------------|-----------|
| F  | S    | 0.3~0.5     | 8240-0345 |
|    | M    | 0.85 ~ 1.25 | 8240-0346 |
|    | L    | 2.0         | 8240-0347 |

**110**

| 구분 | Size | SQ        | P/No       |
|----|------|-----------|------------|
| F  | S    | 0.22~0.35 | ST731426-3 |
|    | M    | 0.5~1.0   | ST731425-3 |
|    | L    | 1.25~2.5  | ST731424-3 |
|    | XL   | 3.0~4.0   | ST731423-3 |

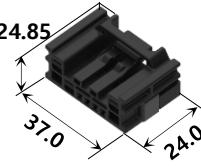
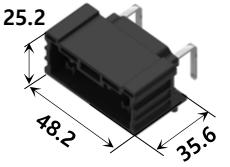
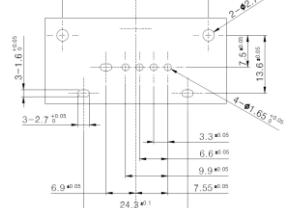
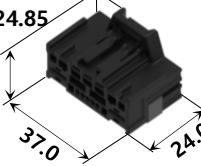
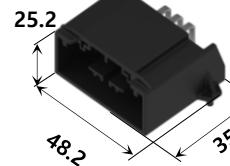
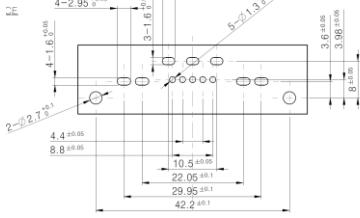
**250**

| 구분 | Size | SQ       | P/No       |
|----|------|----------|------------|
| F  | S    | 0.5~1.0  | ST731430-3 |
|    | M    | 1.25~2.5 | ST731429-3 |
|    | L    | 3.0~4.0  | ST731428-3 |
|    | XL   | 5.0~6.0  | ST731427-3 |

# CONNECTOR

## HYBRID SERIES

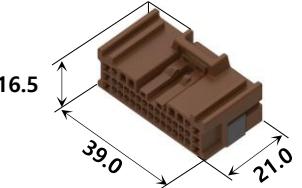
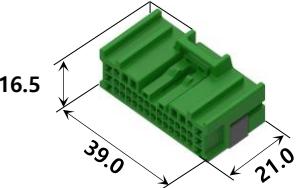
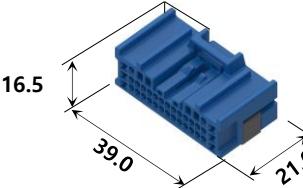
### 1) WIRE TO PCB

| Poles                                       | FEMALE  | MALE  | PCB LAYOUT   |
|---|---|---|--|
| <b>7P</b><br>060: 4P<br>110: 3P             |  |  |  |
| P/N   | HKC07-61321   | HKC07-61311   |  |
| <b>10P</b><br>025: 5P<br>110: 3P<br>250: 2P |  |  |  |
| P/N   | HKC10-66221   | HKC10-66211   |  |

적용 TML

| 060110 7P |     |      |             |             | 025110250 10P |     |         |             |             |
|-----------|-----|------|-------------|-------------|---------------|-----|---------|-------------|-------------|
| TYPE      | 구분  | Size | SQ          | P/No        | TYPE          | 구분  | Size    | SQ          | P/No        |
| F         | 060 | S    | 0.3~0.5     | 8240-0345   | F             | 025 | M       | 0.22        | 4011-0046   |
|           |     | M    | 0.85 ~ 1.25 | 8240-0346   |               |     | L       | 0.3~0.5     | 4011-0047   |
|           |     | L    | 2.0         | 8240-0347   |               | 110 | S       | 0.3 ~ 0.5   | TKC12-11022 |
| M         | 110 | S    | 0.3 ~ 0.5   | TKC12-11022 |               |     | M       | 0.85 ~ 1.25 | TKC34-11022 |
|           |     | M    | 0.85 ~ 1.25 | TKC34-11022 |               | 250 | L       | 2.0~4.0     | TKC56-11022 |
|           |     | L    | 2.0~4.0     | TKC56-11022 |               |     | S       | 0.5~1.0     | ST731430-3  |
| M         | 060 | -    | -           | TKCXX-K0552 |               | 250 | M       | 1.25~2.5    | ST731429-3  |
|           | 110 | -    | -           | TKCXX-K0512 |               |     | L       | 3.0~4.0     | ST731428-3  |
|           | -   | -    | -           | TKCXX-K0572 | M             | XL  | 5.0~6.0 | ST731427-3  |             |
| M         | 025 | -    | -           | TKCXX-K0532 |               | 025 | -       | -           | TKCXX-K0532 |
|           | 110 | -    | -           | TKCXX-K0512 |               | 110 | -       | -           | TKCXX-K0512 |
|           | 250 | -    | -           | TKCXX-K0492 |               | 250 | -       | -           | TKCXX-K0492 |

### 2) WIRE TO UNIT

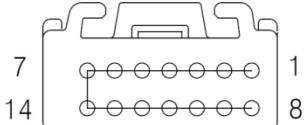
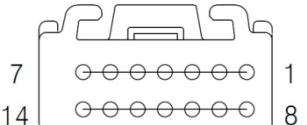
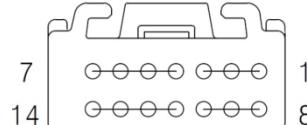
| Poles                          | FEMALE  |   |   |
|--------------------------------|---|---|---|
| <b>34F</b><br>025:28<br>060: 6 |  |  |  |
| P/N                            | HKC34-66406   | HKC34-66404   | HKC34-66407   |

적용 TML

| 025  |      |         |             | 060  |      |             |             |
|------|------|---------|-------------|------|------|-------------|-------------|
| TYPE | Size | SQ      | P/No        | TYPE | Size | SQ          | P/No        |
| F    | M    | 0.22    | TKC00-06402 | F    | S    | 0.3~0.5     | TKC12-06002 |
|      | L    | 0.3~0.5 | TKC12-06402 |      | M    | 0.75 ~ 1.25 | TKC34-06002 |
|      |      |         |             |      | L    | 2.0         | TKC55-06002 |

# CONNECTOR

## JOINT 025 SERIES

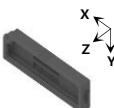
| Poles           | JOINT 025 14P   |   |   |
|-----------------|---|---|---|
| 14F<br>025: 14P |  |  |  |
|                 | 5011-0189   | 5011-0190-2   | 5011-0191-8   |
|                 |  |  |  |
| P/N             | 14P   | 7P / 7P   | 4P+3P / 4P+3P   |

### 적용 TML

| TYPE | 구분  | Size | SQ      | P/No      |
|------|-----|------|---------|-----------|
| F    | 025 | M    | 0.22    | 4011-0046 |
|      |     | L    | 0.3~0.5 | 4011-0047 |

### 적용 COVER

| TYPE  | SIZE |     |     | P/No      |
|-------|------|-----|-----|-----------|
|       | X    | Y   | Z   |           |
| COVER | 17.9 | 6.0 | 2.1 | 5061-0194 |



### 적용 CLIP

| TYPE       | P/No        | 판넬 두께    | 비고           |
|------------|-------------|----------|--------------|
| SLOT B     | 5051-0364-2 | 0.7~1.6T | JOINT<br>14P |
| SLOT C     | 5051-0365-2 | 1.7~2.6T |              |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |              |

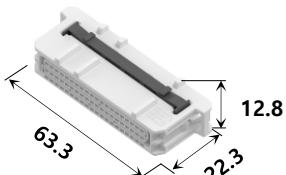
# CONNECTOR

## JOINT 025 SERIES

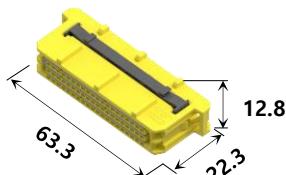
Poles

JOINT 025 60P

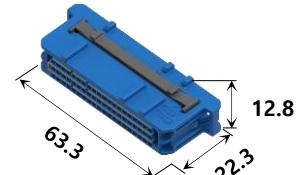
60F  
025: 60P



5011-0411

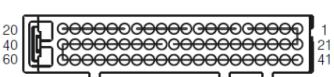


5011-0412-5

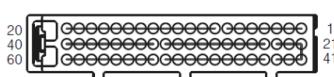


5011-0413-8

P/N



6+5+4 / 16 / 29



13+7 / 8+9+6 / 8+9

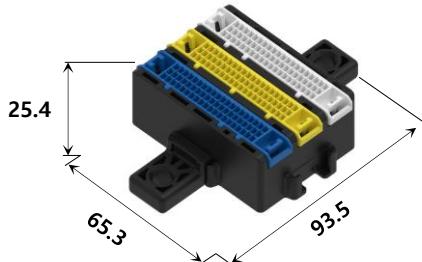


16+11/ 13 /13+3+4

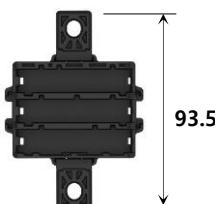
적용 TML

| TYPE | 구분  | Size | SQ      | P/No      |
|------|-----|------|---------|-----------|
| F    | 025 | M    | 0.22    | 4011-0046 |
|      |     | L    | 0.3~0.5 | 4011-0047 |

적용 BLOCK BRACKET



CODE A



5091-0414

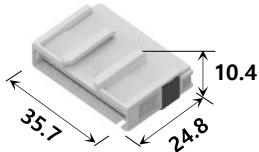
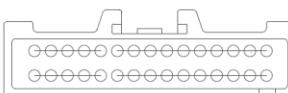
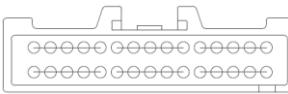
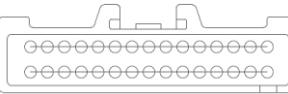
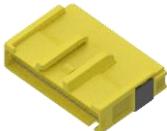
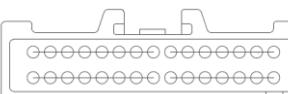
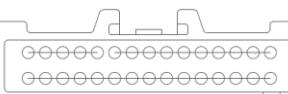
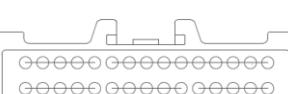
CODE B



5091-0415

# CONNECTOR

## JOINT 025 SERIES

| Poles                  | JOINT 025 30P   |   |  |
|------------------------|---|---|--|
|                        | A CODING  | B CODING  | PIN LAYOUT   |
| <b>30F</b><br>025: 30P |    |    | 15<br>30  1<br>16   |
| P/N                    | 5011-0236   | 5011-0470   | 5P+10P / 5P+10P  |
|                        |    |    | 15<br>30  1<br>16   |
|                        | 5011-0280-2   | 5011-0471-2   | 5P+5P+5P/5P+5P+5P  |
|                        |    |    | 15<br>30  1<br>16   |
|                        | 5011-0281-4   | 5011-0472-4   | 15P / 15P  |
|                        |  |  | 15<br>30  1<br>16 |
|                        | 5011-0282-5   | 5011-0473-5   | 8P+7P / 8P+7P  |
|                        |  |  | 15<br>30  1<br>16 |
|                        | 5011-0283-7   | 5011-0474-7   | 5P+10P / 15P   |
|                        |  |  | 15<br>30  1<br>16 |
|                        | 5011-0284-8   | 5011-0475-8   | 5P+10P / 5P+5P+5P  |

### 적용 TML

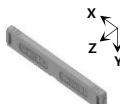
| TYPE | 구분  | Size | SQ      | P/No      |
|------|-----|------|---------|-----------|
| F    | 025 | M    | 0.22    | 4011-0046 |
|      |     | L    | 0.3~0.5 | 4011-0047 |

### 적용 CLIP

| TYPE       | P/No        | 판넬 두께    | 비고       |
|------------|-------------|----------|----------|
| KEYHOLE    | 5051-0366-2 | 0.7~1.6T | B CODING |
| SLOT A     | 5051-0363-2 | 0.7~1.6T |          |
| SLOT D     | IKC11-00291 | 1.7~2.6T |          |
| SLOT B     | 5051-0364-2 | 0.7~1.6T |          |
| SLOT C     | 5051-0365-2 | 1.7~2.6T | A CODING |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |          |

### 적용 COVER

| TYPE  | SIZE |     |     | P/No      |
|-------|------|-----|-----|-----------|
|       | X    | Y   | Z   |           |
| COVER | 34.5 | 6.0 | 2.0 | 5061-0239 |



# CONNECTOR

## JOINT 060 SERIES

| Poles                  | JOINT 060 20P        | PIN LAYOUT                 |
|------------------------|----------------------|----------------------------|
| <b>20F</b><br>060: 20P | 10.8<br>37.1<br>26.1 |                            |
| <b>P/N</b>             | <b>5011-0397</b>     | <b>20P</b>                 |
|                        |                      |                            |
|                        | <b>5011-0398-2</b>   | <b>10P / 10P</b>           |
|                        |                      |                            |
|                        | <b>5011-0399-4</b>   | <b>6P+4P / 6P+4P</b>       |
|                        |                      |                            |
|                        | <b>5011-0400-5</b>   | <b>5P+5P / 5P+5P</b>       |
|                        |                      |                            |
|                        | <b>5011-0401-7</b>   | <b>4P+3P+3P / 4P+3P+3P</b> |
|                        |                      |                            |
|                        | <b>5011-0402-8</b>   | <b>10P / 5P+5P</b>         |

### 적용 TML

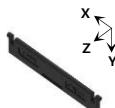
| TYPE | 구분  | SIZE | SQ      | P/No      |
|------|-----|------|---------|-----------|
| F    | 060 | S    | 0.13    | 8230-5133 |
|      |     | M    | 0.22    | 8230-5134 |
|      |     | L    | 0.3~0.5 | 8230-5135 |

### 적용 COVER

| TYPE  | SIZE |     |     | P/No      |
|-------|------|-----|-----|-----------|
|       | X    | Y   | Z   |           |
| COVER | 35.3 | 7.2 | 1.5 | 5061-0410 |

### 적용 CLIP

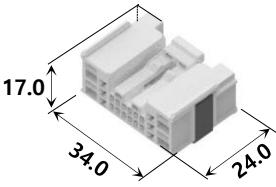
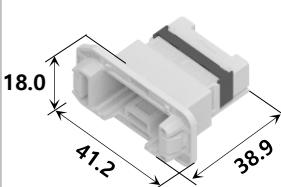
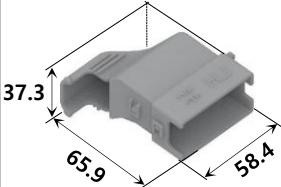
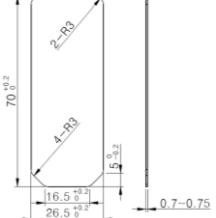
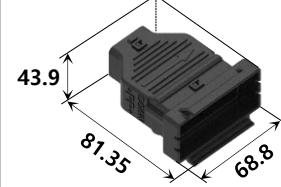
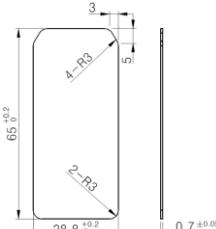
| TYPE       | P/No        | 판넬 두께    | 비 고              |
|------------|-------------|----------|------------------|
| SLOT B     | 5051-0364-2 | 0.7~1.6T | JOINT<br>060 20P |
| SLOT C     | 5051-0365-2 | 1.7~2.6T |                  |
| KEYHOLE(B) | IKC11-00461 | 0.7~1.6T |                  |



# CONNECTOR

## DOOR SERIES

### WIRE TO WIRE

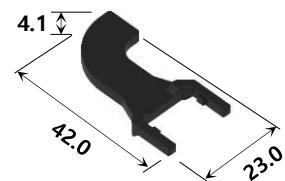
| Poles   | FEMALE   | MALE   | COVER   | PANEL  |
|---|--|--|---|--|
| <b>22P</b><br>025: 12P<br>060: 6P<br>US 110: 4P                 | <br>17.0<br>34.0<br>24.0  | <br>18.0<br>41.2<br>38.9  | <br>37.3<br>65.9<br>58.4                      |   |
| P/N   | 5011-0246  | 5021-0249  | 5061-0310   | PANEL SIZE   |
| <b>47P</b><br>025: 22P<br>060: 12P<br>KS 110: 11P<br>이더넷: 1PORT | <br>37.6<br>76.4<br>36.3  | <br>41.3<br>83.4<br>50.6  | <br>37.3<br>65.9<br>58.4<br>※ COVER 사양: RH/LH |   |
| P/N   | HKC47-85321  | HKC47-85311  | CKC1C-01478   |  |
| <b>52P</b><br>025: 26P<br>060: 12P<br>KS 110: 12P<br>이더넷: 1PORT | <br>37.6<br>76.4<br>36.3 | <br>41.3<br>83.4<br>50.6 | <br>43.9<br>81.35<br>68.8                    |  |
| P/N   | HKC52-85321  | HKC52-85311  | CKC1C-00301   |  |

### 적용 TML

| TML |        | 025     |           | 060         |           | 110       |             | US 110    |             | 250      |            |
|-----|--------|---------|-----------|-------------|-----------|-----------|-------------|-----------|-------------|----------|------------|
| 구분  | Size   | SQ      | P/No      | SQ          | P/No      | SQ        | P/No        | SQ        | P/No        | SQ       | P/No       |
| F   | S      | -       | -         | 0.3~0.5     | 8240-0345 | 0.3~0.5   | TKC12-11022 | 0.3~0.5   | 8100-4407   | 0.5~1.0  | ST731430-3 |
|     | M      | 0.22    | 4011-0046 | 0.85 ~ 1.25 | 8240-0346 | 0.75~1.25 | TKC34-11022 | 0.75~1.25 | 8100-4408   | 1.25~2.5 | ST731429-3 |
|     | L      | 0.3~0.5 | 4011-0047 | 2.0         | 8240-0347 | 2.0~4.0   | TKC56-11022 | 1.5~3.0   | 8100-4409   | 3.0~4.0  | ST731428-3 |
|     | XL(LK) | -       | -         | -           | -         | -         | -           | 2.0~3.0   | (8240-0397) | 5.0~6.0  | ST731427-3 |
| M   | S      | -       | -         | 0.3~0.5     | 8230-5133 | 0.3~0.5   | TKC12-11012 | 0.3~0.5   | 8100-4412   | 0.5~1.0  | ST741372-3 |
|     | M      | 0.22    | 4021-0049 | 0.85 ~ 1.25 | 8230-5134 | 0.75~1.25 | TKC34-11012 | 0.75~1.25 | 8100-4413   | 1.25~2.5 | ST741371-3 |
|     | L      | 0.3~0.5 | 4021-0050 | 2.0         | 8230-5135 | 2.0~4.0   | TKC56-11012 | 1.5~3.0   | 8100-4414   | 3.0~4.0  | ST741370-3 |
|     | XL(LK) | -       | -         | -           | -         | -         | -           | 2.0~3.0   | (8230-5220) | 5.0~6.0  | ST741393-3 |

※ DOOR 22P 전용 Wire Clip

| TML | Ethernet |    |          |
|-----|----------|----|----------|
| 구분  | P/No     | 구분 | P/No     |
| F   | 35283748 | M  | 35283750 |
|     | 35283749 |    | 35283751 |
|     | 35124945 |    | 35195966 |



5051-0312

# CONNECTOR

## DOOR SERIES

### WIRE TO WIRE

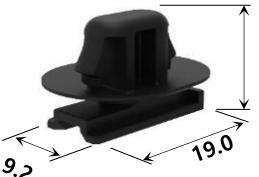
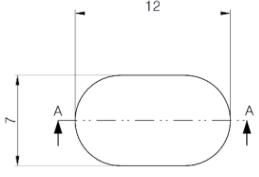
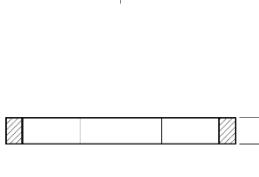
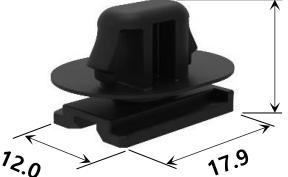
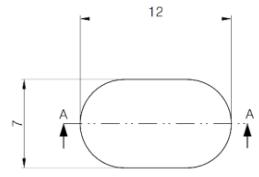
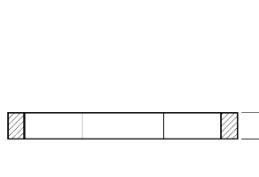
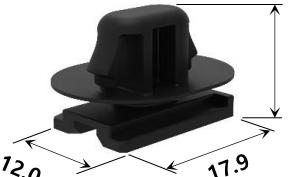
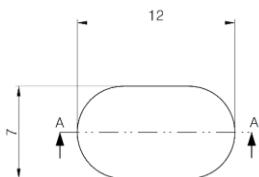
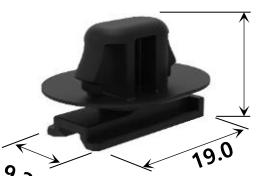
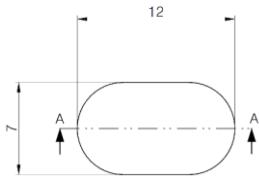
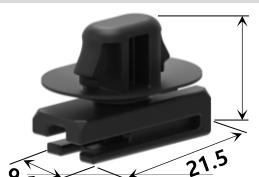
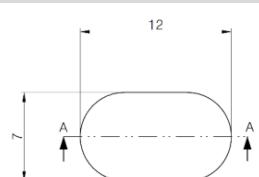
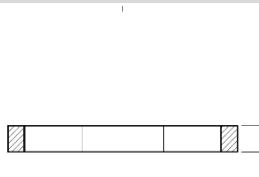
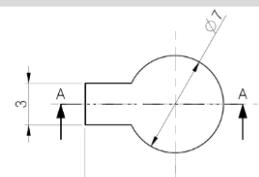
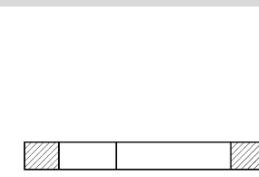
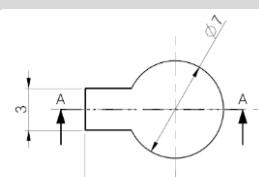
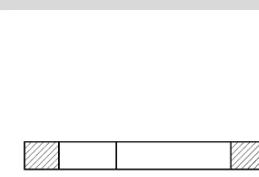
| Poles  | FEMALE    | MALE        | PANEL |
|--|-----------|-------------|-------|
| <b>12P</b><br><u>060: 12P</u>  |           |             |       |
| P/N  | 5011-0226 | HKC12-06012 |       |
| <b>26P</b><br><u>025: 15P</u><br><u>060: 9P</u><br><u>US 110: 2P</u> |           |             |       |
| P/N  | 5011-0044 | 5021-0048   |       |

### 적용 TML

| TML |        | 060         |           |
|-----|--------|-------------|-----------|
| 구분  | Size   | SQ          | P/No      |
| F   | S      | 0.3~0.5     | 8240-0345 |
|     | M      | 0.85 ~ 1.25 | 8240-0346 |
|     | L      | 2.0         | 8240-0347 |
|     | XL(LK) | -           | -         |
| M   | S      | 0.3~0.5     | 8230-5133 |
|     | M      | 0.85 ~ 1.25 | 8230-5134 |
|     | L      | 2.0         | 8230-5135 |
|     | XL(LK) | -           | -         |

# CONNECTOR

## CLIP SERIES

| TYPE        | CLIP   | PANEL SIZE   |
|-------------|--|--|
| SLOT A      |  <p>13.1<br/>9.2<br/>19.0</p> <p>5051-0363-2</p>    |  <p>12<br/>7<br/>A<br/>A</p>  <p>0.7~1.6t</p>             |
| SLOT B      |  <p>13.1<br/>12.0<br/>17.9</p> <p>5051-0364-2</p>   |  <p>12<br/>7<br/>A<br/>A</p>  <p>0.7~1.6t</p>             |
| SLOT C      |  <p>13.1<br/>12.0<br/>17.9</p> <p>5051-0365-2</p>  |  <p>12<br/>7<br/>A<br/>A</p>  <p>1.7~2.6t</p>           |
| SLOT D      |  <p>13.1<br/>9.2<br/>19.0</p> <p>IKC11-00291</p>  |  <p>12<br/>7<br/>A<br/>A</p>  <p>1.7~2.6t</p>         |
| SLOT E      |  <p>16.8<br/>9.1<br/>21.5</p> <p>IKC11-00701</p>  |  <p>12<br/>7<br/>A<br/>A</p>  <p>0.7~1.6t</p>         |
| KEYHOLE     |  <p>15.0<br/>9.2<br/>19.0</p> <p>5051-0366-2</p>  |  <p>12<br/>3<br/>6.5<br/>A<br/>A</p>  <p>0.7~1.6t</p> |
| KEYHOLE (B) |  <p>15.0<br/>12.0<br/>17.9</p> <p>IKC11-00461</p> |  <p>12<br/>3<br/>6.5<br/>A<br/>A</p>  <p>0.7~1.6t</p> |

# CONNECTOR

## 025 WP SERIES

### WIRE TO WIRE

| Poles | FEMALE      | MALE        | Poles | FEMALE      | MALE        |
|-------|-------------|-------------|-------|-------------|-------------|
| 6P    |             |             | 6P    |             |             |
| P/N   | HKC06-12621 | HKC06-K0011 | P/N   | HKC06-12628 | HKC06-K0018 |

#### 적용 TML

| TYPE | 구분 | SIZE | SQ      | P/No        |
|------|----|------|---------|-------------|
| 025  | F  | S    | 0.22    | TKCA0-12522 |
|      |    | M    | 0.3~0.5 | TKC12-12522 |
|      | M  | S    | 0.22    | TKC00-12512 |
|      |    | M    | 0.3~0.5 | TKC12-12512 |

#### 적용 W/SEAL

| TYPE       | SIZE | SQ   | P/No        |
|------------|------|------|-------------|
| Wire Seal  | S    | 0.22 | JKC00-12521 |
|            | M    | 0.3  | JKC00-12524 |
|            | L    | 0.5  | JKC00-12527 |
| Dummy Seal | -    | -    | JKC00-12538 |

#### 적용 TPA

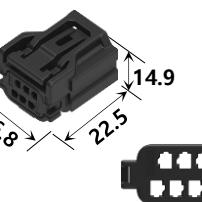
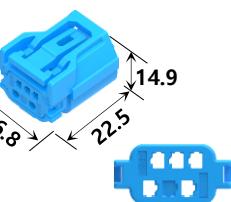
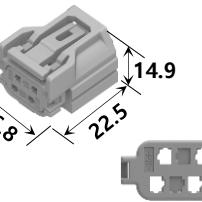
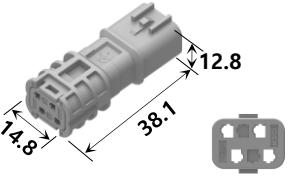
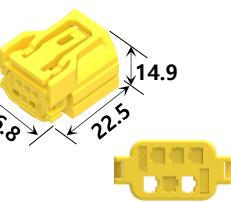
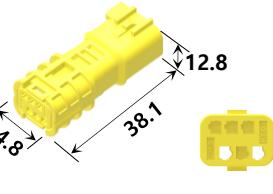
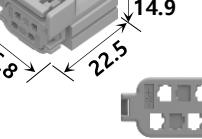
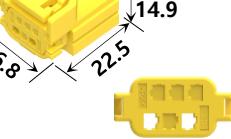
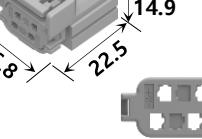
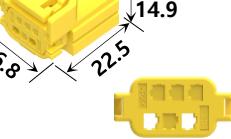
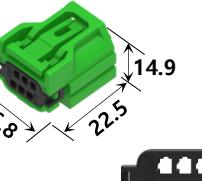
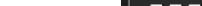
| TYPE | 구분 | P/No        |
|------|----|-------------|
| TPA  | F  | RKC06-K0012 |



# CONNECTOR

## 025 WP(II) SERIES

### WIRE TO WIRE

| Poles               | FEMALE  | MALE  | Poles       | FEMALE   | MALE  |
|---------------------|---|---|-------------|--|---|
| 6P<br>모듈            |    |    | 5P<br>모듈    |    |    |
| P/N                 |    | HKC06-12711   | P/N         |    | HKC05-12717   |
| 6P<br>비모듈           |    |    | 5P<br>비모듈   |    |    |
| P/N                 | HKC06-12721   | HKC06-12731   | P/N         | HKC05-12707  | HKC05-12737   |
| 4P<br>모듈            |  |   | 2P<br>모듈    |  |   |
| P/N                 |  | HKC04-12718   | P/N         |  | HKC02-12715   |
| 4P<br>비모듈           |  |  | 2P<br>비모듈   |  |  |
| P/N                 | HKC04-12728   | HKC04-12738   | P/N         | HKC02-12725  | HKC02-12735   |
| 6P<br>모듈            |  |  | 적용 TML      |  |   |
| P/N                 |  | HKC06-12754   | TYPE        | 구분   | SIZE  |
| 6P<br>비모듈           |  |  | 025         | F  | M   |
| P/N                 | HKC06-12764   | HKC06-12774   | M           | M  | 0.3~0.5   |
|                     |   |   |             |  | TKC12-12722   |
|                     |   |   |             |  | TKC12-12712   |
| 적용 CLIP (비모듈 사양 적용) |   |   |             |  |   |
| SLOT A              | P/No  |   | 판넬 두께       | CLIP 폭   |   |
| SLOT D              | 5051-0363-2   |   | 0.7~1.6T    | 9.2mm  |   |
|                     | IKC11-00291   |   | 1.7~2.6T    |  |   |
| 적용 TPA              |   |   |             |  |   |
|                     | TYPE  | 구분  | P/No        |  |   |
|                     | TPA   | F   | RKC06-12722 |  |   |
|                     |   | M   | RKC06-12712 |  |   |



# CONNECTOR

## 050 WP SERIES

### WIRE TO UNIT

| Poles      | FEMALE                | Poles      | FEMALE                | Poles      | FEMALE                |
|------------|-----------------------|------------|-----------------------|------------|-----------------------|
| 8P<br>LH   | 22.25<br>32.8<br>31.6 | 7P<br>LH   | 22.25<br>32.8<br>31.6 | 7P<br>RH   | 22.25<br>32.8<br>31.6 |
| P/N        | HKC08-12201           | P/N        | HKC07-12221           | P/N        | HKC07-12248           |
| 6P<br>LH-A | 22.25<br>32.8<br>31.6 | 6P<br>LH-B | 22.25<br>32.8<br>31.6 | 6P<br>RH-A | 22.25<br>32.8<br>31.6 |
| P/N        | HKC06-12221           | P/N        | HKC06-12261           | P/N        | HKC06-12248           |
| 6P<br>RH-B | 22.25<br>32.8<br>31.6 | 5P<br>LH-A | 22.25<br>32.8<br>31.6 | 5P<br>LH-B | 22.25<br>32.8<br>31.6 |
| P/N        | HKC06-12288           | P/N        | HKC05-12221           | P/N        | HKC05-12261           |
| 5P<br>LH-C | 22.25<br>32.8<br>31.6 | 5P<br>RH-A | 22.25<br>32.8<br>31.6 | 5P<br>RH-B | 22.25<br>32.8<br>31.6 |
| P/N        | HKC05-12301           | P/N        | HKC05-12248           | P/N        | HKC05-12288           |
| 5P<br>RH-C | 22.25<br>32.8<br>31.6 | 4P<br>LH   | 22.25<br>32.8<br>31.6 | 4P<br>RH   | 22.25<br>32.8<br>31.6 |
| P/N        | HKC05-12328           | P/N        | HKC04-12221           | P/N        | HKC04-12248           |

적용 TML

| TYPE | 구분 | SIZE | SQ      | P/No        |
|------|----|------|---------|-------------|
| 050  | F  | S    | 0.3~0.5 | TKC12-12222 |
|      |    | M    | 0.85    | TKC33-12222 |

적용 TPA

| TYPE | 구분 | P/No        |
|------|----|-------------|
| TPA  | F  | RKC08-12202 |

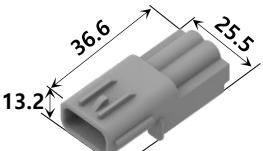
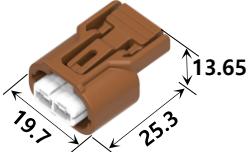
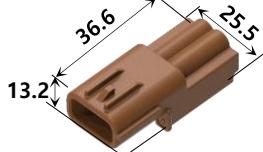


# CONNECTOR

4.5 PITCH

## 060 WP SERIES

### WIRE TO WIRE

| Poles          | FEMALE  | MALE  | Poles          | FEMALE   | MALE  |
|----------------|---|---|----------------|--|---|
| 2P<br>Coding A |  |  | 2P<br>Coding B |  |  |
| P/N            | 5011-0197-3   | 5021-0202-3   | P/N            | 5011-0198-2  | 5021-0203-2   |
| 2P<br>Coding C |  |  | 2P<br>HT (내열)  |  |   |
| P/N            | HKC02-15066   | HKC02-15056   | P/N            | 5011-0219-6  |   |

#### 적용 TML

| TYPE | 구분 | SIZE | SQ        | P/No      |
|------|----|------|-----------|-----------|
| 060  | F  | S    | 0.3~0.5   | 8240-0438 |
|      |    |      |           | 8240-0441 |
|      |    | M    | 0.75~1.25 | 8240-0439 |
|      |    |      |           | 8240-0442 |
|      | M  | S    | 0.3~0.5   | 8230-5265 |
|      |    |      |           | 8230-5268 |
|      |    | M    | 0.75~1.25 | 8230-5266 |
|      |    |      |           | 8230-5269 |

#### 적용 W/SEAL

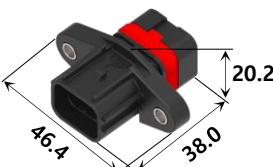
| TYPE      | SIZE | SQ        | P/No      |
|-----------|------|-----------|-----------|
| Wire Seal | S    | 0.3~0.5   | 7165-1518 |
|           | M    | 0.75~1.25 | 7165-1519 |

# CONNECTOR

4.0 PITCH

## 060 WP SERIES

### WIRE TO WIRE

| Poles                     | FEMALE  | MALE   | Poles | FEMALE | MALE |
|---------------------------|---|--|-------|--------|------|
| 6P<br>Coding Color<br>█ □ |  21.45<br>24.8<br>28.7 |  20.2<br>46.4<br>38.0 |       |        |      |
| P/N                       | HKC06-16021   | HKC06-16011  |       |        |      |

#### 적용 TML

| TYPE | 구분 | SIZE | SQ        | P/No      |
|------|----|------|-----------|-----------|
| 060  | F  | S    | 0.3~0.5   | 8240-0438 |
|      |    |      |           | 8240-0441 |
|      |    | M    | 0.75~1.25 | 8240-0660 |
|      |    |      |           | 8240-0659 |
|      | M  | S    | 0.3~0.5   | 8230-5265 |
|      |    |      |           | 8230-5268 |
|      |    | M    | 0.75~1.25 | 8230-5266 |
|      |    |      |           | 8230-5269 |

#### 적용 W/SEAL

| TYPE       | SIZE | SQ      | P/No        |
|------------|------|---------|-------------|
| Wire Seal  | S    | 0.3~0.5 | JKC00-15001 |
|            | M    | 0.75    | JKC00-15007 |
|            | L    | 1.25    | JKC00-15008 |
| Dummy Seal | -    | -       | 3021-0028   |

# CONNECTOR

## 110 WP SERIES

### WIRE TO UNIT

| Poles | FEMALE  | MALE | Poles | FEMALE | MALE |
|-------|---|------|-------|--------|------|
| 2P    | <br>25.0<br>30.5<br>20.1 |      |       |        |      |
| P/N   | HKC02-11101   |      |       |        |      |

#### 적용 TML

| TYPE | 구분 | SIZE | SQ       | P/No        |
|------|----|------|----------|-------------|
| 110  | F  | S    | 0.3      | TKC11-11102 |
|      |    |      |          | TKC11-11106 |
|      |    | M    | 0.5~0.85 | TKC23-11102 |
|      |    |      |          | TKC23-11106 |
|      |    | S    | 1.25~2.5 | TKC46-11102 |
|      |    |      |          | TKC46-11106 |

#### 적용 W/SEAL

| TYPE       | SIZE | SQ         | P/No        |
|------------|------|------------|-------------|
| Wire Seal  | S    | 0.3 ~ 0.85 | JKC00-11106 |
|            | M    | 1.25 ~ 2.0 | JKC00-11101 |
|            | L    | 2.5        | JKC00-11108 |
| Dummy Seal | -    | -          | JKC00-53437 |

#### 적용 TPA

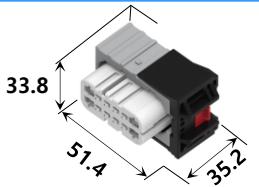
| TYPE        | 구분 | P/No        |
|-------------|----|-------------|
| REAR HOLDER | F  | RKC02-11108 |



# CONNECTOR

## HYBRID SERIES-LIF WP TYPE

### WIRE TO UNIT

| Poles                             | FEMALE  |
|-----------------------------------|---|
| <b>12P</b><br>060: 8P<br>110 : 4P |  |
| P/N                               | <b>HKC12-72828</b>  |

#### 적용 TML

| TYPE | 구분 | SIZE | SQ        | P/No        |
|------|----|------|-----------|-------------|
| 060  | F  | S    | 0.3~0.5   | 8240-0957   |
|      |    | M    | 0.85~1.25 | 8240-0958   |
| 110  | F  | S    | 0.3       | TKC11-11102 |
|      |    | M    | 0.5~0.85  | TKC23-11102 |
|      |    | L    | 1.25~2.5  | TKC46-11102 |

#### 적용 REAR HOLDER (110)

| TYPE        | 구분 | P/No        |
|-------------|----|-------------|
| REAR HOLDER | F  | RKC12-72821 |

#### 적용 COVER

| TYPE       | 구분    | P/No        |
|------------|-------|-------------|
| REAR COVER | UPPER | CKC1C-06411 |
|            | UNDER | CKC1C-06401 |

#### 적용 W/SEAL (060)

| TYPE       | SIZE | SQ      | P/No        |
|------------|------|---------|-------------|
| Wire Seal  | S    | 0.3~0.5 | JKC00-15001 |
|            | M    | 0.75    | JKC00-15007 |
|            | L    | 1.25    | JKC00-15008 |
| Dummy Seal | -    | -       | 3021-0028   |

#### 적용 W/SEAL (110)

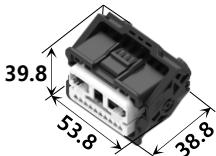
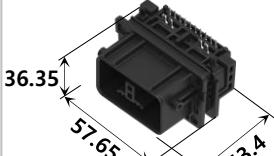
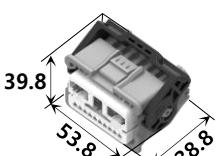
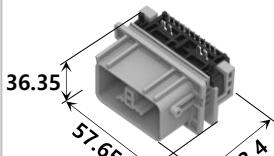
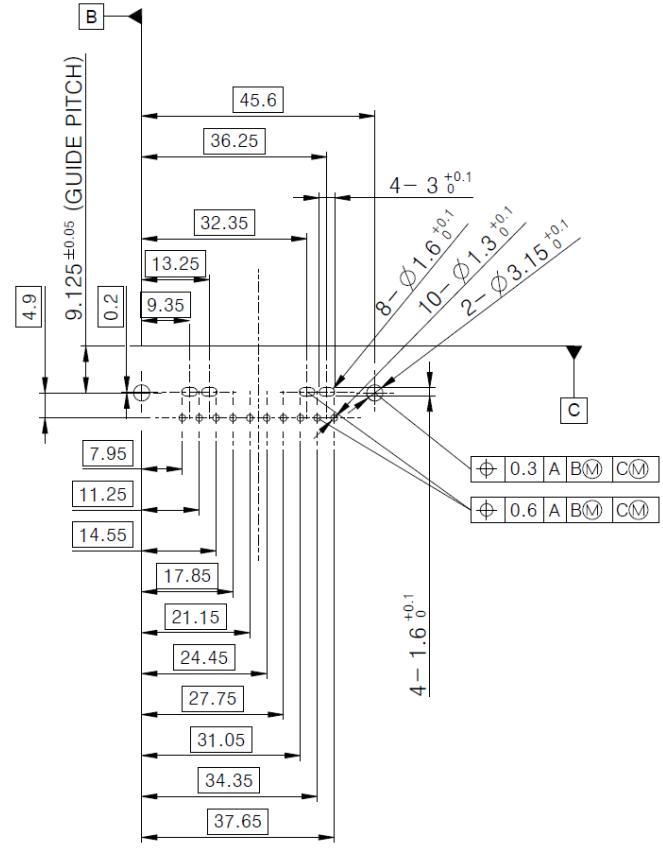
| TYPE       | SIZE | SQ         | P/No        |
|------------|------|------------|-------------|
| Wire Seal  | S    | 0.3 ~ 0.85 | JKC00-11106 |
|            | M    | 1.25 ~ 2.0 | JKC00-11101 |
|            | L    | 2.5        | JKC00-11108 |
| Dummy Seal | -    | -          | JKC00-53437 |



# CONNECTOR

## HYBRID SERIES-LIF WP TYPE

### WIRE TO PCB

| Poles                             | FEMALE  | MALE  | PCB LAYOUT  |
|-----------------------------------|---|---|---|
| <b>12P</b><br>025: 10P<br>312: 2P |  |  |   |
| P/N                               | <b>HKC12-65421</b>  | <b>HKC12-65411</b>  |   |
| <b>12P</b><br>025: 10P<br>312: 2P |  |  |   |
| P/N                               | <b>HKC12-65448</b>  | <b>HKC12-65438</b>  |  |

#### 적용 TML

| TYPE | 구분 | SIZE | SQ      | P/No        |
|------|----|------|---------|-------------|
| 025  | F  | S    | 0.22    | TKCA0-12522 |
|      |    | M    | 0.3~0.5 | TKC12-12522 |
| 312  | F  | -    | 5.0     | ST730652-3  |

#### 적용 REAR HOLDER

| TYPE        | 구분 | P/No        |
|-------------|----|-------------|
| REAR HOLDER | F  | RKC12-65421 |



#### 적용 W/SEAL (025)

| TYPE       | SIZE | SQ   | P/No        |
|------------|------|------|-------------|
| Wire Seal  | S    | 0.22 | JKC00-12521 |
|            | M    | 0.3  | JKC00-12524 |
|            | L    | 0.5  | JKC00-12527 |
| Dummy Seal | -    | -    | JKC00-12538 |

#### 적용 W/SEAL (312)

| TYPE       | SIZE | SQ  | P/No     |
|------------|------|-----|----------|
| Wire Seal  | -    | 5.0 | MG680954 |
| Dummy Seal | -    | -   | MG680961 |

# CONNECTOR

## HEADLAMP WP SERIES

### WIRE TO UNIT

| Poles | FEMALE  | MALE | Poles | FEMALE | MALE |
|-------|---|------|-------|--------|------|
| 3P    |  |      |       |        |      |
| P/N   | HKC03-16321   |      |       |        |      |

#### 적용 TML

| TYPE                                | 구분 | SQ        | P/No          |
|-------------------------------------|----|-----------|---------------|
| LEAR 社<br>TML ( $\varnothing 1.6$ ) | F  | 0.3~0.5   | 25703-123-178 |
|                                     |    | 0.75~1.25 | 25704-123-178 |



※ 해당 단자에 적용되는 전선의 외경은 아래 표를 참고하여 주십시오.

|                        |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|
| Wire size              | 0.3 sq    | 0.5 sq    | 0.85 sq   | 1.25 sq   |
| Wire external diameter | 1.4 ~ 1.5 | 1.6 ~ 1.7 | 1.8 ~ 1.9 | 2.1 ~ 2.2 |

#### 적용 MAT SEAL

| TYPE     | SIZE | SQ         | P/No        |
|----------|------|------------|-------------|
| MAT SEAL | -    | 0.3 ~ 1.25 | JKC03-16323 |



#### 적용 MAT SEAL COVER

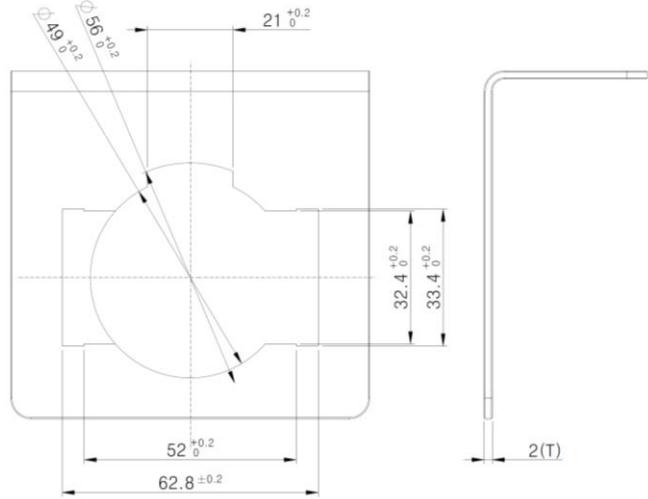
| TYPE           | 구분 | P/No        |
|----------------|----|-------------|
| MAT SEAL COVER | F  | RKC03-16328 |



# CONNECTOR

## TRAILER SERIES

### WIRE TO UNIT

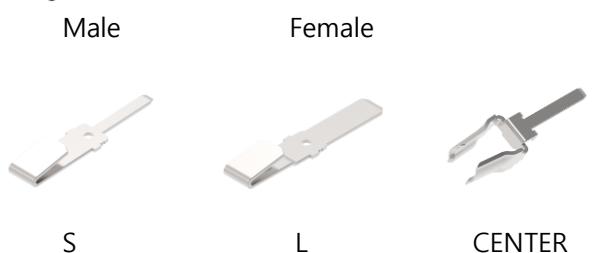
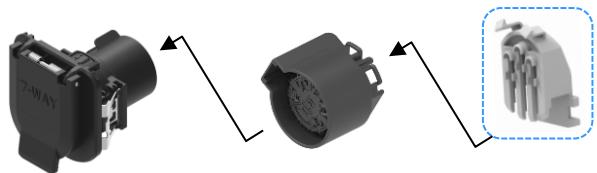
| Poles  | MALE  | PANEL SIZE   |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
|--|---|--|-----------|-------|------|---|--------|----------------|---|-------|------------|---|------|-----------------|---|-------|-----------------|---|--------|-------------|---|-------|-----------|---|------|---------------|
| 7P   |    |    |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| P/N  | HKC07-89711   |  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| TERMINAL CIRCUIT INFORMATION   |   | WIRE COLOR CHART   |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| FRONT  | REAR  |  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
|  |  | <table border="1"> <thead> <tr> <th>CIRCUIT #</th><th>COLOR</th><th>NAME</th></tr> </thead> <tbody> <tr> <td>1</td><td>YELLOW</td><td>LEFT TURN/STOP</td></tr> <tr> <td>2</td><td>WHITE</td><td>"-" GROUND</td></tr> <tr> <td>3</td><td>BLUE</td><td>ELECTRIC BRAKES</td></tr> <tr> <td>4</td><td>GREEN</td><td>RIGHT TURN/STOP</td></tr> <tr> <td>5</td><td>ORANGE</td><td>"+" BATTERY</td></tr> <tr> <td>6</td><td>BROWN</td><td>TAILLIGHT</td></tr> <tr> <td>7</td><td>GREY</td><td>REVERSE LIGHT</td></tr> </tbody> </table> | CIRCUIT # | COLOR | NAME | 1 | YELLOW | LEFT TURN/STOP | 2 | WHITE | "-" GROUND | 3 | BLUE | ELECTRIC BRAKES | 4 | GREEN | RIGHT TURN/STOP | 5 | ORANGE | "+" BATTERY | 6 | BROWN | TAILLIGHT | 7 | GREY | REVERSE LIGHT |
| CIRCUIT #  | COLOR   | NAME   |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 1  | YELLOW  | LEFT TURN/STOP   |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 2  | WHITE   | "-" GROUND   |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 3  | BLUE  | ELECTRIC BRAKES  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 4  | GREEN   | RIGHT TURN/STOP  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 5  | ORANGE  | "+" BATTERY  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 6  | BROWN   | TAILLIGHT  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |
| 7  | GREY  | REVERSE LIGHT  |           |       |      |   |        |                |   |       |            |   |      |                 |   |       |                 |   |        |             |   |       |           |   |      |               |

### 적용 COVER

| TYPE             | 구분 | P/No        |
|------------------|----|-------------|
| TRAILER 7F COVER | F  | CKC1C-06581 |

### 적용 TML

| TYPE   | 구분 | Current Range | Hole No. |
|--------|----|---------------|----------|
| S      |    | 20A           | 1, 3~6   |
| L      | M  | 40A           | 2        |
| CENTER |    | 20A           | 7        |



# CONNECTOR

## HV 110 SERIES

### WIRE TO UNIT

| Poles                       | FEMALE      | MALE        | SPECIFICATION   |
|-----------------------------|-------------|-------------|---|
| <b>2P</b><br><u>110: 2P</u> |             |             | <p>Wire size      2SQ/3SQ</p> <p>Current Range    24A [@80°C]</p> <p>Terminal Size    110</p> <p>Shield Type     Individual</p> <p>HVIL            Application</p> <p>Waterproof      IP69K</p>       |
| P/N                         | HKC02-11120 | HKC02-11110 |   |
| <b>4P</b><br><u>110: 4P</u> |             |             | <p>Wire size      0.5SQ/2SQ/3SQ</p> <p>Current Range    24A [@80°C]</p> <p>Terminal Size    110</p> <p>Shield Type     Individual</p> <p>HVIL            Application</p> <p>Waterproof      IP69K</p> |
| P/N                         | HKC04-11140 | HKC04-11130 |   |

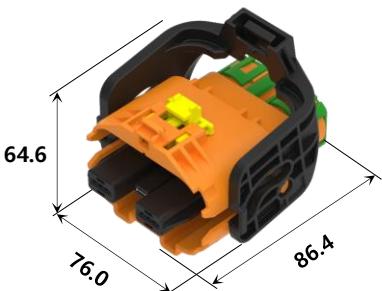
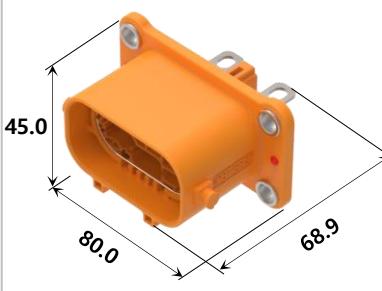
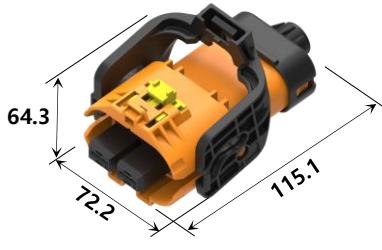
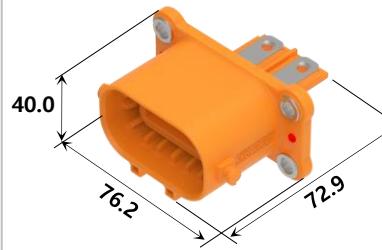
### 적용 TML

| TYPE | 구분  | SQ      | P/No        |
|------|-----|---------|-------------|
| F    | 110 | 2~4     | TKC56-11022 |
|      |     | 0.3~0.5 | TKC12-11022 |
| M    | 110 | 2~4     | TKC56-11012 |
|      |     | 0.3~0.5 | TKC12-11012 |

# CONNECTOR

## HV 375 SERIES

### WIRE TO UNIT

| Poles                | FEMALE   | MALE   | SPECIFICATION   |
|----------------------|--|--|---|
| <b>2P</b><br>375: 2P | <br><b>HKC02-57680</b>  | <br><b>HKC02-57670</b>  | <b>Wire size</b> 10SQ/16SQ<br><b>Current Range</b> 60A/80A [@80°C]<br><b>Terminal Size</b> 375<br><b>Shield Type</b> Individual<br><b>HVIL</b> Application<br><b>Waterproof</b> IP69K |
| <b>3P</b><br>375: 3P | <br><b>HKC02-57780</b> | <br><b>HKC02-57770</b> | <b>Wire size</b> 8SQ<br><b>Current Range</b> 48A [@80°C]<br><b>Terminal Size</b> 375<br><b>Shield Type</b> Individual<br><b>HVIL</b> Non-Application<br><b>Waterproof</b> IP69K       |
| <b>P/N</b>           | <b>HKC03-57620</b>   | <b>HKC03-57610</b>   | <b>Wire size</b> 12SQ<br><b>Current Range</b> 65A [@80°C]<br><b>Terminal Size</b> 375<br><b>Shield Type</b> Bundle<br><b>HVIL</b> Non-Application<br><b>Waterproof</b> IP69K          |

### 적용 TML

| TYPE | 구분  | SQ    | P/No       |
|------|-----|-------|------------|
| F    | 375 | 6~10  | 1-967588-1 |
|      |     | 10~16 | 1-967589-1 |

# CONNECTOR

## HV 375 SERIES

### WIRE TO UNIT

| Poles                           | FEMALE                  | MALE                     | SPECIFICATION   |
|---------------------------------|-------------------------|--------------------------|---|
| <b>4P</b><br>375: 4P            | <br>63.0<br>96<br>118.1 | <br>57.0<br>78.0<br>71.7 | <p>Wire size 6SQ(4)/8SQ(4)</p> <p>Current Range 48A [@80°C]</p> <p>Terminal Size 375</p> <p>Shield Type Individual/Multicore</p> <p>HVIL Non-Application</p> <p>Waterproof IP69K</p>                      |
| P/N                             | HKC06-67720             | HKC04-57750              |   |
| <b>6P</b><br>110: 2P<br>375: 4P | <br>63.0<br>96<br>118.1 | <br>57.0<br>78.0<br>71.7 | <p>Wire size 3SQ(2)/6SQ(4)/8SQ(4)</p> <p>Current Range 24A/48A [@80°C]</p> <p>Terminal Size 110(2)/375(4)</p> <p>Shield Type Individual/Multicore</p> <p>HVIL Non-Application</p> <p>Waterproof IP69K</p> |
| P/N                             | HKC06-67720             | HKC06-67710              |   |
|                                 | <br>63.0<br>96<br>118.1 | <br>57.0<br>96.0<br>73.0 | <p>Wire size 3SQ(2)/6SQ(4)/8SQ(4)</p> <p>Current Range 24A/48A [@80°C]</p> <p>Terminal Size 110(2)/375(4)</p> <p>Shield Type Individual/Multicore</p> <p>HVIL Application</p> <p>Waterproof IP69K</p>     |
| P/N                             | HKC06-67820             | HKC06-67870              |   |

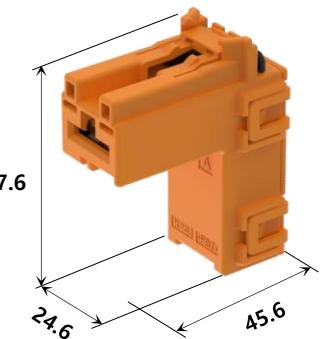
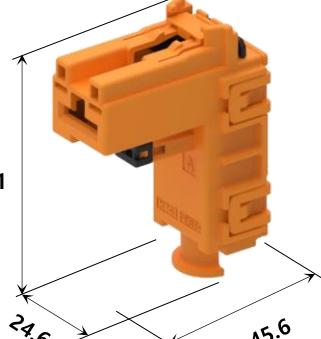
### 적용 TML

| TYPE | 구분  | SQ    | P/No        |
|------|-----|-------|-------------|
| F    | 375 | 6~10  | 1-967588-1  |
|      |     | 10~16 | 1-967589-1  |
|      | 110 | 2~4   | TKC56-11022 |

# CONNECTOR

## HV 512 SERIES

### WIRE TO UNIT

| Poles         | FEMALE   | MALE | SPECIFICATION  |
|---------------|--|------|--|
| 1P<br>512: 1P | <br><b>HKC01-51120</b>  |      | <b>Wire size</b> 12SQ/15SQ/25SQ<br><b>Current Range</b> 65A/75A/100A [@80°C]<br><b>Terminal Size</b> 512<br><b>Shield Type</b> Non-Application<br><b>HVIL</b> Non-Application<br><b>Waterproof</b> Non-Application |
|               | <br><b>HKC01-53120</b> |      | <b>Wire size</b> 12SQ/15SQ/25SQ<br><b>Current Range</b> 65A/75A/100A [@80°C]<br><b>Terminal Size</b> 512<br><b>Shield Type</b> Non-Application<br><b>HVIL</b> Application<br><b>Waterproof</b> Non-Application     |

#### 적용 TML

| TYPE | 구분  | SQ | P/No        |
|------|-----|----|-------------|
| F    | 512 | 12 | TKC07-51122 |
|      |     | 15 | TKC05-51122 |
|      |     | 25 | TKC03-51122 |

# CONNECTOR

## HV 512 SERIES

### WIRE TO UNIT

| Poles                       | FEMALE                         | MALE                           | SPECIFICATION  |
|-----------------------------|--------------------------------|--------------------------------|--|
|                             | <p>50.6<br/>86.6<br/>85.1</p>  | <p>46.6<br/>92.0<br/>72.0</p>  | <b>Wire size</b> 12SQ/25SQ<br><b>Current Range</b> 65A/100A [@80°C]<br><b>Terminal Size</b> 512<br><b>Shield Type</b> Individual<br><b>HVIL</b> Application<br><b>Waterproof</b> IP69K |
| <b>2P</b><br><u>512: 2P</u> | <b>HKC02-51320</b>             | <b>HKC02-51310</b>             |  |
|                             | <p>62.1<br/>79.3<br/>86.4</p>  | <p>50.0<br/>85.0<br/>67.95</p> | <b>Wire size</b> 12SQ/25SQ<br><b>Current Range</b> 65A/100A [@80°C]<br><b>Terminal Size</b> 512<br><b>Shield Type</b> Bundle<br><b>HVIL</b> Application<br><b>Waterproof</b> IP69K     |
|                             | <b>HKC02-51420</b>             | <b>HKC02-51410</b>             |  |
|                             | <p>43.35<br/>66.4<br/>96.4</p> |                                | <b>Wire size</b> 12SQ<br><b>Current Range</b> 65A [@80°C]<br><b>Terminal Size</b> 512<br><b>Shield Type</b> Individual<br><b>HVIL</b> Application<br><b>Waterproof</b> IP69K           |
| <b>P/N</b>                  | <b>HKC02-52280</b>             |                                |  |

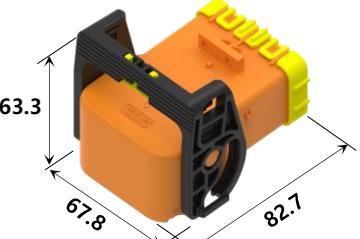
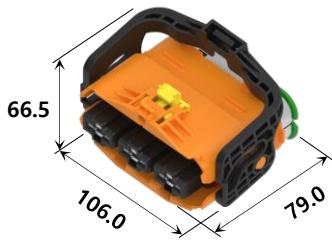
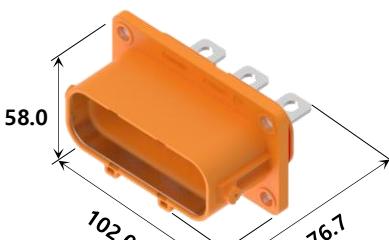
### 적용 TML

| TYPE | 구분  | SQ | P/No        |
|------|-----|----|-------------|
| F    | 512 | 12 | TKC07-51322 |
|      |     |    | TKC07-52222 |
|      |     | 25 | TKC03-51222 |

# CONNECTOR

## HV 570 SERIES

### WIRE TO UNIT

| Poles                | FEMALE  | MALE  | SPECIFICATION   |
|----------------------|---|---|---|
| <b>2P</b><br>570: 2P |    |   | <p>Wire size: 40SQ/70SQ<br/>           Current Range: 200A/270A [@80°C]<br/>           Terminal Size: 570<br/>           Shield Type: Bundle<br/>           HVIL: Application<br/>           Waterproof: IP69K</p>    |
|                      | <b>HKC02-57140</b>  |   |   |
| <b>3P</b><br>570: 3P |   |   | <p>Wire size: 15SQ/25SQ<br/>           Current Range: 160A [@80°C]<br/>           Terminal Size: 570<br/>           Shield Type: Individual<br/>           HVIL: Non-Application<br/>           Waterproof: IP69K</p> |
| P/N                  | <b>HKC02-57220</b>  | <b>HKC02-57210</b>  |   |
|                      |   |   |   |
| <b>3P</b><br>570: 3P |  |  | <p>Wire size: 30SQ<br/>           Current Range: 175A [@80°C]<br/>           Terminal Size: 570<br/>           Shield Type: Bundle<br/>           HVIL: Non-Application<br/>           Waterproof: IP69K</p>          |
| P/N                  | <b>HKC03-57020</b>  | <b>HKC03-57010</b>  |   |

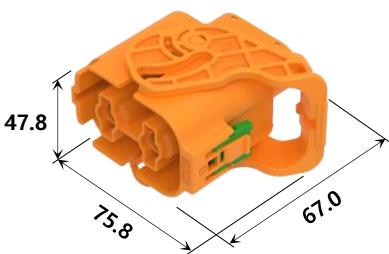
### 적용 TML

| TYPE | 구분  | SQ    | P/No       |
|------|-----|-------|------------|
| F    | 570 | 40    | 10004177   |
|      |     | 70    | 10017851-4 |
|      |     | 25~30 | 10004176   |

# CONNECTOR

## HV ROUND SERIES

### WIRE TO UNIT

| POLES                      | FEMALE   | MALE   | SPECIFICATION   |
|----------------------------|--|--|---|
| <b>2P</b><br><u>Ø6: 2P</u> |   |     | <p>Wire size      15SQ</p> <p>Current Range    100A [@80°C]</p> <p>Terminal Size   Ø6</p> <p>Shield Type     Bundle</p> <p>HVIL           Application</p> <p>Waterproof      IP69K</p>    |
| P/N                        | HKC02-00600  | HKC02-00698  |   |
| <b>2P</b><br><u>Ø9: 2P</u> |  |  | <p>Wire size      40SQ</p> <p>Current Range   200A [@80°C]</p> <p>Terminal Size   Ø9</p> <p>Shield Type     Individual</p> <p>HVIL           Application</p> <p>Waterproof      IP69K</p> |
| P/N                        | HKC02-01020  | HKC02-01010  |   |

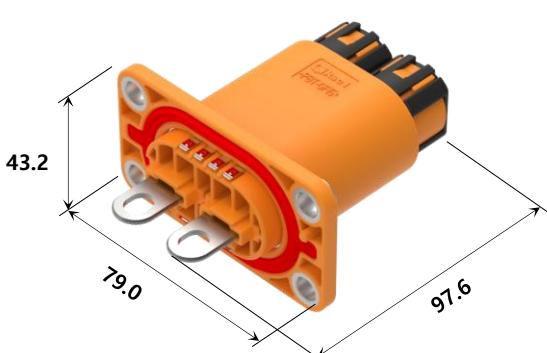
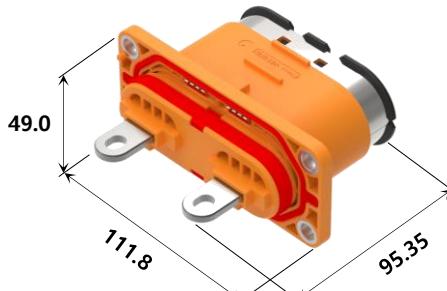
### 적용 TML

| TYPE | 구분 | SQ | P/No        |
|------|----|----|-------------|
| F    | Ø6 | 15 | 4011-0059   |
|      | Ø9 | 40 | TKCXX-01025 |
| M    | Ø6 | 15 | 4021-0060   |
|      | Ø9 | 40 | TKCXX-01015 |

# CONNECTOR

## HV RING TERMINAL SERIES

### WIRE TO UNIT

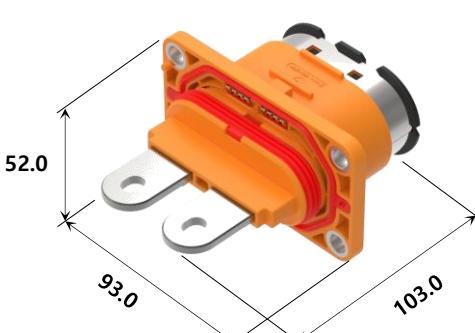
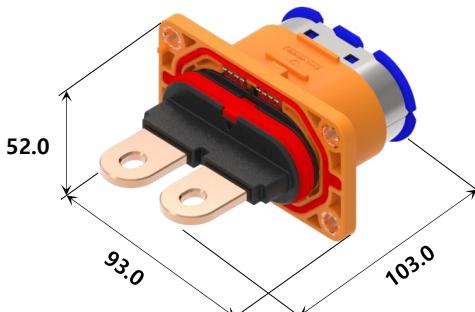
| Poles  | FEMALE   | MALE | SPECIFICATION  |
|--|--|------|--|
| <b>2P</b><br><u>M6</u><br>RING:<br><u>2P</u> | <br><b>HKC02-98510</b>  |      | <p>Wire size 10SQ/16SQ</p> <p>Current Range 60A/80A [@80°C]</p> <p>Terminal Size M6 RING TML</p> <p>Shield Type Individual</p> <p>HVIL -</p> <p>Waterproof IP69K</p> |
|  | <br><b>HKC02-98430</b> |      | <p>Wire size 40SQ</p> <p>Current Range 200A [@80°C]</p> <p>Terminal Size M6 RING TML</p> <p>Shield Type Bundle</p> <p>HVIL -</p> <p>Waterproof IP69K</p>             |

### 적용 TML

| TYPE        | 구분 | SQ | P/No        |
|-------------|----|----|-------------|
| RING<br>TML | -  | 10 | TKC07-8240N |
|             |    | 16 | TKC05-8240N |
|             |    | 40 | TKC40-8350N |

# CONNECTOR

## HV RING TERMINAL SERIES

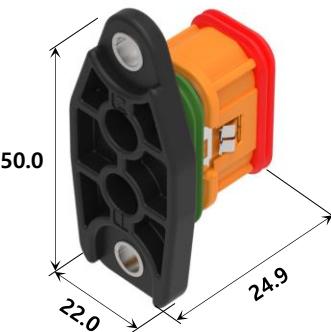
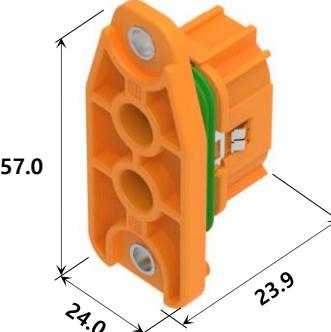
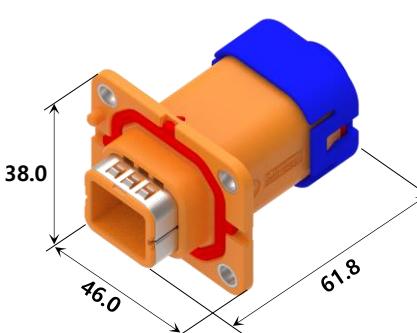
| Poles  | FEMALE   | MALE | SPECIFICATION  |
|--|--|------|--|
|  |   |      | <p>Wire size 40SQ/70SQ<br/>           Current Range 200A/300A [@80°C]<br/>           Terminal Size M6 RING TML<br/>           Shield Type Bundle<br/>           HVIL -<br/>           Waterproof IP69K</p> |
| <b>2P</b><br><u>M6</u><br>RING:<br><u>2P</u> | <b>HKC02-98450</b>   |      |  |
|  |  |      | <p>Wire size 85SQ<br/>           Current Range 350A [@80°C]<br/>           Terminal Size M6 RING TML<br/>           Shield Type Bundle<br/>           HVIL -<br/>           Waterproof IP69K</p>           |
|  | <b>HKC02-98470</b>   |      |  |

### 적용 TML

| TYPE | 구분  | SQ | P/No        |
|------|-----|----|-------------|
| RING | TML | 40 | TKC40-8450N |
|      |     | 70 | TKC70-8350N |
|      |     | 85 | TKC85-8150N |

# CONNECTOR

## HV RING TERMINAL SERIES

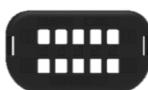
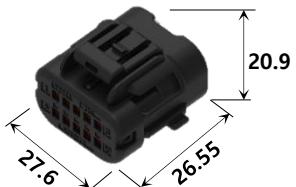
| POLES              | FEMALE  | MALE | SPECIFICATION  |
|--------------------|---|------|--|
| 2P<br>RING: 2P     |    |      | <p>Wire size: 3SQ</p> <p>Current Range: Depends on wire</p> <p>Terminal Size: -</p> <p>Shield Type: Individual</p> <p>HVIL: -</p> <p>Waterproof: IP69K</p> |
| <b>CKC1C-00321</b> |   |      |  |
|                    |   |      | <p>Wire size: 6SQ</p> <p>Current Range: Depends on wire</p> <p>Terminal Size: -</p> <p>Shield Type: Individual</p> <p>HVIL: -</p> <p>Waterproof: IP69K</p> |
| <b>CKC1C-03310</b> |   |      |  |
|                    |  |      | <p>Wire size: 8SQ</p> <p>Current Range: Depends on wire</p> <p>Terminal Size: -</p> <p>Shield Type: Individual</p> <p>HVIL: -</p> <p>Waterproof: IP69K</p> |
| P/N                | <b>HKC02-98550</b>  |      |  |

# CONNECTOR

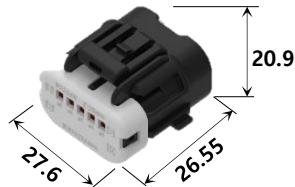
SIDE MIRROR  
SWS BRAND

025  
WP  
10P

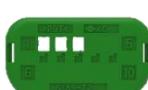
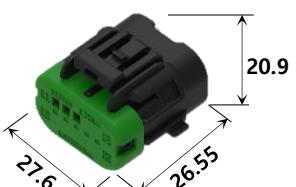
## Female Connector



F ( 6189-7236 )



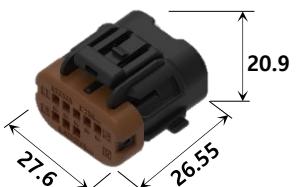
F ( 6189-7244 )



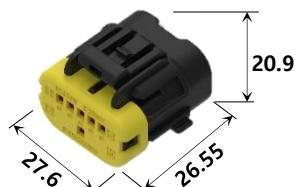
F ( 6189-7245 )



F ( 6189-7323 )



F ( 6189-7324 )



F ( 6189-7325 )



F ( 6189-7326 )



F ( 6189-7327 )

## Male Connector



M ( 6188-5270 )

## 적용 TML & W/SEAL

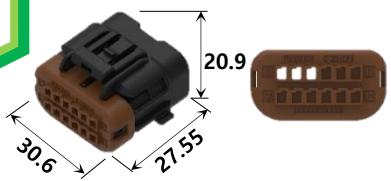
| Type       | 구분 | Size | SQ       | P/No      |
|------------|----|------|----------|-----------|
| TML        | F  | S    | 0.22~0.5 | 8100-3619 |
|            | M  | S    | 0.22~0.5 | 8100-3617 |
| W/SEAL     | -  | S    | -        | 7165-1198 |
| Dummy Seal | -  | S    | -        | 7165-0797 |

# CONNECTOR

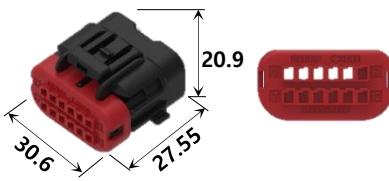
SIDE MIRROR  
SWS BRAND

025  
WP  
12P

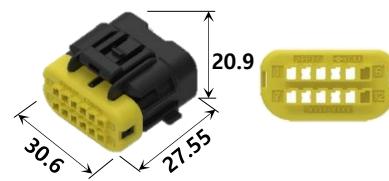
## Female Connector



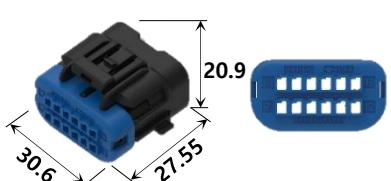
F ( 6098-7863 )



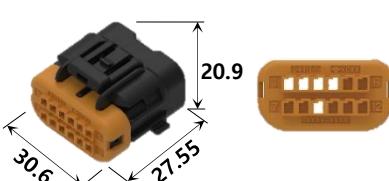
F ( 6189-7584 )



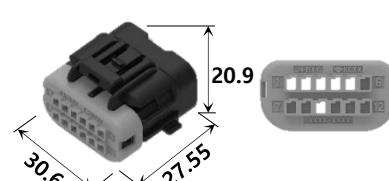
F ( 6189-7585 )



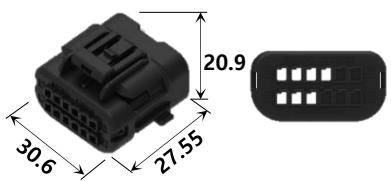
F ( 6189-7586 )



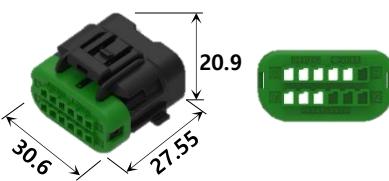
F ( 6189-7698 )



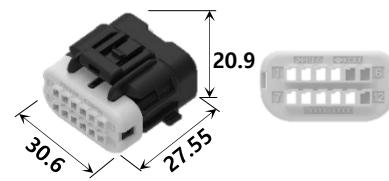
F ( 6189-7699 )



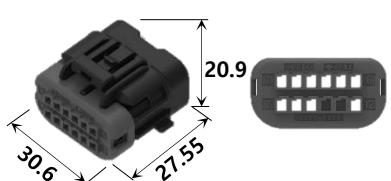
F ( 6189-7700 )



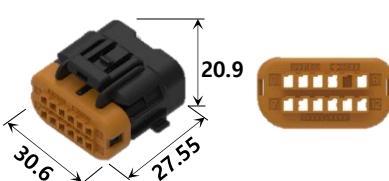
F ( 6189-7701 )



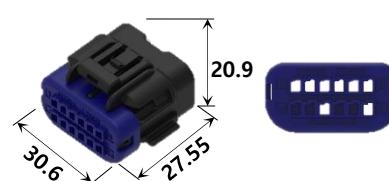
F ( 6189-7702 )



F ( 6189-7703 )



F ( 6189-7704 )



F ( 6189-8005 )

## Male Connector



M ( 6188-5656 )

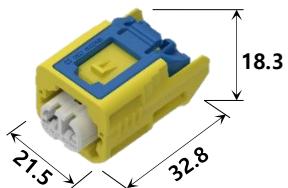
## 적용 TML & W/SEAL

| Type       | 구분 | Size | SQ       | P/No      |
|------------|----|------|----------|-----------|
| TML        | F  | S    | 0.22~0.5 | 8100-3619 |
|            | M  | S    | 0.22~0.5 | 8100-3617 |
| W/SEAL     | -  | S    | -        | 7165-1198 |
| Dummy Seal | -  | S    | -        | 7165-0797 |

# CONNECTOR

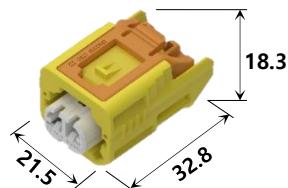
IMPACT SENSOR  
**SWS BRAND**

**040  
WP  
2F**



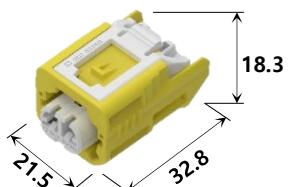
Coding 1

F ( 6189-7441 )



Coding 2

F ( 6189-7444 )



Coding 3

F ( 6189-7445 )



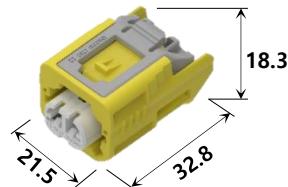
Coding 4

F ( 6189-7446 )



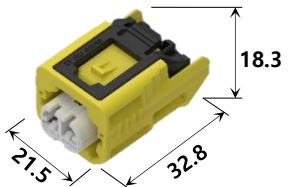
Coding 5

F ( 6189-7447 )



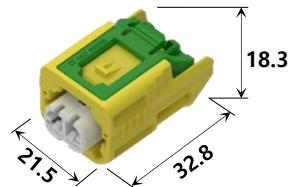
Coding 6

F ( 6189-7448 )



Coding A

F ( 6189-7799 )



Coding B

F ( 6189-7705 )

Key Code

| Coding 1 | Coding 2 | Coding 3 | Coding 4 | Coding 5 | Coding 6 | Coding A | Coding B |
|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          |          |          |          |          |          |          |

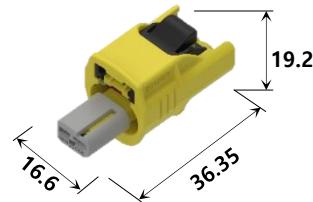
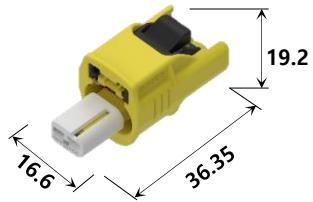
적용 TML & W/SEAL

| Type | Size   | SQ      | P/No      | Type   | Size | P/No      |
|------|--------|---------|-----------|--------|------|-----------|
| TML  | S (Au) | 0.3~0.5 | 8240-0516 | W/SEAL | S    | 3011-0030 |

# CONNECTOR

IMPACT SENSOR  
**SWS BRAND**

050  
WP  
2F

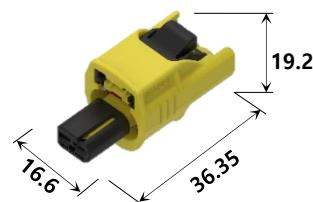
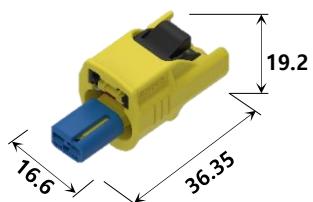


Coding A

F ( 6189-7662 )

Coding B

F ( 6189-7771 )

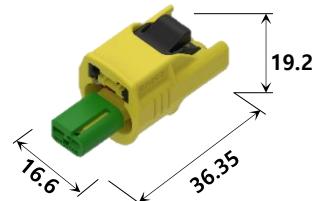


Coding C

F ( 6189-7779 )

Coding D

F ( 6189-7781 )



Coding F

F ( 6189-7782 )

## Key Code

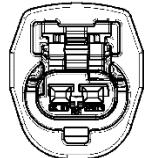
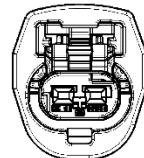
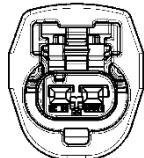
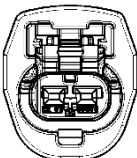
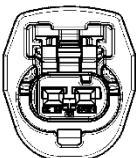
Coding A

Coding B

Coding C

Coding D

Coding F



## 적용 TML & W/SEAL

| Type | Size   | SQ      | P/No      | Type   | Size | P/No      |
|------|--------|---------|-----------|--------|------|-----------|
| TML  | S (Au) | 0.3~0.5 | 8240-0559 | W/SEAL | S    | 7165-1666 |
|      |        |         |           |        | M    | 7165-1685 |
|      |        |         |           |        | L    | 7165-1684 |

# CONNECTOR

HIGH VIBRATION ( IGNITION COIL )  
**SWS BRAND**

050  
WP  
4F



Coding 1

F ( 6189-7667 )



Coding 2

F ( 6189-7668 )



Coding 3

F ( 6189-7669 )

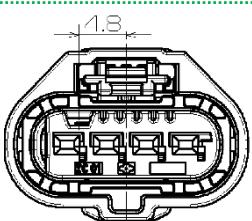


Coding 4

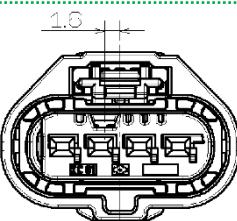
F ( 6189-7670 )

Key Code

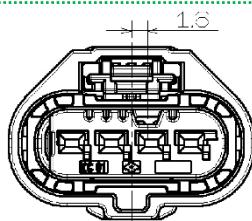
Coding 1



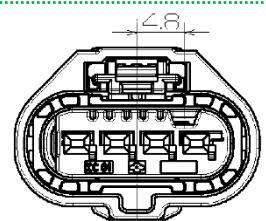
Coding 2



Coding 3



Coding 4



적용 TML & W/SEAL

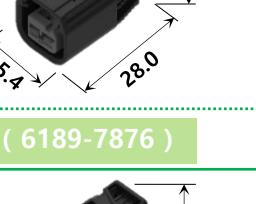
| Type | Size   | SQ        | P/No      | Type       | Size | P/No      |
|------|--------|-----------|-----------|------------|------|-----------|
| TML  | S (Sn) | 0.3~0.5   | 8240-0560 | W/SEAL     | S    | 7165-1666 |
|      | S (Au) |           | 8240-0559 |            | M    | 7165-1685 |
|      | M (Sn) |           | 8240-0558 |            | L    | 7165-1684 |
|      | M (Au) | 0.75~1.25 | 8240-0557 | Dummy Seal | -    | 7165-1711 |

# CONNECTOR

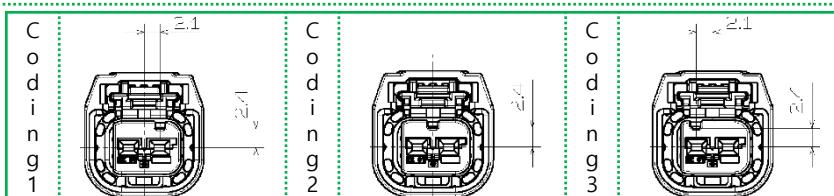
## HIGH VIBRATION

# **SWS BRAND**

050  
WP  
2F

| C<br>P<br>A<br>(O) | Coding 1  | Coding 2  | Coding 3  |
|--------------------|---|---|---|
| P/No               | F ( 6189-7856 )   | F ( 6189-7876 )   | F ( 6189-7877 )   |
| C<br>P<br>A<br>(O) |    |    |    |
| P/No               | F ( 6189-7954 )   | F ( 6189-7955 )   | F ( 6189-7956 )   |
| C<br>P<br>A<br>(X) |   |   |   |
| P/No               | F ( 6189-7900 )   | F ( 6189-7901 )   | F ( 6189-7902 )   |
| C<br>P<br>A<br>(X) |  |  |  |
| P/No               | F ( 6189-7957 )   | F ( 6189-7958 )   | F ( 6189-7959 )   |

## Key Code



적용 TML & W/SEAL

| Type | Size    | SQ      | P/No      | Type | Size    | SQ             | P/No      | Type       | Size | P/No      |
|------|---------|---------|-----------|------|---------|----------------|-----------|------------|------|-----------|
| TML  | S (Ag)  |         | 8240-0645 | TML  | M (Ag)  |                | 8240-0644 | W/SEAL     | S    | 7165-1666 |
|      | S (Sn)  | 0.3~0.5 | 8240-0560 |      | M (Sn)  | 0.75<br>~ 1.25 | 8240-0558 |            | M    | 7165-1685 |
|      | S (Au+) |         | 8240-0650 |      | M (Au+) |                | 8240-0649 |            | L    | 7165-1684 |
|      |         |         |           |      |         |                |           | Dummy Seal | -    | 7165-1711 |

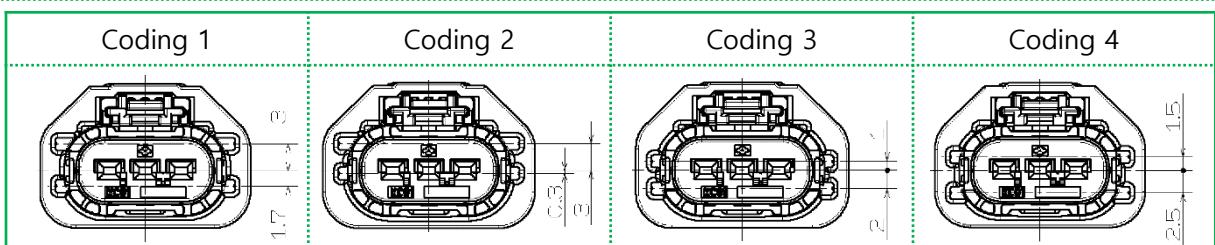
# CONNECTOR

HIGH VIBRATION  
SWS BRAND

050  
WP  
3F

|                    | Coding 1        | Coding 2        | Coding 3        | Coding 4        |
|--------------------|-----------------|-----------------|-----------------|-----------------|
| C<br>P<br>A<br>(○) |                 |                 |                 |                 |
| P/No               | F ( 6189-7625 ) | F ( 6189-7626 ) | F ( 6189-7627 ) | F ( 6189-7628 ) |
| C<br>P<br>A<br>(X) |                 |                 |                 |                 |
| P/No               | F ( 6189-7571 ) | F ( 6189-7622 ) | F ( 6189-7623 ) | F ( 6189-7624 ) |

Key Code



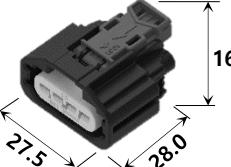
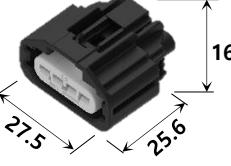
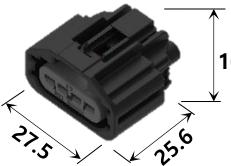
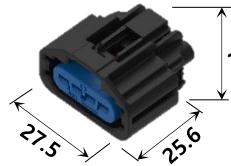
적용 TML & W/SEAL

| Type | Size    | SQ      | P/No      | Type | Size    | SQ     | P/No      | Type       | Size | P/No      |
|------|---------|---------|-----------|------|---------|--------|-----------|------------|------|-----------|
| TML  | S (Ag)  |         | 8240-0645 | TML  | M (Ag)  |        | 8240-0644 | W/SEAL     | S    | 7165-1666 |
|      | S (Sn)  | 0.3~0.5 | 8240-0560 |      | M (Sn)  | 0.75   | 8240-0558 |            | M    | 7165-1685 |
|      | S (Au+) |         | 8240-0650 |      | M (Au+) | ~ 1.25 | 8240-0649 |            | L    | 7165-1684 |
|      |         |         |           |      |         |        |           | Dummy Seal | -    | 7165-1711 |

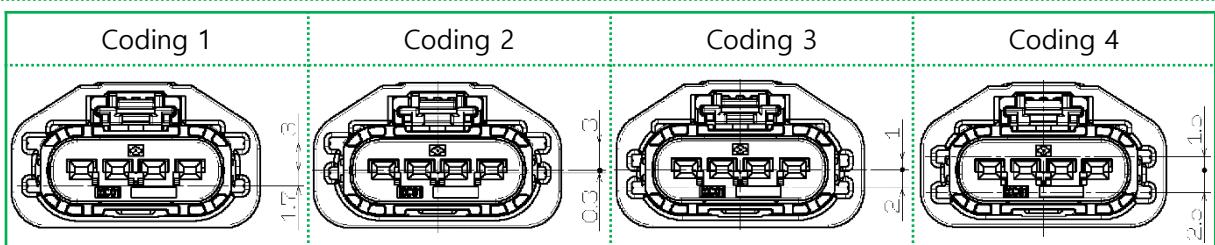
# CONNECTOR

HIGH VIBRATION  
SWS BRAND

050  
WP  
4F

|                    | Coding 1  | Coding 2  | Coding 3   | Coding 4  |
|--------------------|---|---|--|---|
| C<br>P<br>A<br>(○) |  16.1<br>27.5<br>28.0  |  16.1<br>27.5<br>28.0  |  16.1<br>27.5<br>28.0  |  16.1<br>27.5<br>28.0  |
| P/No               | F ( 6189-7618 )   | F ( 6189-7619 )   | F ( 6189-7620 )  | F ( 6189-7621 )   |
| C<br>P<br>A<br>(X) |  16.1<br>27.5<br>25.6 |  16.1<br>27.5<br>25.6 |  16.1<br>27.5<br>25.6 |  16.1<br>27.5<br>25.6 |
| P/No               | F ( 6189-7614 )   | F ( 6189-7615 )   | F ( 6189-7616 )  | F ( 6189-7617 )   |

Key Code



## 적용 TML & W/SEAL

| Type | Size    | SQ      | P/No      | Type | Size    | SQ          | P/No      | Type       | Size | P/No      |
|------|---------|---------|-----------|------|---------|-------------|-----------|------------|------|-----------|
| TML  | S (Ag)  |         | 8240-0645 | TML  | M (Ag)  |             | 8240-0644 | W/SEAL     | S    | 7165-1666 |
|      | S (Sn)  | 0.3~0.5 | 8240-0560 |      | M (Sn)  | 0.75 ~ 1.25 | 8240-0558 |            | M    | 7165-1685 |
|      | S (Au+) |         | 8240-0650 |      | M (Au+) |             | 8240-0649 |            | L    | 7165-1684 |
|      |         |         |           |      |         |             |           | Dummy Seal | -    | 7165-1711 |

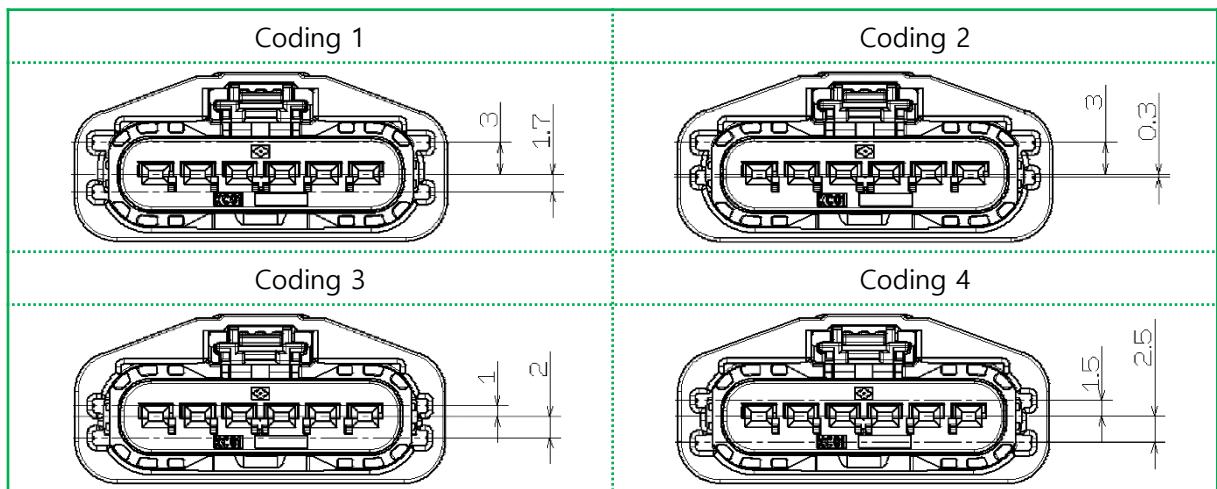
# CONNECTOR

HIGH VIBRATION  
**SWS BRAND**

**050**  
**WP**  
**6F**

|                    | Coding 1        | Coding 2        | Coding 3        | Coding 4        |
|--------------------|-----------------|-----------------|-----------------|-----------------|
| C<br>P<br>A<br>(○) |                 |                 |                 |                 |
| P/No               | F ( 6189-7911 ) | F ( 6189-7912 ) | F ( 6189-7913 ) | F ( 6189-7914 ) |

Key Code



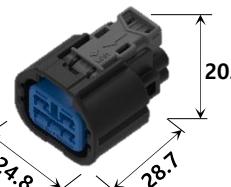
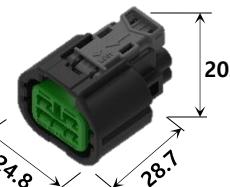
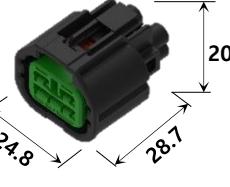
## 적용 TML & W/SEAL

| Type | Size    | SQ      | P/No      | Type | Size    | SQ          | P/No      | Type       | Size | P/No      |
|------|---------|---------|-----------|------|---------|-------------|-----------|------------|------|-----------|
| TML  | S (Ag)  |         | 8240-0645 | TML  | M (Ag)  |             | 8240-0644 | W/SEAL     | S    | 7165-1666 |
|      | S (Sn)  | 0.3~0.5 | 8240-0560 |      | M (Sn)  | 0.75 ~ 1.25 | 8240-0558 |            | M    | 7165-1685 |
|      | S (Au+) |         | 8240-0650 |      | M (Au+) |             | 8240-0649 |            | L    | 7165-1684 |
|      |         |         |           |      |         |             |           | Dummy Seal | -    | 7165-1711 |

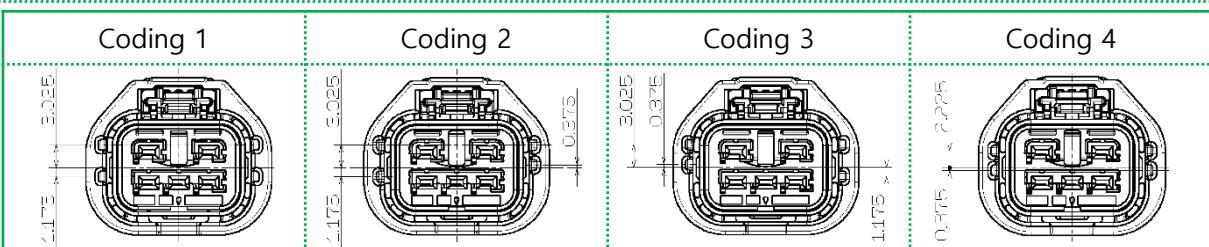
# CONNECTOR

HIGH VIBRATION  
SWS BRAND

060  
WP  
5F

|                    | Coding 1   | Coding 2   | Coding 3  | Coding 4   |
|--------------------|--|--|---|--|
| C<br>P<br>A<br>(○) |  20.875<br>24.8 28.1  |  20.875<br>24.8 28.1  |  20.875<br>24.8 28.1  |  20.875<br>24.8 28.1  |
| P/No               | F ( 6189-7611 )  | F ( 6189-7873 )  | F ( 6189-7874 )   | F ( 6189-7875 )  |
| C<br>P<br>A<br>(X) |  20.875<br>24.8 28.1 |  20.875<br>24.8 28.1 |  20.875<br>24.8 28.1 |  20.875<br>24.8 28.1 |
| P/No               | F ( 6189-7610 )  | F ( 6189-7905 )  | F ( 6189-7906 )   | F ( 6189-7907 )  |

Key Code



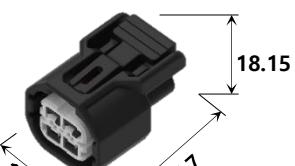
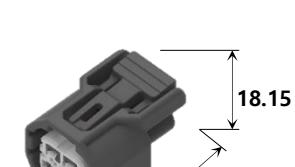
적용 TML & W/SEAL

| Type | Size   | SQ        | P/No      | Type   | Size | P/No      |
|------|--------|-----------|-----------|--------|------|-----------|
| TML  | S (Sn) | 0.35~0.5  | 8240-0438 | W/SEAL | S    | 7165-1676 |
|      | S (Au) |           | 8240-0441 |        | M    | 7165-1720 |
|      | M (Sn) | 0.75~1.25 | 8240-0660 |        | L    | 7165-1719 |
|      | M (Au) |           | 8240-0659 |        |      |           |

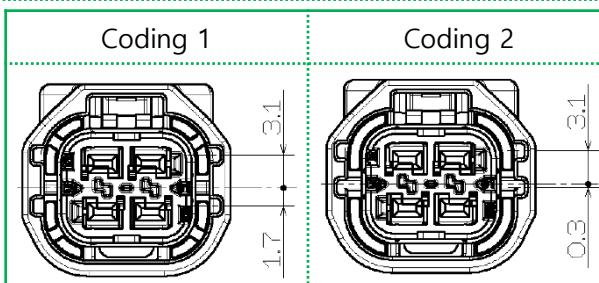
# CONNECTOR

**HIGH VIBRATION ( O2 SENSOR )**

**SWS BRAND**

|          | Female Connector  | Male Connector   |
|----------|---|--|
| Coding 1 | <br><b>F ( 6189-7272 )</b> | <br><b>M ( 6188-5304 )</b> |
| Coding 2 | <br><b>F ( 6189-7273 )</b> | <br><b>M ( 6188-5305 )</b> |

## Key Code



적용 TML & W/SEAL

| Type | 구분 | Size   | SQ        | P/No      | Type | 구분     | Size      | SQ        | P/No   | Type | Size      | P/No |  |
|------|----|--------|-----------|-----------|------|--------|-----------|-----------|--------|------|-----------|------|--|
| TML  | F  | S (Sn) | 0.35~0.5  | 8240-0438 | TML  | S (Sn) | 0.35~0.5  | 8230-5265 | W/SEAL | M    | 7165-1518 |      |  |
|      |    | S (Au) |           | 8240-0441 |      | S (Au) |           | 8230-5268 |        | L    | 7165-1519 |      |  |
|      |    | M (Sn) | 0.75~1.25 | 8240-0439 |      | M (Sn) | 0.75~1.25 | 8230-5266 |        |      |           |      |  |
|      |    | M (Au) |           | 8240-0442 |      | M (Au) |           | 8230-5269 |        |      |           |      |  |
|      |    | L (Sn) | 2.0       | 8240-0440 |      | L (Sn) | 2.0       | 8230-5267 |        |      |           |      |  |
|      |    | L (Au) |           | 8240-0443 |      | L (Au) |           | 8230-5270 |        |      |           |      |  |

# CONNECTOR

HIGH VIBRATION  
**SWS BRAND**

110  
WP  
2F



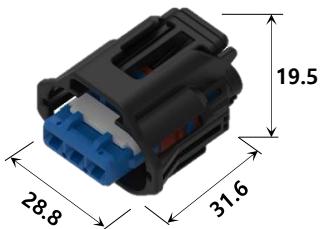
F ( 6189-7200 )

적용 TML & W/SEAL

| Type   | Size   | SQ       | P/No      |
|--------|--------|----------|-----------|
| TML    | S (Au) | 0.5~0.85 | 8240-0353 |
|        | M (Au) | 1.25     | 8240-0356 |
|        | S (Ag) | 0.5~0.85 | 8240-0354 |
|        | M (Ag) | 1.25     | 8240-0357 |
| W/SEAL | S      | -        | 7165-1451 |
|        | M      | -        | 7165-1454 |

110  
WP  
3F

Coding 1



F ( 6189-7201 )

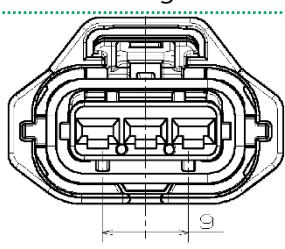
Coding 3



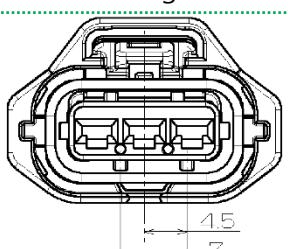
F ( 6189-7202 )

Key Code

Coding 1



Coding 3



적용 TML & W/SEAL

| Type   | Size   | SQ       | P/No      |
|--------|--------|----------|-----------|
| TML    | S (Au) | 0.5~0.85 | 8240-0353 |
|        | M (Au) | 1.25     | 8240-0356 |
|        | S (Ag) | 0.5~0.85 | 8240-0354 |
|        | M (Ag) | 1.25     | 8240-0357 |
| W/SEAL | S      | -        | 7165-1451 |
|        | M      | -        | 7165-1454 |

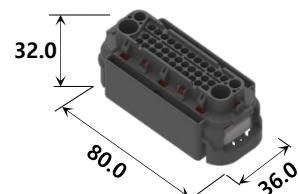
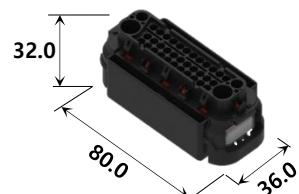
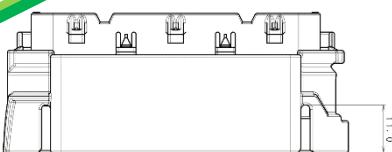
# CONNECTOR

ABS / ESC

**SWS BRAND**

060110187  
WP  
38F

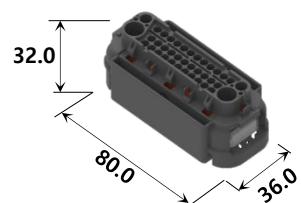
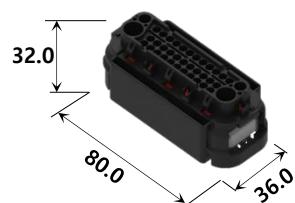
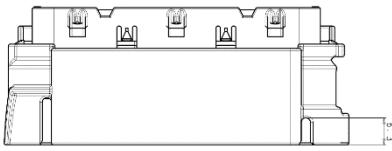
HKMC Standard



Coding 1 F ( 6189-7937 )

Coding 2 F ( 6189-7938 )

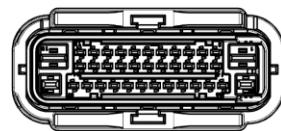
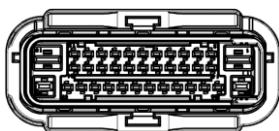
EUCON Standard



Coding 1 F ( 6189-7139 )

Coding 2 F ( 6189-7143 )

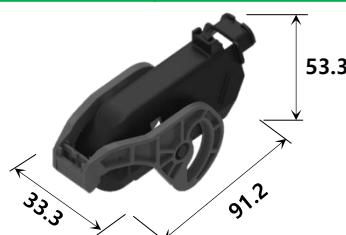
Key Code



Coding 1

Coding 2

Cover Assy ( 공용 )



Cover ( 6911-5083 )

적용 TML & W/SEAL

| Type | 시리즈   | SQ       | P/No        | Type   | 시리즈 | P/No      | Type       | 시리즈 | P/No      |
|------|-------|----------|-------------|--------|-----|-----------|------------|-----|-----------|
| TML  | 060 F | 0.35~0.5 | 8240-0304   | W/SEAL | 060 | 7165-1408 | Dummy Seal | 060 | 3021-0028 |
|      | 110 F | 1.25~2.5 | 0-1241396-1 |        | 110 | 1532-7863 |            |     |           |
|      | 187 F | 3.0      | 0-1241416-1 |        | 187 | 1532-7859 |            | 110 | 3021-0031 |
|      |       |          |             |        |     | 1536-3605 |            |     |           |

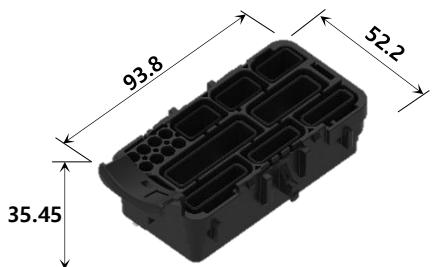
# CONNECTOR

**SEAT MODULE**  
**SWS BRAND**

050060  
WP  
58F

LH

F ( 6189-7177 )

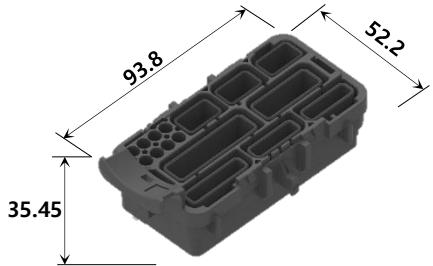


RH

F ( 6189-7196 )



F ( 6189-7194 )



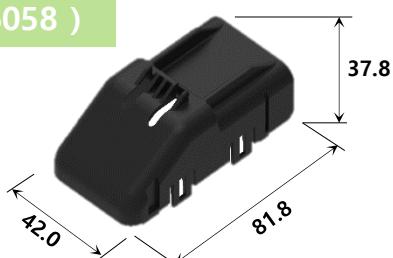
F ( 6189-7191 )



Cover

공용

Cover ( 6911-5251 / 6911-6058 )



적용 TML & W/SEAL

| Type         | Size   | SQ      | P/No      |
|--------------|--------|---------|-----------|
| TML<br>(050) | M (Sn) | 0.3~0.5 | 8240-0358 |
|              | M (Au) |         | 8240-0360 |

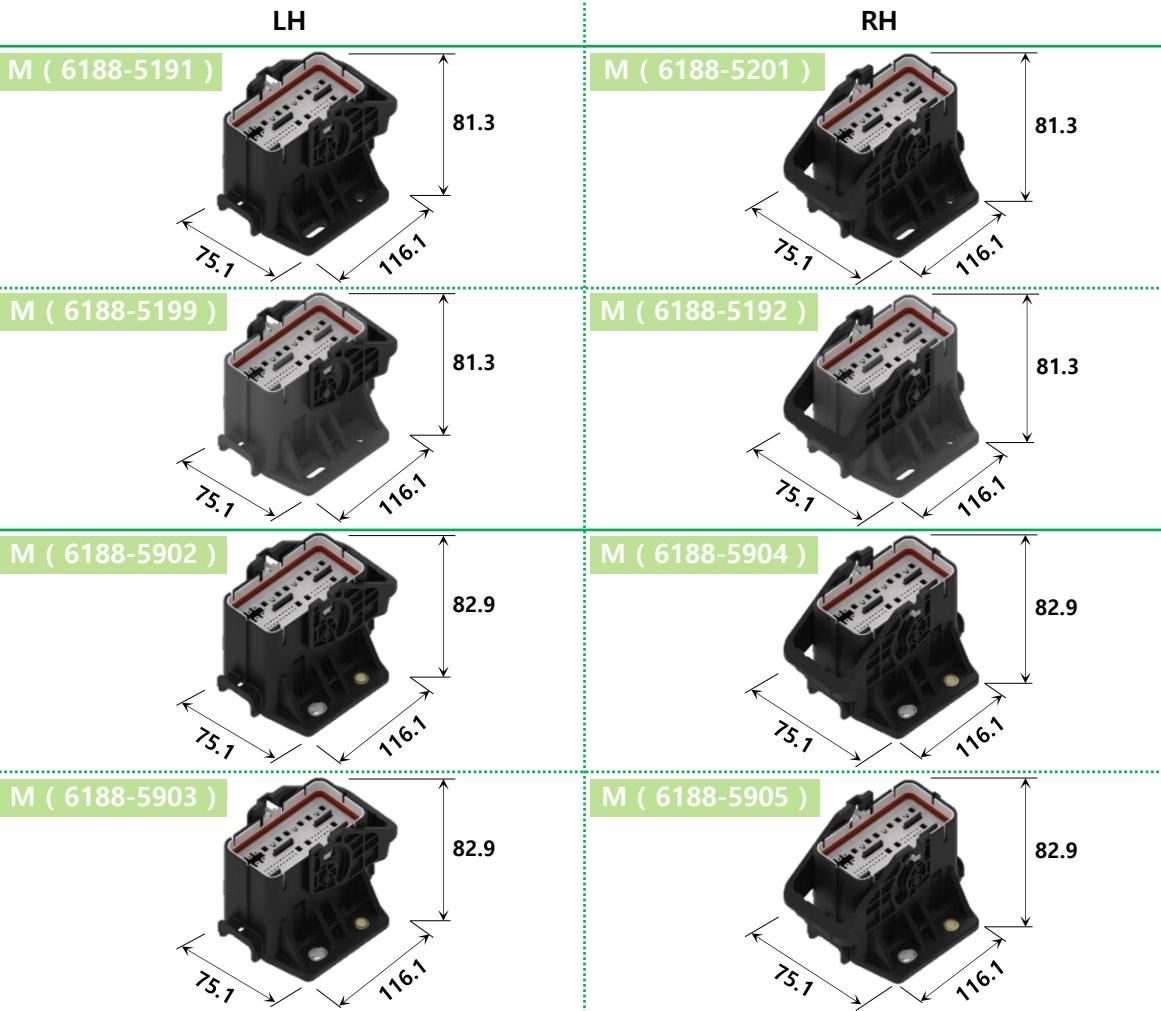
060 W/SEAL & Dummy Seal

| Type         | Size   | P/No      |
|--------------|--------|-----------|
| TML<br>(060) | S (Sn) | 0.3~0.5   |
|              | M (Sn) | 0.75~0.85 |
|              | L (Sn) | 1.25~2.0  |
| W/SEAL       |        |           |
| Dummy Seal   | -      | 7161-9787 |

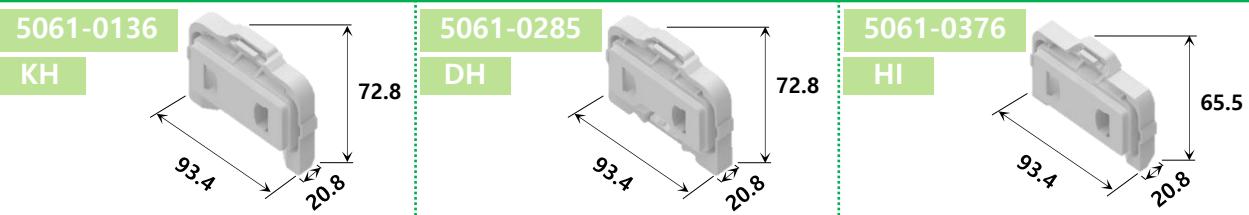
# CONNECTOR

SEAT MODULE  
**SWS BRAND**

**050060**  
**WP**  
**58M**



Dust Cap



적용 TML & W/SEAL

060 W/SEAL & Dummy Seal

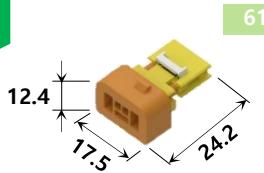
| Type      | Size             | SQ      | P/No                   | Type      | Size                       | SQ                               | P/No                                | Type       | Size        | P/No                                |
|-----------|------------------|---------|------------------------|-----------|----------------------------|----------------------------------|-------------------------------------|------------|-------------|-------------------------------------|
| TML (050) | M (Sn)<br>M (Au) | 0.3~0.5 | 8230-5146<br>8230-5143 | TML (060) | S (Sn)<br>M (Sn)<br>L (Sn) | 0.3~0.5<br>0.75~0.85<br>1.25~2.0 | 8100-3388<br>8100-3389<br>8100-3390 | W/SEAL     | S<br>M<br>L | 7165-0516<br>7165-0515<br>7165-0514 |
|           |                  |         |                        |           |                            |                                  |                                     | Dummy Seal | -           | 7161-9787                           |

# CONNECTOR

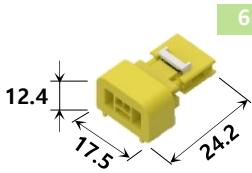
SEAT MODULE  
**SWS BRAND**

**050**  
**WP**  
**Sub**

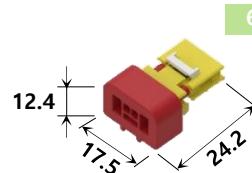
Female Sub Connector



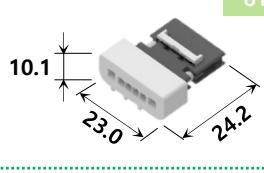
6189-7173



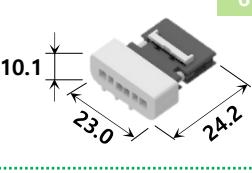
6189-7179



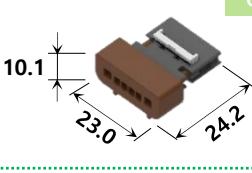
6189-7180



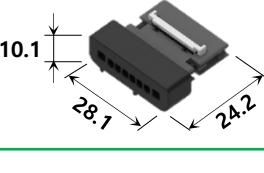
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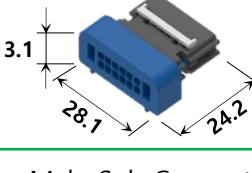
6189-7174



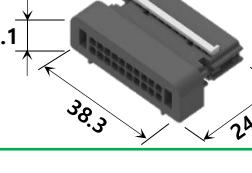
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6189-7175

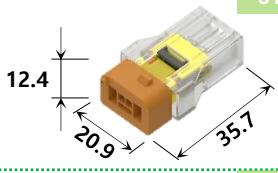


6189-7187

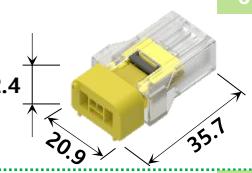


6189-7176

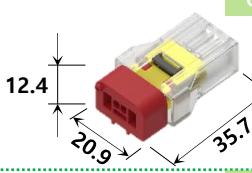
Male Sub Connector



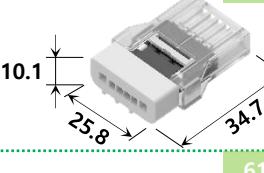
6188-5195



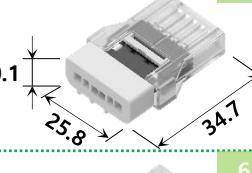
6188-5196



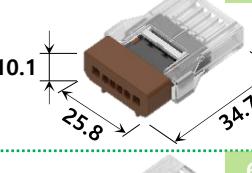
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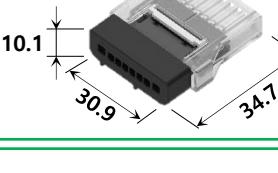
6189-7330



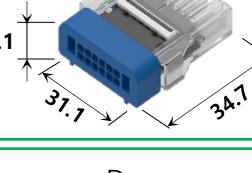
6189-7328



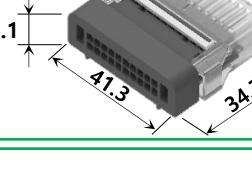
6189-7329



6189-7331

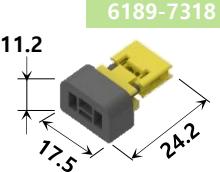


6189-7332

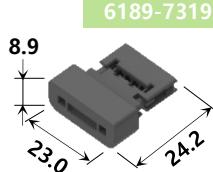


6189-7333

Dummy



6189-7318



6189-7319



6189-7320



6189-7321



6914-0120

# CONNECTOR

ACU  
**SWS BRAND**

025  
WP  
88P

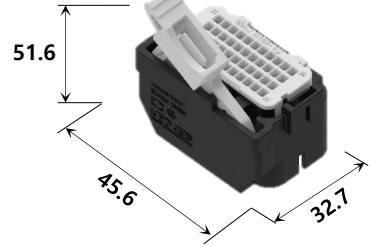
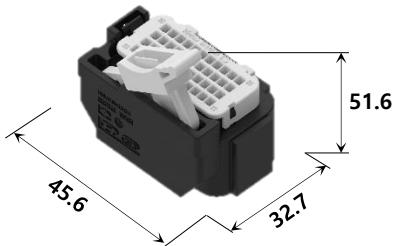
Female Connector

LH

RH

6189-7294

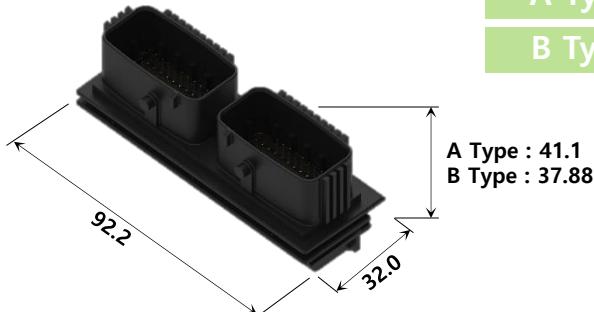
6189-7305



Male Connector

A Type : 6188-5358

B Type : 6188-5329



※ Zero Coding 기준이며, Coding 사양은 별도 문의.

Sub Product

Cover

6911-5535



6911-5534

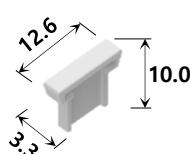


6911-5727



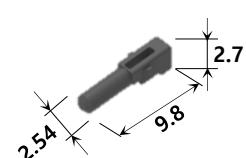
CLA

6910-7285



Dummy Plug

6914-0120



적용 TML

| Type | Size   | SQ      | P/No      |
|------|--------|---------|-----------|
| TML  | M (Au) | 0.3~0.5 | 8240-0360 |

# CONNECTOR

ACU  
**SWS BRAND**

NEW  
025  
WP  
88P

Female Connector

LH

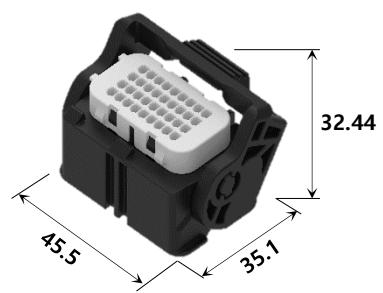
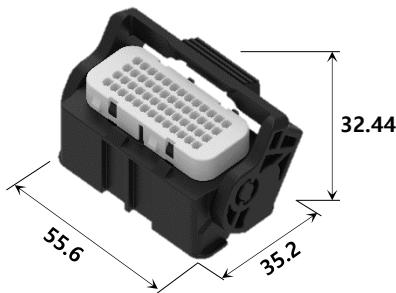
RH

F ( 6189-7942 : 52P )

F ( 6189-7936 : 45P )

F ( 6189-7941 : 36P )

F ( 6189-7935 : 31P )

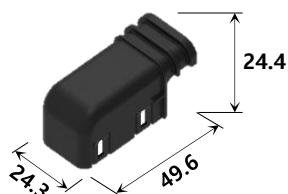


※ Zero Coding 기준이며, Coding 사양은 별도 문의.

Sub Product

Cover

6185-5544

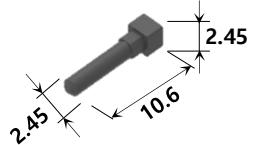


6185-5543



Dummy Plug

6914-0179



적용 TML

| Type | Size   | SQ      | P/No      |
|------|--------|---------|-----------|
| TML  | M (Au) | 0.3~0.5 | 8240-0651 |



<http://www.kyungshin.co.kr>

**경신**

인천 연수구 갯벌로 98 (주)경신

**Kyungshin Corp.**

98, Gaetbeol-ro, Yeonsu-gu Incheon, 21999