



## Push-Pull Self-locking B Series PHG Socket Straight Cable Mount Connector

Part Number:

**PHG.CLL**



| Basic Information   |                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector Type      | Socket                                                                                                                                                 |
| Contact Termination | Solder                                                                                                                                                 |
| Contact Type        | Female Pin                                                                                                                                             |
| Contacts            | 10 Pin, 12 Pin, 14 Pin, 16 Pin, 18 Pin, 19 Pin, 2 Pin, 20 Pin, 22 Pin, 24 Pin, 26 Pin, 3 Pin, 30 Pin, 32 Pin, 4 Pin, 5 Pin, 6 Pin, 7 Pin, 8 Pin, 9 Pin |
| Mounting Type       | Cable Mount                                                                                                                                            |
| Orientation         | Straight                                                                                                                                               |
| Product Series      | 00B, 0B, 1B, 2B, 3B, 4B                                                                                                                                |

### Environmental Specification

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Vibration Resistance      | 10-2000Hz.15g                                                      |
| Disinfection Resistance   | -20 times( PSU), >100 times (PPSU), >200 times (PEEK)              |
| Env Experiment            | 20 / 80 / 21                                                       |
| Environmental Experiment  | 50 / 175 / 21                                                      |
| Humidity Resistance       | Up to 95% at 60 °C                                                 |
| Impact Resistance         | 100g 6ms                                                           |
| Ingress Protection        | IP50                                                               |
| Leakage Rate              | < 10-7mbar. L.s-1                                                  |
| Corrosion Resistance      | > 144h                                                             |
| Shielding Effect          | > 80 dB at 1GHz, > 95 dB at 10MHz                                  |
| Solvent Corrosion Resis   | Average (PSU), Good (PPSU), Very Good (PEEK)                       |
| Temp Range                | - 20 °C\, + 100 °C(00 to 1b), - 20 °C\, + 80 °C(2b to 5b)          |
| Temperature Range Meta    | -55°C ~ +250°C                                                     |
| Temperature Range Plastic | -55°C ~ +150°C (PSU), -55°C ~ +180°C (PPSU), -55°C ~ +250°C (PEEK) |

### Material Specification

|                     |              |
|---------------------|--------------|
| Insulation Material | PPS          |
| Shell Material      | Copper Alloy |

### Mechanical Specification

|            |              |
|------------|--------------|
| Durability | > 5000 times |
|------------|--------------|

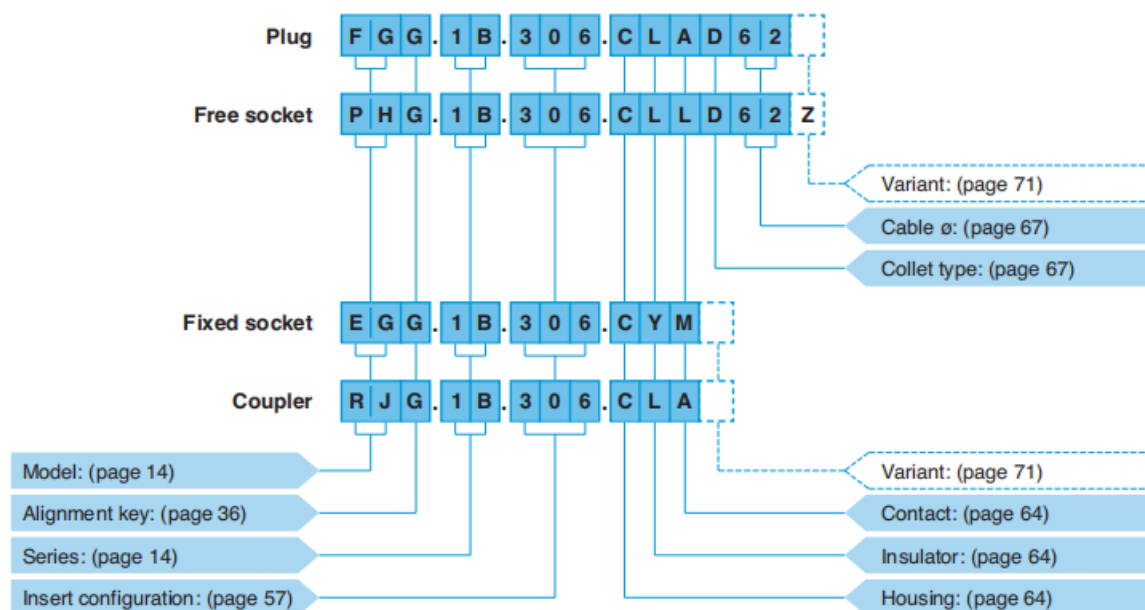
## Contact Layout

|    |                                                                                     | Solder contacts                                                                     |                                                                                   | Crimp contacts                                                                    |                                                                                   | Reference | Series |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|--------|
|    |                                                                                     |    |  |  |  |           |        |
| 2  |    |    | 302                                                                               | 00-TT<br>0B-0K-0T<br>1B-1K-1T<br>2B-2K-2T<br>3B-3K-3T<br>5B-5K                    |                                                                                   |           |        |
| 3  |    |    | 303                                                                               | 00-TT<br>0B-0K-0T<br>1B-1K-1T<br>2B-2K-2T<br>3B-3K-3T                             |                                                                                   |           |        |
| 4  |    |    | 304                                                                               | 00-TT<br>0B-0K-0T<br>1B-1K-1T<br>2B-2K-2T<br>3B-3K-3T<br>4B-4K<br>5B-5K           |                                                                                   |           |        |
| 5  |    |    | 305                                                                               | 00-TT                                                                             |                                                                                   |           |        |
| 5  |    |    | 305                                                                               | 0B-0K-0T<br>1B-1K-1T<br>2B-2K-2T<br>3B-3K-3T                                      |                                                                                   |           |        |
| 6  |    |    | 306                                                                               | 0B-0K-0T<br>1B-1K-1T                                                              |                                                                                   |           |        |
| 6  |    |    | 306                                                                               | 00-TT<br>2B-2K-2T<br>3B-3K-3T<br>4B-4K                                            |                                                                                   |           |        |
| 7  |    |    | 307                                                                               | 2B-2K-2T<br>3B-3K-3T<br>4B-4K                                                     |                                                                                   |           |        |
| 8  |    |    | 308                                                                               | 1B-1K-1T                                                                          |                                                                                   |           |        |
| 8  |    |    | 308                                                                               | 2B-2K-2T<br>3B-3K-3T                                                              |                                                                                   |           |        |
| 9  |    |    | 309                                                                               | 0B-0K-0T                                                                          |                                                                                   |           |        |
| 9  |    |    | 309                                                                               | 0B-0K-0T<br>3B-3K-3T                                                              |                                                                                   |           |        |
| 10 |    |    | 310                                                                               | 1B-1K-1T<br>2B-2K-2T<br>3B-3K-3T<br>4B-4K<br>5B-5K                                |                                                                                   |           |        |
| 12 |    |    | 312                                                                               | 0B-0K-0T                                                                          |                                                                                   |           |        |
| 12 |    |    | 312                                                                               | XB                                                                                |                                                                                   |           |        |
| 12 |    |    | 312                                                                               | 2B-2K-2T<br>3B-3K-3T<br>4B-4K                                                     |                                                                                   |           |        |
| 14 |   |  | 314                                                                               | 1B-1K-1T<br>2B-2K-2T<br>3B-3K-3T<br>5B-5K                                         |                                                                                   |           |        |
| 16 |   |  | 316                                                                               | 1B-1K-1T                                                                          |                                                                                   |           |        |
| 16 |   |  | 316                                                                               | 2B-2K-2T<br>3B-3K-3T<br>4B-4K<br>5B-5K                                            |                                                                                   |           |        |
| 18 |   |  | 318                                                                               | 2B-2K-2T<br>3B-3K-3T                                                              |                                                                                   |           |        |
| 19 |   |  | 319                                                                               | 2B-2K-2T                                                                          |                                                                                   |           |        |
| 20 |   |  | 320                                                                               | 3B-3K-3T                                                                          |                                                                                   |           |        |
| 20 |   |  | 320                                                                               | 4B-4K<br>5B-5K                                                                    |                                                                                   |           |        |
| 22 |  |  | 322                                                                               | XB                                                                                |                                                                                   |           |        |
| 22 |  |  | 322                                                                               | 3B-3K-3T                                                                          |                                                                                   |           |        |
| 24 |  |  | 324                                                                               | 3B-3K-3T<br>4B-4K                                                                 |                                                                                   |           |        |
| 26 |  |  | 326                                                                               | 2B-2K-2T<br>3B-3K-3T                                                              |                                                                                   |           |        |
| 30 |  |  | 330                                                                               | 3B-3K-3T<br>4B-4K<br>5B-5K                                                        |                                                                                   |           |        |
| 32 |  |  | 332                                                                               | 2B-2K-2T                                                                          |                                                                                   |           |        |
| 32 |  |  | 332                                                                               | 3B-3K                                                                             |                                                                                   |           |        |

## Size

| Reference |                  | Dimensions (mm) |      |      |    |
|-----------|------------------|-----------------|------|------|----|
| Model     | Series           | A               | L    | S1   | S2 |
| PHG       | 00 <sup>1)</sup> | 6.8             | 34.0 | 5.5  | 6  |
| PHG       | 0B               | 9.5             | 34.5 | 8.0  | 7  |
| PHG       | 1B               | 12.5            | 39.5 | 10.0 | 9  |
| PHG       | XB               | 13.0            | 49.5 | 11.0 | 10 |
| PHG       | 2B               | 16.5            | 46.0 | 13.0 | 12 |
| PHG       | 3B               | 19.0            | 54.5 | 15.0 | 15 |
| PHG       | 4B               | 26.0            | 69.0 | 21.0 | 20 |

## How to Order



## Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.