

BCL series

Connectors for Mobile Equipment

Outline

The BCL series are connectors for cradles, which have been designed for small sized mobile peripherals (PDAs). They are 1 mm pitch connectors, which save on board space and are low in cost.

Features

- These male connectors are one-piece molded units with gasket, making these connectors waterproof.
- Since the contacts of these female connectors are cleaned by a wiping effect, these contact surfaces become stable, and 10,000 insertion and extraction cycles are ensured.
- Polarity key location can be changed.
- These cable mount connectors are solder type, which can be attached to cables such as USB serial bus cables.

Principal Applications

PDA. etc.

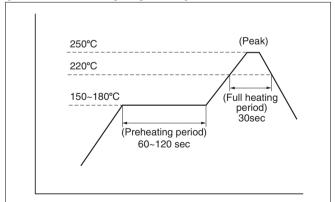
Electrical Characteristics

	BCL-C Series
Rated voltage	21V
Rated current	Signal contacts : 0.7A Power-supply contacts : 2.8A
Insulation resistance	500 megohms MIN. at 500V DC
Dielectric withstanding voltage	300V AC (r.m.s.) for one minute

Document Disclaimer

- When placing orders with us, minimum order quantities are set for every product.
- Be sure to contact us before starting preliminary design of PCBs using our connectors.
- The specifications and information shown in the catalog are subject to change without notice.

Reflow temperature profile (for reference purposes)

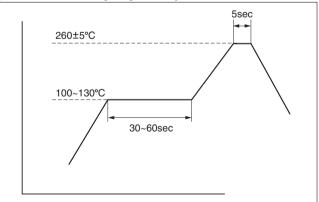


The reflow temperature profile shown in this drawing is for reference purposes. This profile depends on requirements such as reflow equipment, soldering paste, and PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own reflow temperature profile.

Applicable products

BCL-C18LMYG

Flow temperature profile (for reference purposes)



The flow temperature profile as shown above is for reference purposes. This profile depends on requirements such as the PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own flow temperature profile.

Applicable products

BCL-C18LFDG1

The profile shown in this drawing is applicable only for those products shown above.

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Product List



Right-angle SMT type male connector for mobile equipment BCL-C18LMYG **G-18** BCL series...4



Cradle-side right-angle through hole type female connector for mobile equipment BCL-C18LFDG1 **G-19** BCL series...5







Cable mount female connector with plastic hood for mobile equipment BCL-C18SP G-21 BCL series...7

Right-angle SMT type male connector for mobile equipment BCL-C18LMYG

For PCB

Right-angle SMT

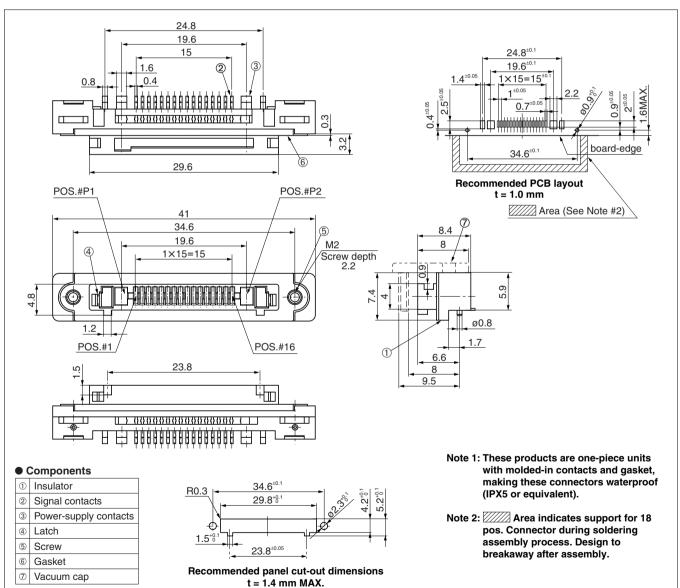




Configuration of product Part No.

$\underline{BCL-C} \ \underline{18} \ \underline{LMY} \ \underline{G}$

- ① Series name
- ② No. of contacts: 18
- 3 Type of contact
 - LMY: Right-angle SMT type, male
- 4 Contact platingG: Gold plate



Mating connectors: BCL-C18LFDG1, BCL-C18SP (BCL-C18SPFSG1)

For mobile equipment

Cradle side

For PCB

Right-angle Through hole

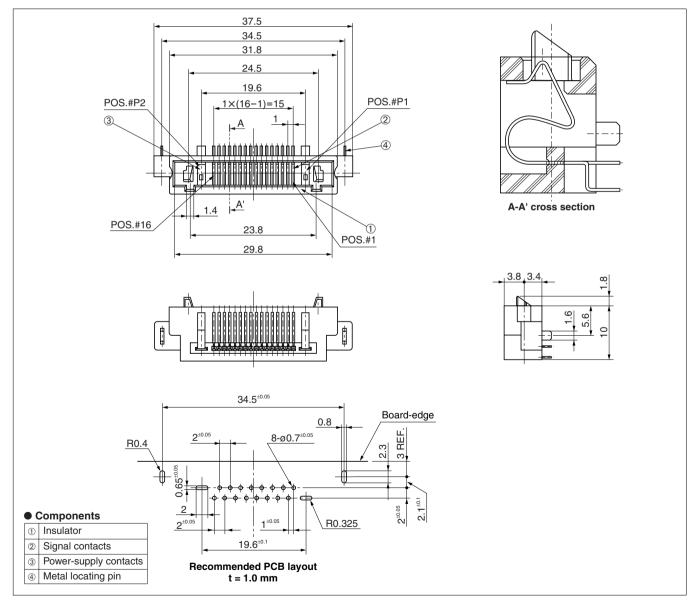
Cradle-side right-angle through hole type female connector for mobile equipment BCL-C18LFDG1



Configuration of product Part No.

$\underline{BCL\text{-}C}\ \underline{18}\ \underline{LFD}\ \underline{G1}$

- 1 Series name
- 2 No. of contacts: 18
- 3 Type of contact
 - LFD: Right-angle through hole type, female
- Gontact plating
 G1: Gold plate



Mating connectors: BCL-C18LMYG

Cable-side straight soldering type female connector for mobile equipment

BCL-C18SPFSG1

Soldering

RoHS



• Configuration of product Part No.

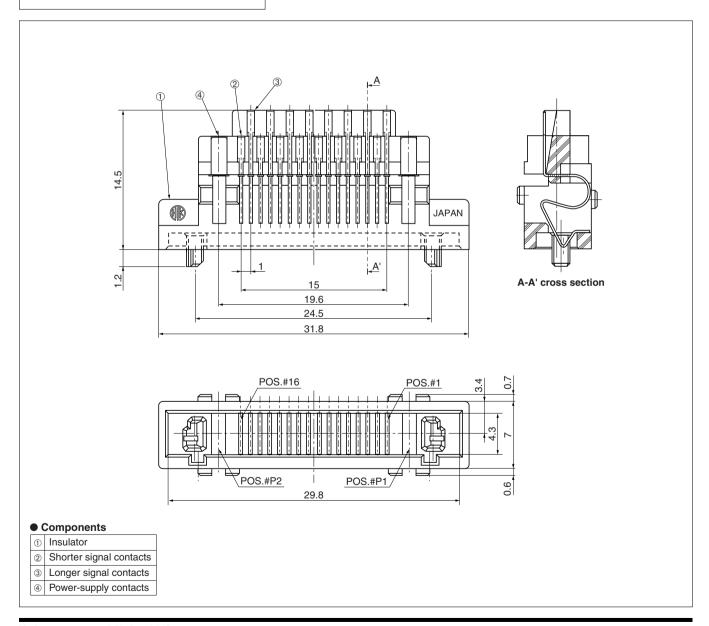
BCL-C 18 SPFS G1

① ② ③ ④

- ① Series name
- ② No. of contacts: 18
- ③ Type of contact

SPFS: Straight soldering type, female

4 Contact plating G1: Gold plate



Mating connectors: BCL-C18LMYG

Cable mount female connector with plastic hood for mobile equipment **BCL-C18SP**

Cable side

Female connector with plastic hood

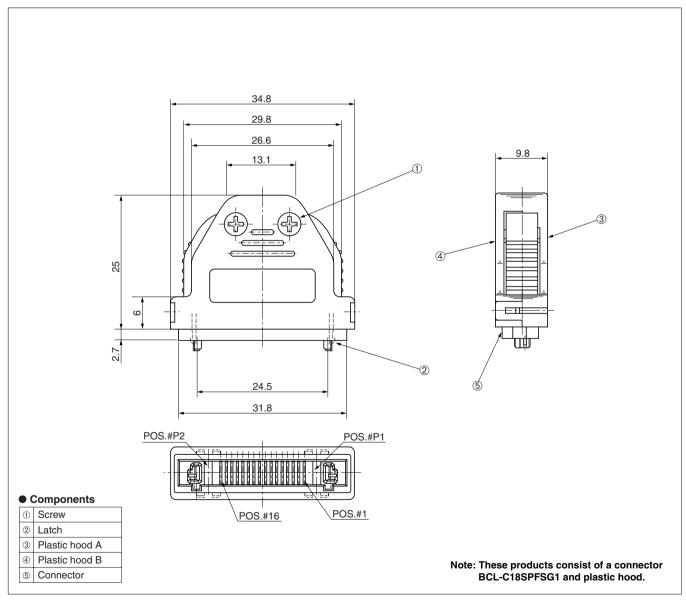
RoHS



Configuration of product Part No.

BCL-C 18 SP

- 1 Series name
- 2 No. of contacts: 18
- 3 BCL-C18SPFSG1 with plastic hood



Mating Connector: BCL-C18LMYG