



ITT Cannon Push Pull PL Series

A high quality, versatile and cost effective solution for challenging medical and industrial applications where miniaturized, lightweight and durable connectors are critical to operating performance.

ITT Cannon's PL Series is a 'Plastic Latching' push pull connector that delivers the ultimate in performance when it matters most. Available in 2 to 14 way variants, with durability in excess of 2,000 mating cycles and with six keying options and seven color codings the PL Series is an extremely versatile solution for a wide variety of both disposable and reusable applications.

Cannon's integrated cable assembly solutions combined with intermateability with existing push pull industry solutions ensures the PL Series is the ultimate choice for today's critical applications.



The ITT Cannon Difference

- Global capabilities & local support
- Proven application expertise
- A century of interconnect leadership
- A committed innovator & business partner

Key Features

- Innovative self-latching mechanism enables quick and simple mating & un-mating
- Medical grade quality – lightweight and ruggedized
- Six keying and seven color coding options enables wide customization
- Available in 2 to 14 way variants
- Accommodates cable sizes \varnothing 2.7 to 6.5mm
- Fully sterilizable – by gas or steam
- Value added cable assembly solutions available
- Intermateable with existing industry solutions

APPLICATION AREAS



MEDICAL



INDUSTRIAL

PL Series - How to order

Straight plug and inline receptacle

| PL | XX | X | X | X | X | X | XX |
|--|----|---|---|---|---|---|---|
| Push pull plastic | | | | | | | |
| Straight plug | | | | | | | |
| In-line receptacle | | | | | | | |
| A1= straight plug with cable collet ---- solder contact | | | | | | | |
| A3= straight plug with cable collet and nut for fitting a bend relief ---- solder contact | | | | | | | |
| C1= In-line receptacle with cable collet ---- solder contact | | | | | | | |
| C3= In-line receptacle with cable collet and nut for fitting a bend relief ---- solder contact | | | | | | | |
| Outer shell material: G= Grey PSU(standard) F= Black PEI B= Black PSU P=Grey PEI | | | | | | | |
| Back nut color: 0= Black 1= White 2= Red 4= Yellow 5= Green 6= Blue 8= Grey | | | | | | | |
| For A3 and C3 the Back nut is only available in Grey (8) | | | | | | | |
| | | | | | | | Number of contacts: 02= 2Pin 03= 3Pin 04= 4Pin 05= 5Pin 06= 6Pin 07= 7Pin 08= 8Pin 09= 9Pin 10= 10Pin 14= 14Pin |
| | | | | | | | Coding: 0= 0° (standard) A= 40° C=60° E= 80° H= 170° J=205° |
| | | | | | | | Cable collet: 1=ø3.9mm (cable ø=2.7~3.9mm) 2=ø5.2mm (cable ø=4.0~5.2mm) 3=ø6.5mm (cable ø=5.3~6.5mm) |
| | | | | | | | Contact plating: 2= Gold plating 20u" |

For A3 and C3 type, please order bend relief separately.

| Receptacle | PL | XX | X | X | X | X | X | XX |
|--|----|----|---|---|---|---|---|---|
| Push pull plastic | | | | | | | | |
| Receptacle | | | | | | | | |
| B1= Receptacle with two nuts (back panel mounting) ----solder contact | | | | | | | | |
| B3= Receptacle with two nuts, (back panel mounting) ----with 90 degree PCB contact | | | | | | | | |
| B4= Receptacle, front nut fixing ----solder contact | | | | | | | | |
| Outer shell material: G= Grey PSU(standard) F= Black PEI B= Black PSU P=Grey PEI | | | | | | | | |
| Front nut color: 0= Black 1= White 2= Red 4= Yellow 5= Green 6= Blue 8= Grey | | | | | | | | |
| | | | | | | | | Number of contacts: 02= 2Pin 03= 3Pin 04= 4Pin 05= 5Pin 06= 6Pin 07= 7Pin 08= 8Pin 09= 9Pin 10= 10Pin 14= 14Pin |
| | | | | | | | | Coding: 0= 0° (standard) A= 40° C=60° E= 80° H= 170° J=205 |
| | | | | | | | | Cable collet: 0= no cable collet |
| | | | | | | | | Contact plating: 2= Gold plating 20u" |

Bend relief

| PL | BR | X | XXX0 |
|---|----|---|--------------|
| Push pull plastic | | | |
| Bend relief | | | |
| Color: 0= Black 2= Red 3= White 4= Yellow 5= Green 6= Blue 8= Grey | | | |
| | | | Cable n (mm) |
| | | | Min Max |
| | | | 025 >2.5 3 |
| | | | 030 >3.0 3.5 |
| | | | 035 >3.5 4 |
| | | | 040 >4.0 4.5 |
| | | | 045 >4.5 5 |
| | | | 050 >5.0 5.5 |
| | | | 055 >5.5 6 |
| | | | 060 >6.0 6.5 |

Why ITT

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data.

Connect with your ITT Cannon representative today or visit us at www.ittcannon.com

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