

#### PL-500SM-Z FEATURES



Compact and secure, the **Pulse-Lok®** 500SM-Z Series connectors are Amphenol Alden's ideal solution for hand-held equipment and harsh environmental situations. The **Pulse-Lok®** 500SM-Z durable metal shell will support your harshest of interconnector requirements.

#### Overview (intuitive, compact, configurable)

- **Pulse-Lok®** auto-latch / mating confirmation
- Miniature 0.520" diameter metal circular shell
- Up to 14 contact positions
- Multiple and proprietary keying options available
- 3 various pad print color options

#### Order as a full cable assembly (Consult Factory)

- Single or double ended
- Customize your cable bundle
- Overmolded strain relief
- Add components to fulfill design requirements

#### SPECIFICATIONS

##### Material

Connector Housing: Zinc Alloy, Nickel Plated  
Molded Core Insulator: LCP  
Contacts: Brass/Phosphor Bronze  
• 30µ" Gold over 50µ" Nickel  
Flammability Rating  
• Molded Contact Insulator (core): UL94 V-0

##### Mechanical

Mating Cycles: 5,000  
Mating Force:  
• Mate: 5 lbs. Max  
• Un-mate: 1.5 lbs. Max  
• Unintended Extraction: 35 lbs. Min.  
• Backshell withdrawal: 4 lbs. Min.\*\*\*

##### Environmental

- Operating Temp: -20C to +105C\*\*
- Moisture Resistance: to IP-67 (mated)
- Sterilizable: gamma & EtO\*\*
- Chem. Resistance: common OR cleaning solvents

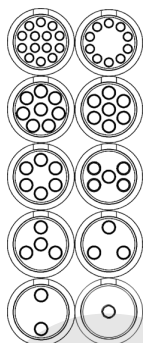
\*\*Dependent on overmold material

\*\*\*Backshell sold separately

TABLE A:

STANDARD CONTACT CONFIGURATIONS & SPECIFICATIONS

#### Up to 14 Contact Positions



| Number of Poles | Contact Size Pin<br>Ø (mm) | Max Wire Gauge | Operating<br>Voltage Max | Operating<br>Current Max (A)* | Mated Contact<br>Resistance<br>(mΩ) |
|-----------------|----------------------------|----------------|--------------------------|-------------------------------|-------------------------------------|
| 14              | 0.5                        | 26             | 300 V RMS                | 2.5                           | <50                                 |
| 10              | 0.5                        | 26             | 300 V RMS                | 2.5                           | <50                                 |
| 8               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 7               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 6               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 5               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 4               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 3               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 2               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 1               | 0.7                        | 22             | 300 V RMS                | 3.5                           | <50                                 |
| 1               | 1.5                        | 16             | 300 V RMS                | 5.0                           | <50                                 |

\*30C Heat Rise Limit

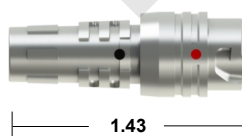
Custom contact inserts are available. Consult factory.

#### STANDARD HOUSING OPTIONS

##### Cable Mount Receptacle Assembly

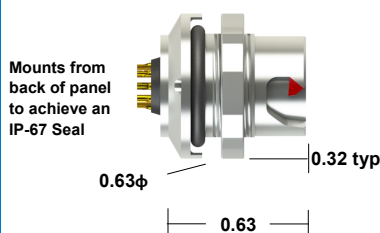


##### Cable Mount Receptacle Kit



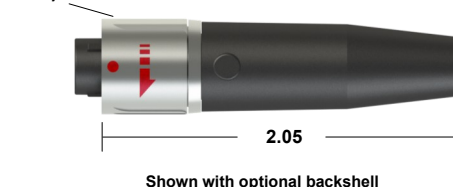
Select this component from Table B

##### Rear Panel-Mount Receptacle Assembly



Panel thickness range = 0.063 to 0.125  
Select this component from Table B

##### Cable Mount Plug Assembly



##### Cable Mount Plug Kit



Select this component from Table B

\*All dimensions shown in inches except where indicated

Standard color is a red pad print. See our online configurator for color options at : [www.amphenolalden.com/configurator](http://www.amphenolalden.com/configurator)

For additional information about this or any other Amphenol Alden product, please contact an Amphenol Alden specialist today, [www.AmphenolAlden.com](http://www.AmphenolAlden.com).

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# PL-500SM-Z SERIES

Metal Shell Auto-Coupling Connectors **14 pole capacity miniature circular connector**

TABLE B:

STANDARD PART NUMBERS

| Number of Poles | Cable Mount Receptacle | Rear Panel-Mount Receptacle |        | Cable Mount Plug |
|-----------------|------------------------|-----------------------------|--------|------------------|
|                 | Solder Cup             | Solder Cup                  | PCB    | Solder Cup       |
| 14              | 326087                 | 326027                      | 326147 | 325027           |
| 10              | 326084                 | 326024                      | 326144 | 325024           |
| 8               | 326081                 | 326021                      | 326141 | 325021           |
| 7               | 326078                 | 326018                      | 326138 | 325018           |
| 6               | 326075                 | 326015                      | 326135 | 325015           |
| 5               | 326072                 | 326012                      | 326132 | 325012           |
| 4               | 326069                 | 326009                      | 326129 | 325009           |
| 3               | 326066                 | 326006                      | 326126 | 325006           |
| 2               | 326063                 | 326003                      | 326123 | 325003           |
| 1 (22 AWG)      | 326060                 | 326000                      | 326120 | 325060           |
| 1 (16 AWG)      | 326187                 | 326181                      |        | 325000           |

Note: Part numbers cover black housings in Key 1 configuration. For other color and housing options utilize the Amphenol Alden connector configurator located at [www.amphenolalden.com/configurator](http://www.amphenolalden.com/configurator)

#### Options Include:

Indicator Color Options

Mating Key Options

Panel-Mount Thickness Options

Red (Std.), White, Black

2 Standard Keys, Proprietary Keys Available

Up to .125 Standard

## Receptacles & Cable Mount Plug

## CONTACT TERMINATION OPTIONS

### PCB (Panel-Mount Receptacles only)



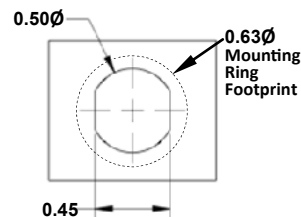
Request sales drawing for PCB Mounting Templates

### Solder Cup (Available for All)



Tiered solder cups provide easy access to center positions.  
Canted cups facilitate quick and easy wire positioning.  
Standard on 2-14 pole configurations

### Panel-Mount, Cut-Out Template



## ACCESSORIES

### Receptacle Dust Cover



P/N 107976

### Backshell



P/N 108194-02  
(For 0.20" Cable Diameter)

### Plug Soaking Cap



P/N 112058-01

Note: Black (std.) Gray (optional) & accessories sold separately

## ASSEMBLY INSTRUCTIONS

### Cable Mount Receptacle Instructions:

AI-PL500SMZ-IR01 (1Pole, 16AWG)

AI-PL500SMZ-IR02 (1-14 Pole, 22/26AWG)

### Panel-Mount Receptacle Instructions:

AI-PL500SMZ-PMR01 (1Pole, 16AWG)

AI-PL500SMZ-PMR02 (1-14 Pole, 22/26AWG)

### Cable Mount Plug Instructions:

AI-PL500SMZ-P01 (1Pole, 16AWG)

AI-PL500SMZ-P02 (1-14 Pole, 22/26AWG)

Note: recommended tooling included in assembly instructions

For additional information about this, or any other Amphenol Alden product, please contact an Amphenol Alden specialist today, [www.AmphenolAlden.com](http://www.AmphenolAlden.com).

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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