



# PEGASUS SERIES CATALOG

Pegasus Series circular connectors offer 1/4 turn bayonet-style connections with the added benefit of EMI shielding. Compliant with M81714 and FAR25 standards, Pegasus Series circular connectors are ideal for demanding military and aerospace environments.

# PEGASUS

## Overview

The Pegasus Series is Amphenol Pcd's latest innovation in small, lightweight, rugged connectors. Designed for use in harsh environments, Pegasus builds on the successful Luminus Aerospace connector with the addition of EMI shielding.

EMI shielding is provided by electroless copper and nickel plate, with a copper alloy spring finger gasket to ensure shell-to-shell conductivity. Tests show between 40db and 60db of attenuation, depending on frequency. This combination of light weight, small size, and EMI shielding makes Pegasus the ideal choice where protection against ambient noise transients, or suppression of emitted noise is required, and space and weight are at a premium.

## Features & Benefit

|                                     |                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electroless Copper & Nickel plating | Shielding from ambient noise transients, suppression of emitted noise (DO-160G Section 21 categories B, L and M and DO-160G Section 20 categories S & T) |
| 1/4 turn bayonet style connection   | Simple and easy mate & unmate; Blind mate keying                                                                                                         |
| Interfacial and Triple-Barrier Seal | Environmental sealing to IP67                                                                                                                            |
| Multiple Configuration              | Inline, Square Flange, Oval Flange, Jamnut PCB, Circular Snap-In                                                                                         |
| Scoop-Proof                         | Prevents contacts from being bent or electrically shorted during mating                                                                                  |
| Stainless Steel Contact Retainers   | High contact retention force over operating life cycle                                                                                                   |

## Materials & Specifications

|                                 |                                                                                                 |                                                      |                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|
| Materials                       | Insulator Body: Ultem / Polyetherimide                                                          | Fluid Immersion                                      | Lubricating Oil per Mil-Prf-7808                    |
|                                 | Grommet & Face Seal: Silicone Rubber                                                            |                                                      | Cleaning Compound per Mil-Prf-87937, Alkaline Base  |
|                                 | Contact Retainer: Stainless Steel                                                               |                                                      | Isopropyl Alcohol & Mineral Spirit Solution         |
|                                 | Plating: Nickel over Copper                                                                     |                                                      | Skydrol Hydraulic Fluid                             |
| Temperature Range               | -65°C to 125°C                                                                                  | Flammability                                         | Hydraulic Fluids per MIL-PRF-83282<br>MIL-PRF-87257 |
| Temperature Life                | 500 hours @ 85°C                                                                                |                                                      | Ethylene Glycol                                     |
| Insulation Resistance           | 5000 MΩ Min. @ 500 VDC                                                                          |                                                      | Propylene Glycol                                    |
| Dielectric Withstanding         | 1500 VAC, 60 Hz @ Sea Level, 1ma                                                                |                                                      | Aviation Jet A                                      |
|                                 | 300 VAC, 60 Hz @ 70,000 ft, 2ma                                                                 | RoHS & REACH Compliance                              | UL94, V0.                                           |
| Durability                      | Min 100 mating cycles; 250 typical                                                              |                                                      | DOTG section 26.6.2 & 26.6.3                        |
| Temperature Cycling             | 5(1) Hour Cycles: -65°C to 125°C                                                                |                                                      | FAR Part 25 App F Part I                            |
| Thermal Shock                   | -65°C to 200°C                                                                                  | Contact Insertion & Removal Force<br>(not to exceed) | Yes                                                 |
| Vibration                       | 30G Sinusoidal; 43.96G Random                                                                   |                                                      | less than 3 lbs                                     |
| Shock                           | 300G, 3msec, Half-Sine                                                                          |                                                      | less than 5 lbs insert (sz22)                       |
| Housing Electrical Conductivity | 6 milliohm                                                                                      |                                                      | less than 4lb remove (sz22)                         |
| EMI Shielding Effectiveness     | 65db @ 100Mhz<br>60db @ 200Mhz<br>55db @ 300Mhz<br>55db @ 400Mhz<br>45db @ 800Mhz<br>45db @1Ghz |                                                      | less than 12lbs insert (sz 16)                      |
|                                 |                                                                                                 |                                                      | less than 12lbs remove (sz 16)                      |
| Salt Spray                      | 5% Salt Spray @ 95°C for 48 Hours                                                               | Coupling Torque                                      | greater than 10lbs                                  |
| Humidity                        | 10 Days @ 25°C to 65°C,<br>90% - 95% RH                                                         |                                                      | less than 10lbs, sz 22                              |
| Seal Rating                     | IP67                                                                                            |                                                      | less than 25lbs, sz 16                              |
| Altitude Immersion              | Current Altitude Immersion Level Table Pgs. 2-3                                                 |                                                      | less than 5lbs                                      |

## Current Altitude Immersion Level by Part Number

| Part Number | Current Rating |
|-------------|----------------|
| SJS812730P  | 12,000 feet    |
| SJS812731P  | 12,000 feet    |
| SJS861400P  | 12,000 feet    |
| SJS861401P  | 12,000 feet    |
| SJS112120P  | 12,000 feet    |
| SJS112121P  | 12,000 feet    |
| SJS112160P  | 12,000 feet    |
| SJS112161P  | 12,000 feet    |
| SJS112162P  | 12,000 feet    |
| SJS112220P  | 12,000 feet    |
| SJS112221P  | 12,000 feet    |
| SJS112260P  | 12,000 feet    |
| SJS112261P  | 12,000 feet    |
| SJS112262P  | 12,000 feet    |
| SJS112320P  | 12,000 feet    |
| SJS112321P  | 12,000 feet    |
| SJS112360P  | 12,000 feet    |
| SJS112361P  | 12,000 feet    |
| SJS112362P  | 12,000 feet    |
| SJS112420P  | 12,000 feet    |
| SJS112421P  | 12,000 feet    |
| SJS112460P  | 12,000 feet    |
| SJS112461P  | 12,000 feet    |
| SJS112462P  | 12,000 feet    |
| SJS861300P  | 12,000 feet    |
| SJS861301P  | 12,000 feet    |
| SJS112110P  | 12,000 feet    |
| SJS112111P  | 12,000 feet    |
| SJS112210P  | 12,000 feet    |
| SJS112211P  | 12,000 feet    |
| SJS112310P  | 12,000 feet    |
| SJS112311P  | 12,000 feet    |
| SJS112410P  | 12,000 feet    |
| SJS112411P  | 12,000 feet    |
| SJS861400M  | 12,000 feet    |
| SJS861401M  | 12,000 feet    |
| SJS861460M  | 12,000 feet    |
| SJS861461M  | 12,000 feet    |
| SJS863200M  | 12,000 feet    |
| SJS863201M  | 12,000 feet    |
| SJS863260M  | 12,000 feet    |
| SJS863261M  | 12,000 feet    |
| SJS863400M  | 12,000 feet    |
| SJS863401M  | 12,000 feet    |
| SJS863460M  | 12,000 feet    |

| SJS863461M | 12,000 feet |
|------------|-------------|
| SJS863600M | 12,000 feet |
| SJS863601M | 12,000 feet |
| SJS863660M | 12,000 feet |
| SJS863661M | 12,000 feet |
| SJS861300M | 12,000 feet |
| SJS861301M | 12,000 feet |
| SJS863100M | 12,000 feet |
| SJS863101M | 12,000 feet |
| SJS863300M | 12,000 feet |
| SJS863301M | 12,000 feet |
| SJS863500M | 12,000 feet |
| SJS863501M | 12,000 feet |
| SJS840310P | 25,000 feet |
| SJS840311P | 25,000 feet |
| SJS840340P | 25,000 feet |
| SJS840341P | 25,000 feet |
| SJS840410P | 25,000 feet |
| SJS840411P | 25,000 feet |
| SJS840440P | 25,000 feet |
| SJS840441P | 25,000 feet |
| SJS803130P | 25,000 feet |
| SJS803131P | 25,000 feet |
| SJS803730P | 25,000 feet |
| SJS803731P | 25,000 feet |
| SJS840300P | 25,000 feet |
| SJS840301P | 25,000 feet |
| SJS840320P | 25,000 feet |
| SJS840321P | 25,000 feet |
| SJS840330P | 25,000 feet |
| SJS840331P | 25,000 feet |
| SJS840350P | 25,000 feet |
| SJS840351P | 25,000 feet |
| SJS804730P | 25,000 feet |
| SJS804731P | 25,000 feet |
| SJS804760P | 25,000 feet |
| SJS804761P | 25,000 feet |
| SJS804762P | 25,000 feet |
| SJS804790P | 25,000 feet |
| SJS804791P | 25,000 feet |
| SJS840400P | 25,000 feet |
| SJS840401P | 25,000 feet |
| SJS840450P | 25,000 feet |
| SJS840451P | 25,000 feet |
| SJS830250P | 50,000 feet |
| SJS830251P | 50,000 feet |

| SJS862400P   | 50,000 feet |
|--------------|-------------|
| SJS862401P   | 50,000 feet |
| SJS862450P   | 50,000 feet |
| SJS862451P   | 50,000 feet |
| SJS704120P   | 50,000 feet |
| SJS704121P   | 50,000 feet |
| SJS870510P   | 50,000 feet |
| SJS870511P   | 50,000 feet |
| SJS406120P   | 50,000 feet |
| SJS406121P   | 50,000 feet |
| SJS706160P   | 50,000 feet |
| SJS706161P   | 50,000 feet |
| SJS706162P   | 50,000 feet |
| SJS861800P   | 50,000 feet |
| SJS861801P   | 50,000 feet |
| SJS830101P   | 50,000 feet |
| SJS830100P   | 50,000 feet |
| SJS830102P   | 50,000 feet |
| SJS831100P   | 50,000 feet |
| SJS831101P   | 50,000 feet |
| SJS831102P   | 50,000 feet |
| SJS809130P   | 50,000 feet |
| SJS809131P   | 50,000 feet |
| SJS862200P   | 50,000 feet |
| SJS862201P   | 50,000 feet |
| SJS502160P   | 50,000 feet |
| SJS502161P   | 50,000 feet |
| SJS502162P   | 50,000 feet |
| SJS502170P   | 50,000 feet |
| SJS502171P   | 50,000 feet |
| SJS502190P   | 50,000 feet |
| SJS502191P   | 50,000 feet |
| SJS830270P   | 50,000 feet |
| SJS830271P   | 50,000 feet |
| SJS862300P   | 50,000 feet |
| SJS862301P   | 50,000 feet |
| SJS704110P   | 50,000 feet |
| SJS704111P   | 50,000 feet |
| SJS870520P   | 50,000 feet |
| SJS870521P   | 50,000 feet |
| SJS406110P   | 50,000 feet |
| SJS406111P   | 50,000 feet |
| SJS861700P   | 50,000 feet |
| SJS861700PAC | 50,000 feet |
| SJS861701P   | 50,000 feet |
| SJS830201P   | 50,000 feet |

## Current Altitude Immersion Level by Part Number

| SJS830221P | 50,000 feet      |
|------------|------------------|
| SJS708160P | 50,000 feet      |
| SJS708161P | 50,000 feet      |
| SJS708162P | 50,000 feet      |
| SJS708170P | 50,000 feet      |
| SJS708171P | 50,000 feet      |
| SJS708190P | 50,000 feet      |
| SJS708191P | 50,000 feet      |
| SJS830200P | 50,000 feet      |
| SJS830202P | 50,000 feet      |
| SJS830220P | 50,000 feet      |
| SJS830222P | 50,000 feet      |
| SJS831200P | 50,000 feet      |
| SJS831201P | 50,000 feet      |
| SJS831202P | 50,000 feet      |
| SJS831220P | 50,000 feet      |
| SJS831221P | 50,000 feet      |
| SJS831222P | 50,000 feet      |
| SJS862100P | 50,000 feet      |
| SJS862101P | 50,000 feet      |
| SJS830210P | IP67 (sea level) |
| SJS830211P | IP67 (sea level) |
| SJS805730P | IP67 (sea level) |
| SJS805731P | IP67 (sea level) |
| SJS860500P | IP67 (sea level) |
| SJS860501P | IP67 (sea level) |
| SJS860520P | IP67 (sea level) |
| SJS860521P | IP67 (sea level) |
| SJS412120P | IP67 (sea level) |
| SJS412121P | IP67 (sea level) |
| SJS425120P | IP67 (sea level) |
| SJS425121P | IP67 (sea level) |
| SJS425160P | IP67 (sea level) |
| SJS425161P | IP67 (sea level) |
| SJS425162P | IP67 (sea level) |
| SJS425220P | IP67 (sea level) |
| SJS425221P | IP67 (sea level) |
| SJS425260P | IP67 (sea level) |
| SJS425261P | IP67 (sea level) |
| SJS425262P | IP67 (sea level) |
| SJS425320P | IP67 (sea level) |

| SJS425321P | IP67 (sea level) |
|------------|------------------|
| SJS425360P | IP67 (sea level) |
| SJS425361P | IP67 (sea level) |
| SJS425362P | IP67 (sea level) |
| SJS425420P | IP67 (sea level) |
| SJS425421P | IP67 (sea level) |
| SJS425460P | IP67 (sea level) |
| SJS425461P | IP67 (sea level) |
| SJS425462P | IP67 (sea level) |
| SJS860200P | IP67 (sea level) |
| SJS860201P | IP67 (sea level) |
| SJS8AC730P | IP67 (sea level) |
| SJS8AC731P | IP67 (sea level) |
| SJS860900P | IP67 (sea level) |
| SJS860901P | IP67 (sea level) |
| SJS0AA730P | IP67 (sea level) |
| SJS0AA731P | IP67 (sea level) |
| SJS0AA737P | IP67 (sea level) |
| SJS0AB770P | IP67 (sea level) |
| SJS0AB771P | IP67 (sea level) |
| SJS861200P | IP67 (sea level) |
| SJS861201P | IP67 (sea level) |
| SJS503160P | IP67 (sea level) |
| SJS503161P | IP67 (sea level) |
| SJS503162P | IP67 (sea level) |
| SJS503170P | IP67 (sea level) |
| SJS503171P | IP67 (sea level) |
| SJS503190P | IP67 (sea level) |
| SJS503191P | IP67 (sea level) |
| SJS830230P | IP67 (sea level) |
| SJS830231P | IP67 (sea level) |
| SJS860510P | IP67 (sea level) |
| SJS860511P | IP67 (sea level) |
| SJS412110P | IP67 (sea level) |
| SJS412111P | IP67 (sea level) |
| SJS425110P | IP67 (sea level) |
| SJS425111P | IP67 (sea level) |
| SJS425210P | IP67 (sea level) |
| SJS425211P | IP67 (sea level) |
| SJS425310P | IP67 (sea level) |
| SJS425311P | IP67 (sea level) |

| SJS425410P | IP67 (sea level) |
|------------|------------------|
| SJS425411P | IP67 (sea level) |
| SJS860100P | IP67 (sea level) |
| SJS860101P | IP67 (sea level) |
| SJS860910P | IP67 (sea level) |
| SJS860911P | IP67 (sea level) |
| SJS861100P | IP67 (sea level) |
| SJS861101P | IP67 (sea level) |
| SJS225120M | IP67 (sea level) |
| SJS225121M | IP67 (sea level) |
| SJS225160M | IP67 (sea level) |
| SJS225161M | IP67 (sea level) |
| SJS225162M | IP67 (sea level) |
| SJS225220M | IP67 (sea level) |
| SJS225221M | IP67 (sea level) |
| SJS225260M | IP67 (sea level) |
| SJS225261M | IP67 (sea level) |
| SJS225262M | IP67 (sea level) |
| SJS225320M | IP67 (sea level) |
| SJS225321M | IP67 (sea level) |
| SJS225360M | IP67 (sea level) |
| SJS225361M | IP67 (sea level) |
| SJS225362M | IP67 (sea level) |
| SJS225420M | IP67 (sea level) |
| SJS225421M | IP67 (sea level) |
| SJS225460M | IP67 (sea level) |
| SJS225461M | IP67 (sea level) |
| SJS225462M | IP67 (sea level) |
| SJS225110M | IP67 (sea level) |
| SJS225111M | IP67 (sea level) |
| SJS225210M | IP67 (sea level) |
| SJS225211M | IP67 (sea level) |
| SJS225310M | IP67 (sea level) |
| SJS225311M | IP67 (sea level) |
| SJS225410M | IP67 (sea level) |
| SJS225411M | IP67 (sea level) |

## Part Numbering: Twist & Lock

|                |              |            |     |        |  |  |  |  |  |  |  |
|----------------|--------------|------------|-----|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| # of Positions | Contact Size | Shell Size | Key | Color  | Plug                                                                              | Inline                                                                            | Circular                                                                           | Square                                                                              | Jamnut                                                                              | Oval                                                                                | Jamnut Rear Mount                                                                   |
| 1              | Quadrax      | 8          | -   | -      | SJS801110P                                                                        | SJS801120P                                                                        | -                                                                                  | SJS801130P*                                                                         | SJS801160P*                                                                         | SJS801170P*                                                                         | SJS801190P*                                                                         |
| 2              | 22D          | 5          | -   | Black  | SJS830250P                                                                        | SJS830270P                                                                        | -                                                                                  | -                                                                                   | SJS502160P                                                                          | SJS502170P                                                                          | SJS502190P                                                                          |
| 3              | 12           | 10         | -   | -      | SJS003110P*                                                                       | SJS003120P*                                                                       | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| 3              | 16           | 8          | A   | White  | SJS840310P                                                                        | SJS840300P                                                                        | SJS840320P                                                                         | SJS803730P*                                                                         | -                                                                                   | -                                                                                   | -                                                                                   |
| 3              | 16           | 8          | B   | Black  | SJS840340P                                                                        | SJS840350P                                                                        | SJS840330P                                                                         | SJS803130P*                                                                         | -                                                                                   | -                                                                                   | -                                                                                   |
| 3              | 20           | 7          | -   | White  | SJS862300P                                                                        | SJS862400P                                                                        | -                                                                                  | SJS862450P                                                                          | -                                                                                   | -                                                                                   | -                                                                                   |
| 3              | 22D          | 5          | -   | Black  | SJS830210P                                                                        | SJS830230P                                                                        | -                                                                                  | -                                                                                   | SJS503160P                                                                          | SJS503170P                                                                          | SJS503190P                                                                          |
| 4              | 16           | 8          | A   | White  | SJS840410P                                                                        | SJS840400P                                                                        | SJS840420P                                                                         | SJS840740P                                                                          | SJS840760P*                                                                         | -                                                                                   | SJS840790P*                                                                         |
| 4              | 16           | 8          | B   | Green  | SJS840440P                                                                        | SJS840450P                                                                        | SJS840430P*                                                                        | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| 4              | 20           | 7          | -   | Black  | SJS704110P                                                                        | SJS704120P                                                                        | SJS704130P*                                                                        | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| 5              | 22D          | 8          | -   | White  | SJS860510P                                                                        | SJS860500P                                                                        | SJS860520P                                                                         | SJS805730P                                                                          | -                                                                                   | -                                                                                   | -                                                                                   |
| 5              | 22D          | 8          | -   | White  | SJS870510P                                                                        | SJS860510P                                                                        | SJS870520P                                                                         | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| 6              | 22D          | 7          | -   | Black  | SJS861700P                                                                        | SJS861800P                                                                        | -                                                                                  | -                                                                                   | SJS706160P                                                                          | -                                                                                   | -                                                                                   |
| 8              | 22D          | 7          | A   | Black  | SJS830100P                                                                        | SJS830200P                                                                        | -                                                                                  | SJS830220P                                                                          | SJS708160P                                                                          | SJS708170P                                                                          | SJS708190P                                                                          |
| 8              | 22D          | 7          | B   | Green  | SJS830101P                                                                        | SJS830201P                                                                        | -                                                                                  | SJS830221P                                                                          | -                                                                                   | -                                                                                   | -                                                                                   |
| 8              | 22D          | 7          | C   | Yellow | SJS830102P                                                                        | SJS830202P                                                                        | -                                                                                  | SJS830222P                                                                          | -                                                                                   | -                                                                                   | -                                                                                   |
| 9              | 22D          | 8          | -   | Black  | SJS862100P                                                                        | SJS862200P                                                                        | -                                                                                  | SJS809130P*                                                                         | -                                                                                   | -                                                                                   | -                                                                                   |
| 12             | 16           | 14         | -   | Black  | SJS412110P*                                                                       | SJS412120P*                                                                       | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| 12             | 22D          | 8          | -   | White  | SJS861300P                                                                        | SJS861400P                                                                        | -                                                                                  | SJS812730P                                                                          | SJS812760P*                                                                         | -                                                                                   | -                                                                                   |
| 12             | 22D          | 11         | A   | Black  | SJS112110P                                                                        | SJS112120P                                                                        | -                                                                                  | -                                                                                   | SJS112160P                                                                          | -                                                                                   | -                                                                                   |
| 12             | 22D          | 11         | B   | Green  | SJS112210P                                                                        | SJS112220P                                                                        | -                                                                                  | -                                                                                   | SJS112260P                                                                          | -                                                                                   | -                                                                                   |
| 12             | 22D          | 11         | C   | White  | SJS112310P                                                                        | SJS112320P                                                                        | -                                                                                  | -                                                                                   | SJS112360P                                                                          | -                                                                                   | -                                                                                   |
| 12             | 22D          | 11         | D   | Yellow | SJS112410P                                                                        | SJS112420P                                                                        | -                                                                                  | -                                                                                   | SJS112460P                                                                          | -                                                                                   | -                                                                                   |
| 25             | 22D          | 14         | A   | Black  | SJS425110P                                                                        | SJS425120P                                                                        | -                                                                                  | -                                                                                   | SJS425160P                                                                          | -                                                                                   | -                                                                                   |
| 25             | 22D          | 14         | B   | Green  | SJS425210P                                                                        | SJS425220P                                                                        | -                                                                                  | -                                                                                   | SJS425260P                                                                          | -                                                                                   | -                                                                                   |
| 25             | 22D          | 14         | C   | White  | SJS425310P                                                                        | SJS425320P                                                                        | -                                                                                  | -                                                                                   | SJS425360P                                                                          | -                                                                                   | -                                                                                   |
| 25             | 22D          | 14         | D   | Yellow | SJS425410P                                                                        | SJS425420P                                                                        | -                                                                                  | -                                                                                   | SJS425460P                                                                          | -                                                                                   | -                                                                                   |
| 5              | 12 (3)       | 11         | -   | Black  | SJS1AE110P*                                                                       | SJS1AE120P*                                                                       | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
|                | 22 (2)       |            |     |        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 9              | 16 (1)       | 8          | -   | White  | SJS860100P                                                                        | SJS860200P                                                                        | -                                                                                  | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
|                | 22D (8)      |            |     |        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 9              | 16 (4)       | 10         | -   | White  | SJS860910P                                                                        | SJS860900P                                                                        | -                                                                                  | SJS0AA730P                                                                          | -                                                                                   | -                                                                                   | -                                                                                   |
|                | 22D (5)      |            |     |        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 10             | 16 (4)       | 10         | -   | White  | SJS861100P                                                                        | SJS861200P                                                                        | SJS0AB730P*                                                                        | -                                                                                   | -                                                                                   | SJS0AB770P                                                                          | -                                                                                   |
|                | 22D (6)      |            |     |        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

\* Available at extended lead times

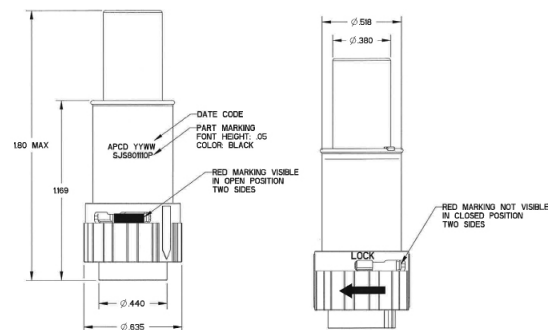
## Inline Plug

| Type        | Part Number | Position | Size    | Page |
|-------------|-------------|----------|---------|------|
| Inline Plug | SJS830250P  | 2        | 8       | 7    |
|             | SJS840310P  | 3        | 16      | 7    |
|             | SJS862300P  | 3        | 20      | 8    |
|             | SJS830210P  | 3        | 22      | 8    |
|             | SJS840410P  | 4        | 16      | 9    |
|             | SJSB104110P | 4        | 16      | 9    |
|             | SJS704110P  | 4        | 20      | 10   |
|             | SJS860510P  | 5        | 22      | 10   |
|             | SJS861700P  | 6        | 22      | 11   |
|             | SJS830100P  | 8        | 22      | 11   |
|             | SJS860100P  | 9        | 16 & 22 | 12   |
|             | SJS860910P  | 9        | 16 & 22 | 12   |
|             | SJS862100P  | 9        | 22      | 13   |
|             | SJS861300P  | 12       | 22      | 13   |
|             | SJS112110P  | 12       | 22      | 14   |
|             | SJS425110P  | 25       | 22      | 14   |

## 1 Position, Size 8 Inline Plug High Speed

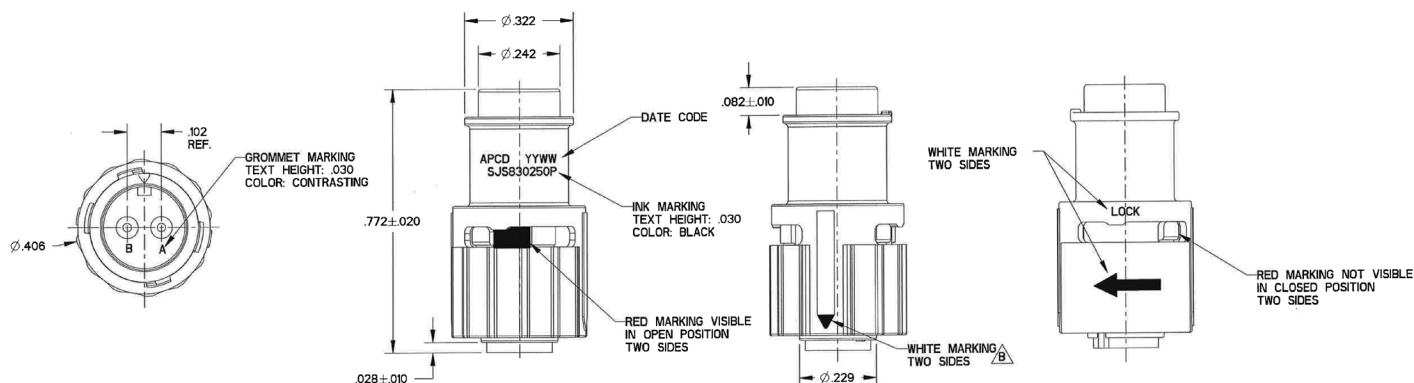
Contact P/N Dependent on Cable Type

| APCD P/N      | Contact Type        | Contact P/N | Shell Size | Key | Color | P/N Marking | Mating        |
|---------------|---------------------|-------------|------------|-----|-------|-------------|---------------|
| SJS801110P    | None                |             | 8          | -   | Black | SJS801110P  | SJS801120P    |
| SJS801110P-1  | Power               | CNS808100   |            |     |       |             | SJS801120P-1  |
| SJS801110P-2  | Differential Twinax | CNS882100   |            |     |       |             | SJS801120P-2  |
| SJS801110P-3  |                     | CNS882110   |            |     |       |             | SJS801120P-3  |
| SJS801110P-4  |                     | CNS882120   |            |     |       |             | SJS801120P-4  |
| SJS801110P-5  |                     | CNS882130   |            |     |       |             | SJS801120P-5  |
| SJS801110P-6  |                     | CNS882140   |            |     |       |             | SJS801120P-6  |
| SJS801110P-7  |                     | CNS882150   |            |     |       |             | SJS801120P-7  |
| SJS801110P-8  | Quadrax             | CNS882200   |            |     |       |             | SJS801120P-8  |
| SJS801110P-9  |                     | CNS882210   |            |     |       |             | SJS801120P-9  |
| SJS801110P-10 |                     | CNS882220   |            |     |       |             | SJS801120P-10 |
| SJS801110P-11 |                     | CNS882230   |            |     |       |             | SJS801120P-11 |
| SJS801110P-12 |                     | CNS882240   |            |     |       |             | SJS801120P-12 |
| SJS801110P-13 |                     | CNS882250   |            |     |       |             | SJS801120P-13 |



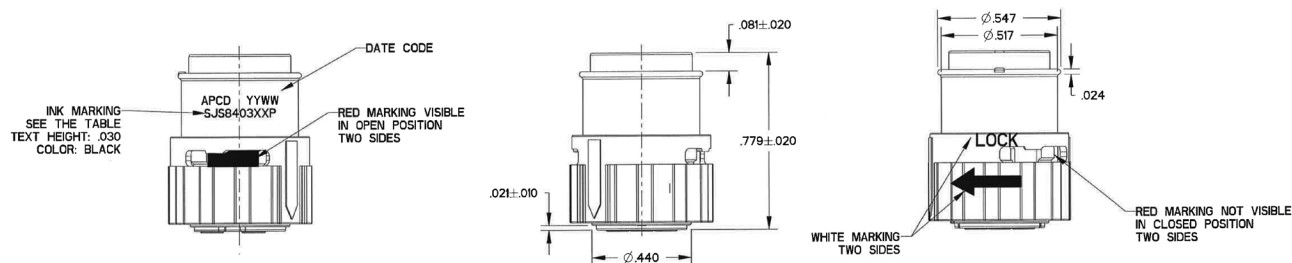
## 2 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                                 |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|----------------------------------------|
| SJS830250P | None          |              |               | 5          | -   | Black | SJS830250P  | SJS830270P<br>SJS502170P<br>SJS502190P |
| SJS830251P | 2             | 22           | M39029/57-354 |            |     |       |             |                                        |



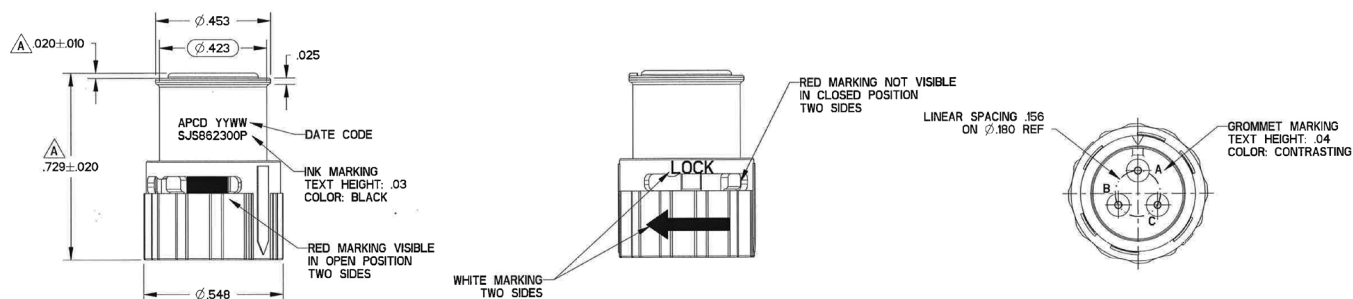
## 3 Position, Size 16 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                   |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|--------------------------|
| SJS840310P | None          |              |               | 8          | A   | White | SJS840310P  | SJS840300P<br>SJS840320P |
| SJS840311P | 3             | 16           | M39029/57-358 |            |     |       |             |                          |
| SJS840340P | None          |              |               |            | B   | Black | SJS840340P  | SJS840350P<br>SJS840330P |
| SJS840341P | 3             | 16           | M39029/57-358 |            |     |       |             |                          |



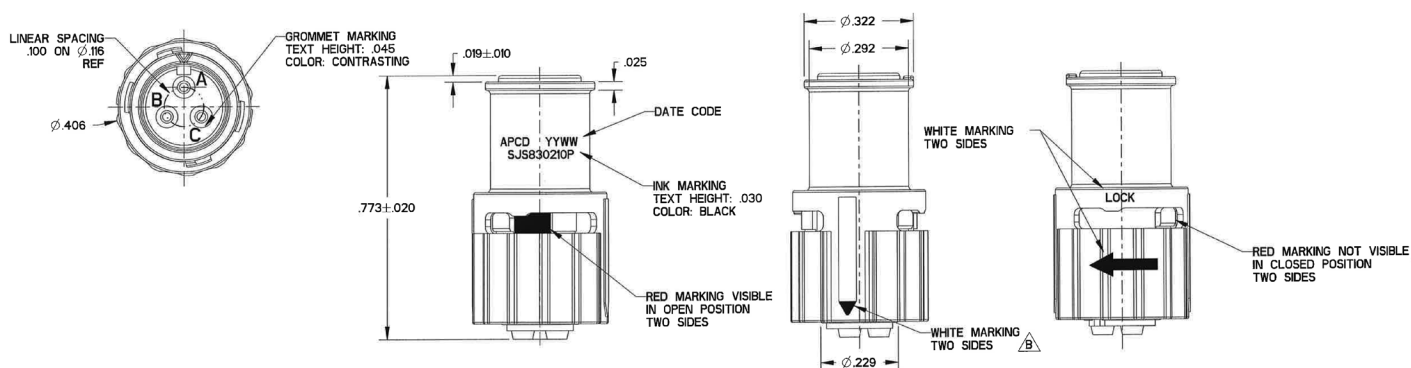
## 3 Position, Size 20 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                   |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|--------------------------|
| SJS862300P | None          |              |               | 7          | -   | White | SJS862300P  | SJS862400P<br>SJS862450P |
| SJS862301P | 3             | 20           | M39029/57-357 |            |     |       |             |                          |



## 3 Position, Size 22 Inline Plug

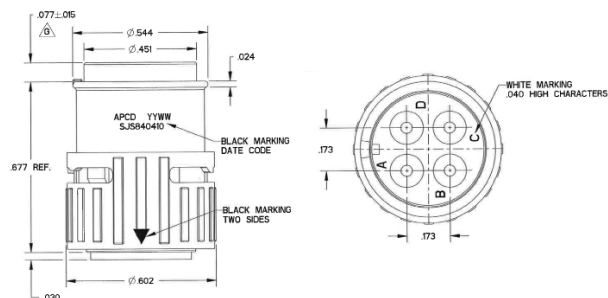
| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                                 |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|----------------------------------------|
| SJS830210P | None          |              |               | 5          | -   | Black | SJS830210P  | SJS830230P<br>SJS503170P<br>SJS503190P |
| SJS830211P | 3             | 22           | M39029/57-354 |            |     |       |             |                                        |





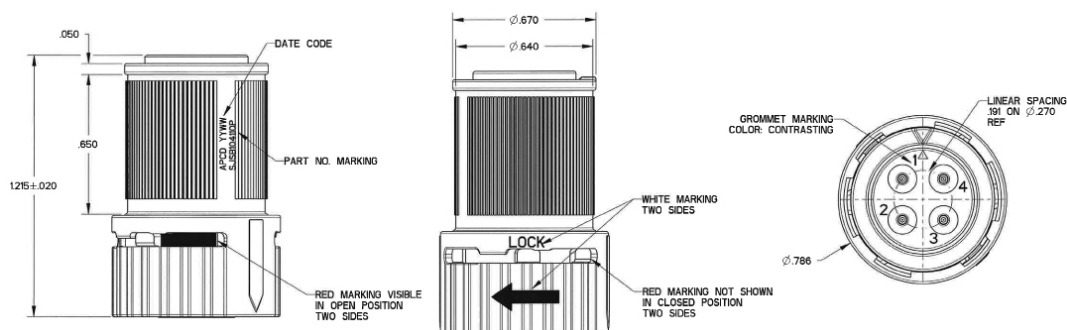
## 4 Position, Size 16 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                                 |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|----------------------------------------|
| SJS840410P | None          |              |               | 8          | A   | White | SJS840410P  | SJS840400P<br>SJS840420P<br>SJS840740P |
| SJS840411P | 4             | 16           | M39029/57-358 |            |     |       |             |                                        |
| SJS840440P | None          |              |               | 8          | B   | Green | SJS840440P  | SJS840450P                             |
| SJS840441P | 4             | 16           | M39029/57-358 |            |     |       |             |                                        |



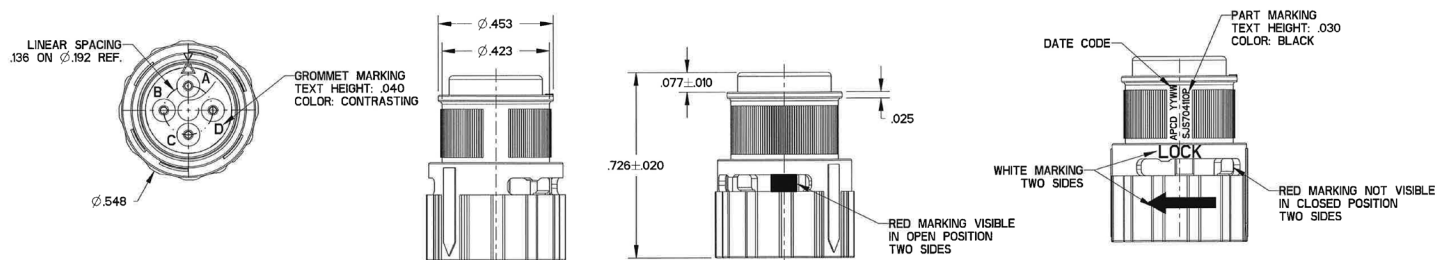
## 4 Position, Size 16 Inline Plug

| APCD P/N    | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|-------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJSB104110P | None          |              |               | 11         | -   | Black | SJSB104110P | SJS104120P |
| SJSB104111P | 4             | 16           | M39029/56-352 |            |     |       |             |            |



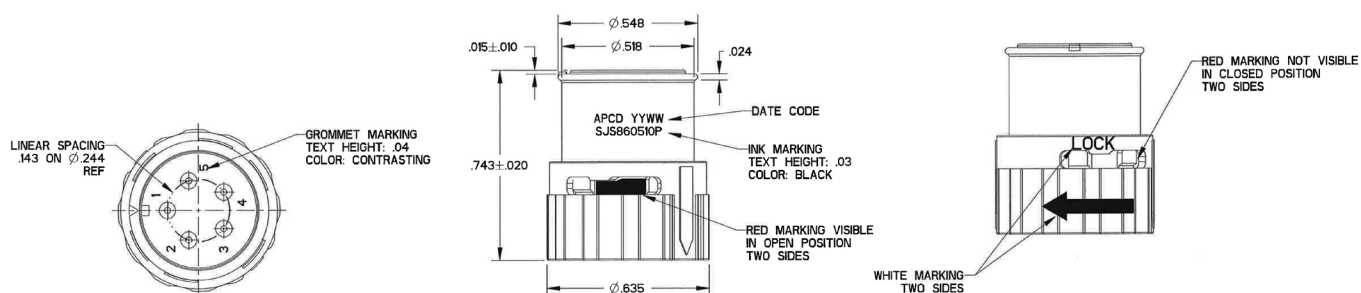
## 4 Position, Size 20 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS704110P | None          |              |               | 7          | -   | Black | SJS704110P  | SJS704120P |
| SJS704111P | 4             | 20           | M39029/57-357 |            |     |       |             |            |



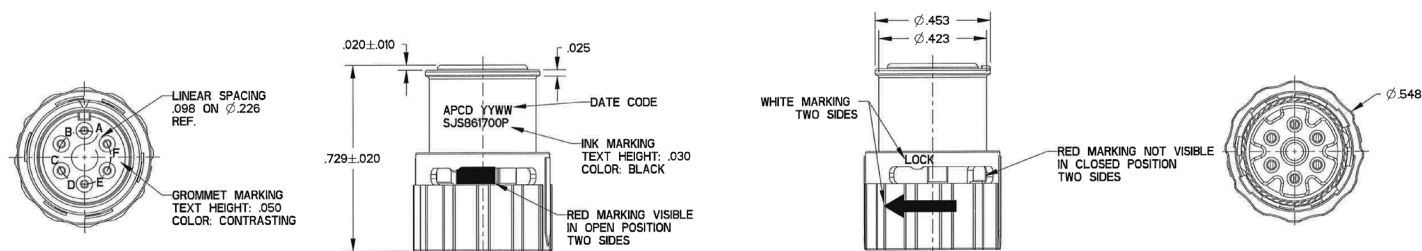
## 5 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Gender | Color | P/N Marking | Mating                                 |
|------------|---------------|--------------|---------------|------------|--------|-------|-------------|----------------------------------------|
| SJS860510P | None          |              |               | 8          | Female | White | SJS860510P  | SJS860500P<br>SJS860520P<br>SJS805730P |
| SJS860511P | 5             | 22           | M39029/57-354 |            |        |       |             |                                        |
| SJS870510P | None          |              |               |            | Male   |       | SJS870510P  | SJS870520P                             |
| SJS870511P | 5             | 22           | M39029/57-354 |            |        |       |             |                                        |



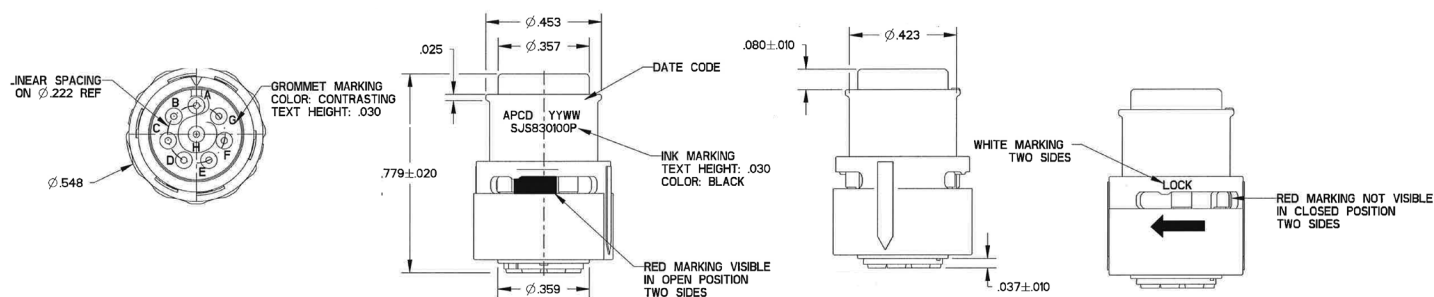
## 6 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                   |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|--------------------------|
| SJS861700P | None          |              |               | 7          | -   | Black | SJS861700P  | SJS861800P<br>SJS706160P |
| SJS861701P | 6             | 22           | M39029/57-354 |            |     |       |             |                          |



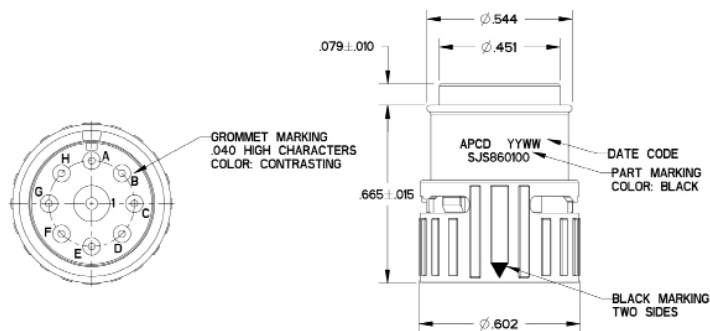
## 8 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating                                                              |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|---------------------------------------------------------------------|
| SJS830100P | None          |              |               | 7          | A   | Black  | SJS830100P  | SJS830200P<br>SJS830220P<br>SJS708160P<br>SJS708190P<br>SJS708180P* |
| SJS831100P | 8             | 22           | M39029/57-354 |            |     |        |             |                                                                     |
| SJS830101P | None          |              |               |            |     |        |             |                                                                     |
| SJS831101P | 8             | 22           | M39029/57-354 |            | B   | Green  | SJS830101P  | SJS830201P<br>SJS830221P                                            |
| SJS830102P | None          |              |               |            |     |        |             |                                                                     |
| SJS831102P | 8             | 22           | M39029/57-354 |            | C   | Yellow | SJS830102P  | SJS830202PS-<br>JS830222P                                           |



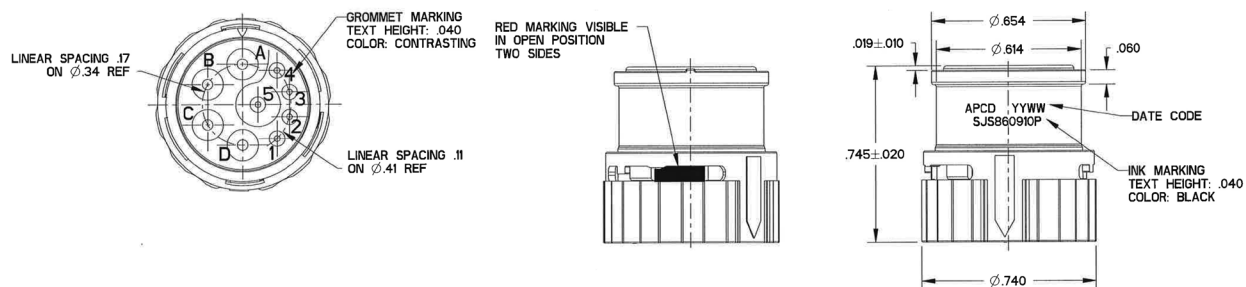
## 9 Position, Size 16 & 22 Inline plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS860100P | None          |              |               | 8          | -   | White | SJS860100P  | SJS860200P |
| SJS860101P | 1             | 16           | M39029/57-358 |            |     |       |             |            |
|            | 8             | 22D          | M39029/57-354 |            |     |       |             |            |



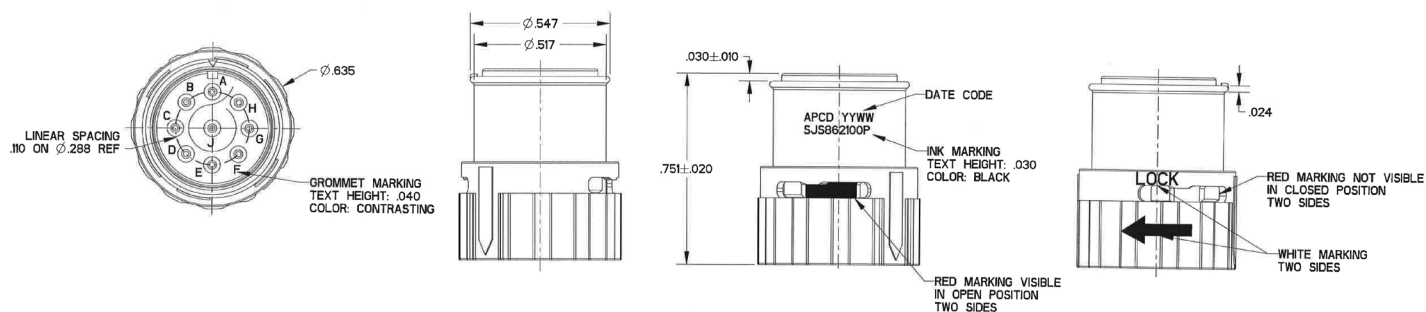
## 9 Position, Size 16 & 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                   |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|--------------------------|
| SJS860910P | None          |              |               | 10         | -   | White | SJS860910P  | SJS860900P<br>SJS0AA730P |
| SJS860911P | 5             | 22/22D       | M39029/57-354 |            |     |       |             |                          |
|            | 4             | 16           | M39029/57-358 |            |     |       |             |                          |
| SJS860917P | 5             | 22/22D       | M39029/57-354 |            |     |       |             |                          |
|            | 3             | 16           | M39029/57-358 |            |     |       |             |                          |
|            | 1             | 16 Coax      | M39029/78-432 |            |     |       |             |                          |



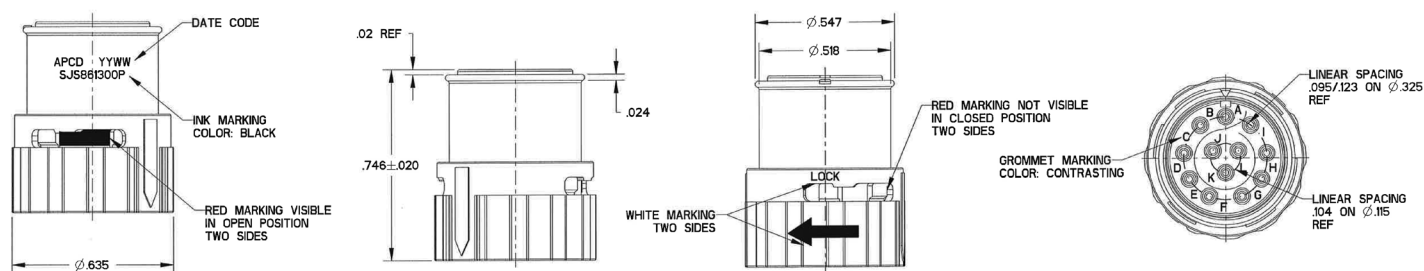
## 9 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                    |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|---------------------------|
| SJS862100P | None          |              |               | 8          | -   | Black | SJS862100P  | SJS862200P<br>SJS809130P* |
| SJS862101P | 9             | 22           | M39029/57-354 |            |     |       |             |                           |



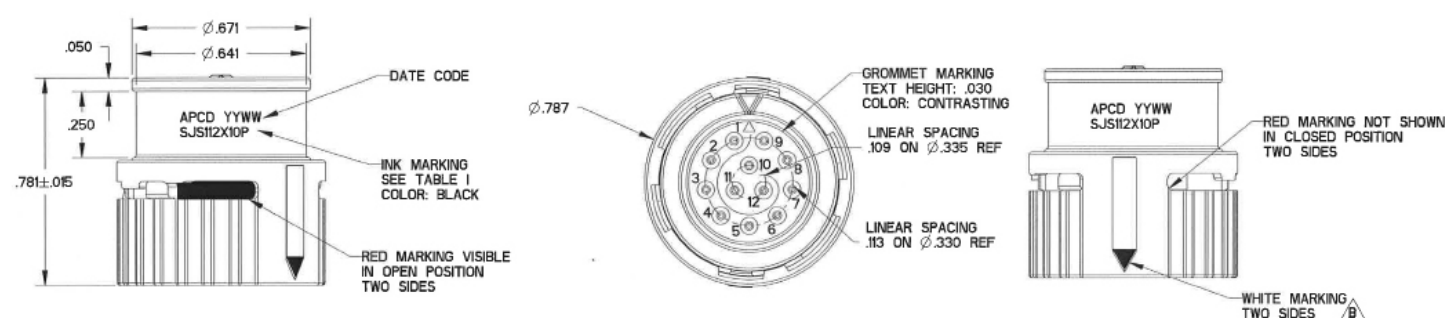
## 12 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating                                  |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|-----------------------------------------|
| SJS861300P | None          |              |               | 8          | -   | White | SJS861300P  | SJS861400P<br>SJS812730P<br>SJS812760P* |
| SJS861301P | 12            | 22           | M39029/57-354 |            |     |       |             |                                         |



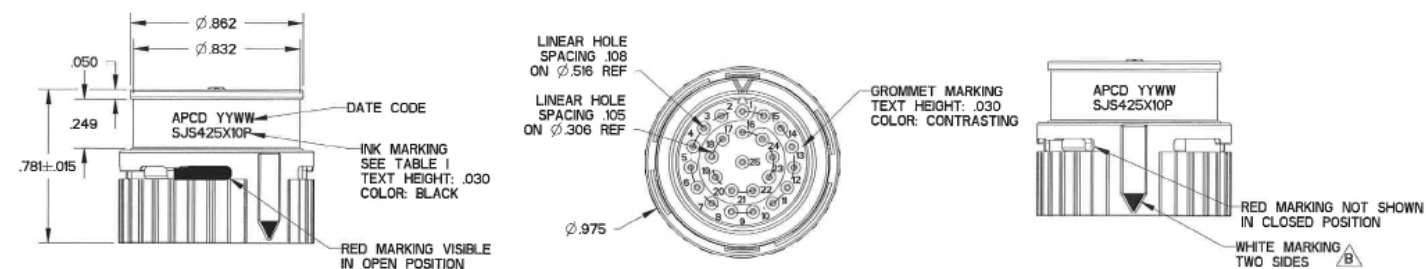
## 12 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating                   |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|--------------------------|
| SJS112110P | None          |              |               | 11         | A   | Black  | SJS112110P  | SJS112120P<br>SJS112160P |
| SJS112111P | 12            | 22           | M39029/57-354 |            |     |        |             |                          |
| SJS112210P | None          |              |               |            | B   | Green  | SJS112210P  | SJS112220P<br>SJS112260P |
| SJS112211P | 12            | 22           | M39029/57-354 |            |     |        |             |                          |
| SJS112310P | None          |              |               |            | C   | White  | SJS112310P  | SJS112320P<br>SJS112360P |
| SJS112311P | 12            | 22           | M39029/57-354 |            |     |        |             |                          |
| SJS112410P | None          |              |               |            | D   | Yellow | SJS112410P  | SJS112420P<br>SJS112460P |
| SJS112411P | 12            | 22           | M39029/57-354 |            |     |        |             |                          |



## 25 Position, Size 22 Inline Plug

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating                   |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|--------------------------|
| SJS425110P | None          |              |               | 14         | A   | Black  | SJS425110P  | SJS425120P<br>SJS425160P |
| SJS425111P | 25            | 22           | M39029/57-354 |            |     |        |             |                          |
| SJS425210P | None          |              |               |            | B   | Green  | SJS425210P  | SJS425220P<br>SJS425260P |
| SJS425211P | 25            | 22           | M39029/57-354 |            |     |        |             |                          |
| SJS425310P | None          |              |               |            | C   | White  | SJS425310P  | SJS425320P<br>SJS425360P |
| SJS425311P | 25            | 22           | M39029/57-354 |            |     |        |             |                          |
| SJS425410P | None          |              |               |            | D   | Yellow | SJS425410P  | SJS425420P<br>SJS425460P |
| SJS425411P | 25            | 22           | M39029/57-354 |            |     |        |             |                          |



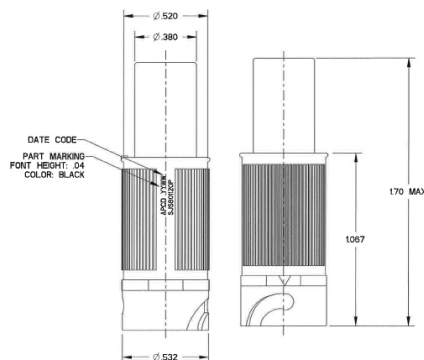
## Inline Receptacle

| Type              | Part Number | Position | Size    | Page |
|-------------------|-------------|----------|---------|------|
| Inline Receptacle | SJS830270P  | 2        | 22      | 16   |
|                   | SJS840300P  | 3        | 16      | 16   |
|                   | SJS862400P  | 3        | 20      | 17   |
|                   | SJS830230P  | 3        | 22      | 17   |
|                   | SJS840400P  | 4        | 16      | 18   |
|                   | SJS104120P  | 4        | 16      | 18   |
|                   | SJS704120P  | 4        | 16      | 19   |
|                   | SJS860500P  | 5        | 22      | 19   |
|                   | SJS861800P  | 6        | 22      | 20   |
|                   | SJS830200P  | 8        | 22      | 20   |
|                   | SJS860200P  | 9        | 16 & 22 | 21   |
|                   | SJS860900P  | 9        | 16 & 22 | 21   |
|                   | SJS862200P  | 9        | 22      | 22   |
|                   | SJS861400P  | 12       | 2       | 22   |
|                   | SJS112120P  | 12       | 22      | 23   |
|                   | SJS425120P  | 25       | 22      | 23   |

## 1 Position, Quadrax Inline Receptacle High Speed

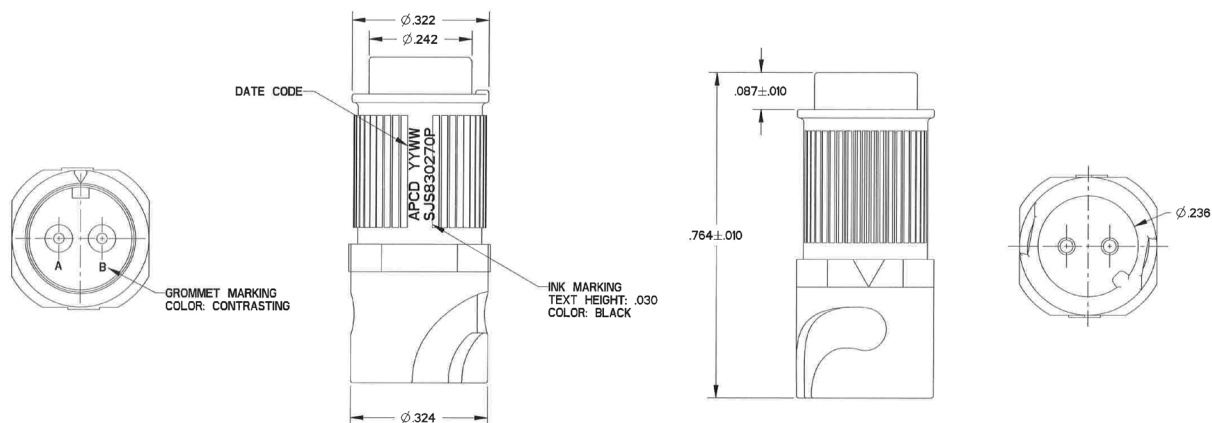
Contact P/N Dependent on Cable Type

| APCD P/N      | Contact Type        | Contact P/N | Shell Size | Key | Color | P/N Marking | Mating        |
|---------------|---------------------|-------------|------------|-----|-------|-------------|---------------|
| SJS801120P    | None                |             | 8          | -   | Black | SJS801110P  | SJS801110P    |
| SJS801120P-1  | Power               | CNS808100   |            |     |       |             | SJS801110P-1  |
| SJS801120P-2  | Differential Twinax | CNS882100   |            |     |       |             | SJS801110P-2  |
| SJS801120P-3  |                     | CNS882110   |            |     |       |             | SJS801110P-3  |
| SJS801120P-4  |                     | CNS882120   |            |     |       |             | SJS801110P-4  |
| SJS801120P-5  |                     | CNS882130   |            |     |       |             | SJS801110P-5  |
| SJS801120P-6  |                     | CNS882140   |            |     |       |             | SJS801110P-6  |
| SJS801120P-7  |                     | CNS882150   |            |     |       |             | SJS801110P-7  |
| SJS801120P-8  | Quadrax             | CNS882200   |            |     |       |             | SJS801110P-8  |
| SJS801120P-9  |                     | CNS882210   |            |     |       |             | SJS801110P-9  |
| SJS801120P-10 |                     | CNS882220   |            |     |       |             | SJS801110P-10 |
| SJS801120P-11 |                     | CNS882230   |            |     |       |             | SJS801110P-11 |
| SJS801120P-12 |                     | CNS882240   |            |     |       |             | SJS801110P-12 |
| SJS801120P-13 |                     | CNS882250   |            |     |       |             | SJS801110P-13 |



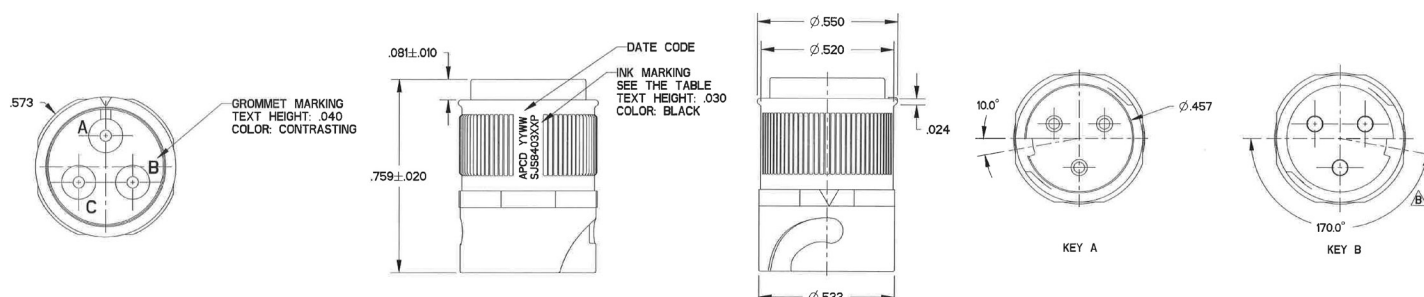
## 2 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS830270P | None          |              |               | 5          | -   | Black | SJS830270P  | SJS830250P |
| SJS530271P | 2             | 22           | M39029/58-360 |            |     |       |             |            |



## 3 Position, Size 16 Inline Receptacle

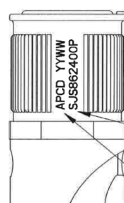
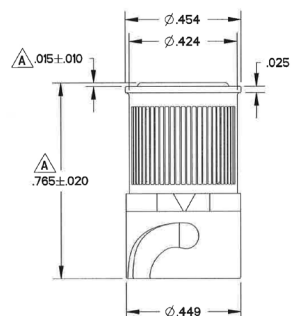
| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS840300P | None          |              |               | 8          | A   | White | SJS840300P  | SJS840310P |
| SJS840301P | 3             | 16           | M39029/58-364 |            |     |       |             |            |
| SJS840350P | None          |              |               |            | B   | Black | SJS840350P  | SJS840340P |
| SJS840351P | 3             | 16           | M39029/58-364 |            |     |       |             |            |



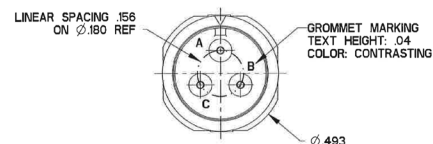


## 3 Position, Size 20 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS862400P | None          |              |               | 7          | -   | White | SJS862400P  | SJS862300P |
| SJS862401P | 3             | 20           | M39029/58-363 |            |     |       |             |            |

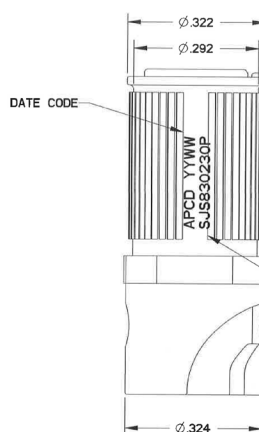
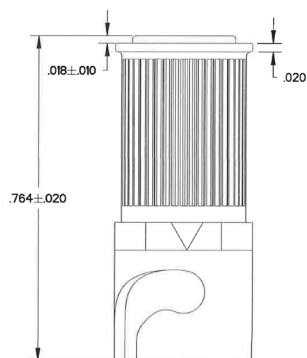
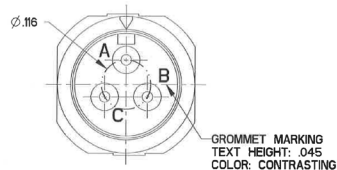


INK MARKING  
TEXT HEIGHT: .03  
COLOR: BLACK  
DATE CODE

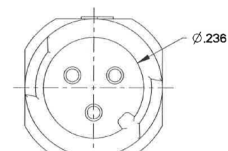


## 3 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS830230P | None          |              |               | 5          | -   | Black | SJS830230P  | SJS830210P |
| SJS830231P | 3             | 22           | M39029/58-360 |            |     |       |             |            |

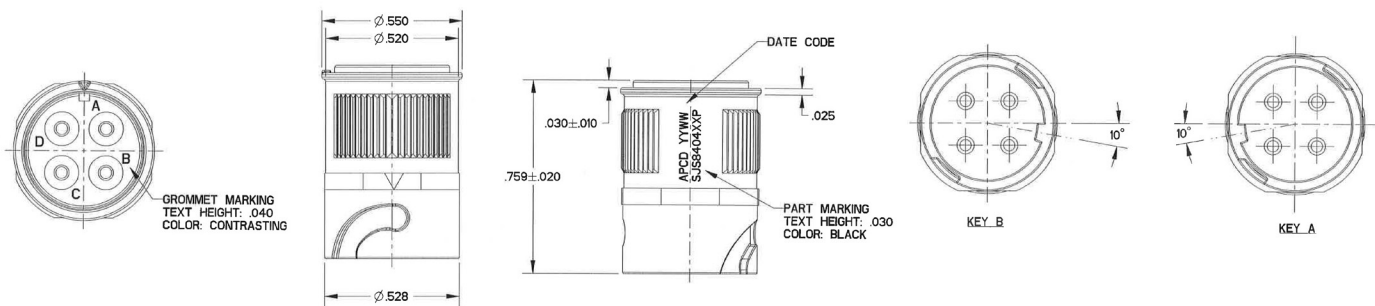


INK MARKING  
TEXT HEIGHT: .030  
COLOR: BLACK



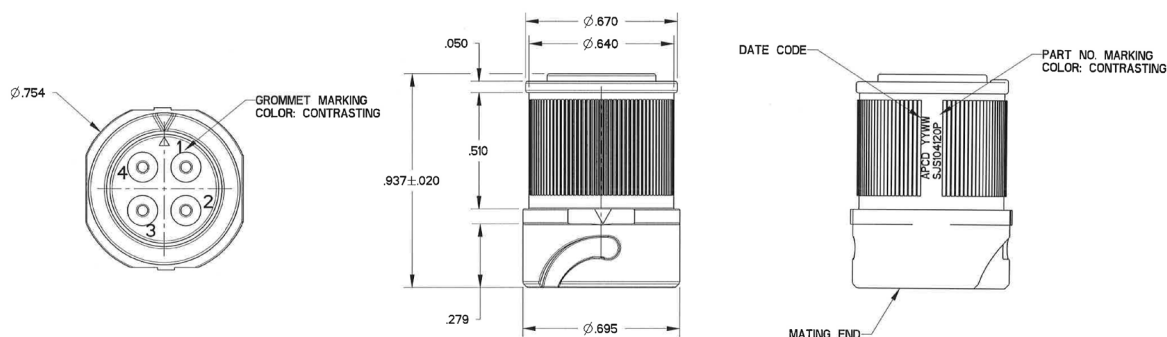
## 4 Position, Size 16 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS840400P | None          |              |               | 8          | A   | White | SJS840400P  | SJS840410P |
| SJS840401P | 4             | 16           | M39029/58-364 |            |     |       |             |            |
| SJS840450P | None          |              |               |            | B   |       | SJS840450P  | SJS840440P |
| SJS840451P | 4             | 16           | M39029/58-364 |            |     |       |             |            |



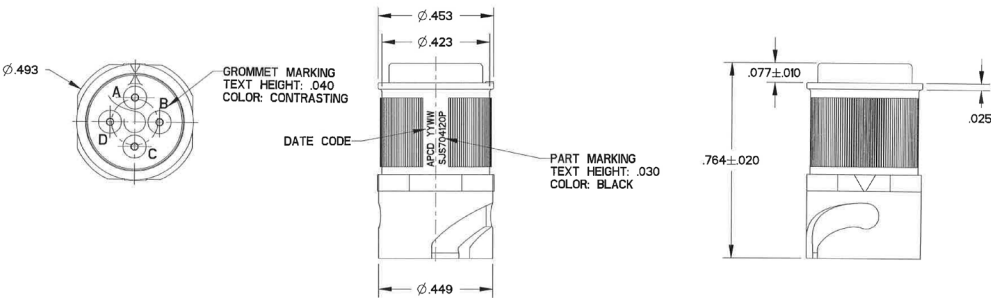
## 4 Position, Size 16 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating      |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|-------------|
| SJS104120P | None          |              |               | 11         | -   | Black | SJS104120P  | SJSB104110P |
| SJS104121P | 4             | 16           | M39029/58-364 |            |     |       |             |             |



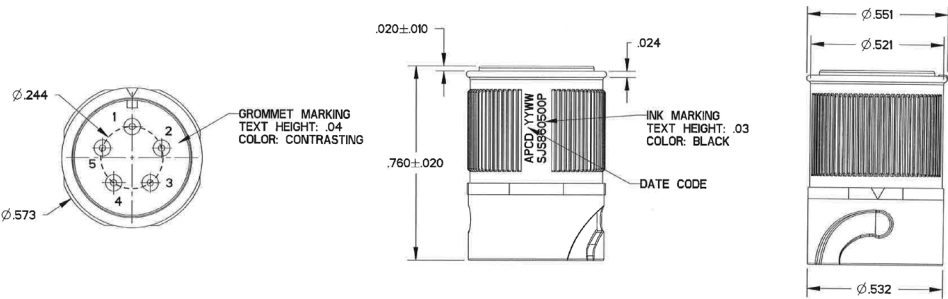
4 Position, Size 20 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS704120P | None          |              |               | 7          | -   | Black | SJS704120P  | SJS704110P |
| SJS704121P | 4             | 20           | M39029/58-363 |            |     |       |             |            |



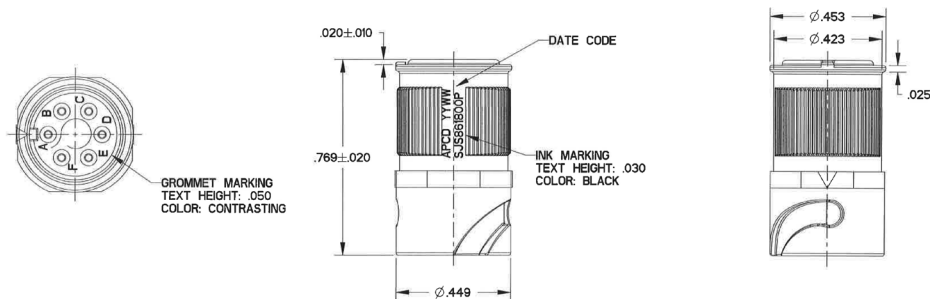
5 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS860500P | None          |              |               | 8          | -   | White | SJS860500P  | SJS860510P |
| SJS860501P | 5             | 22           | M39029/58-360 |            |     |       |             |            |



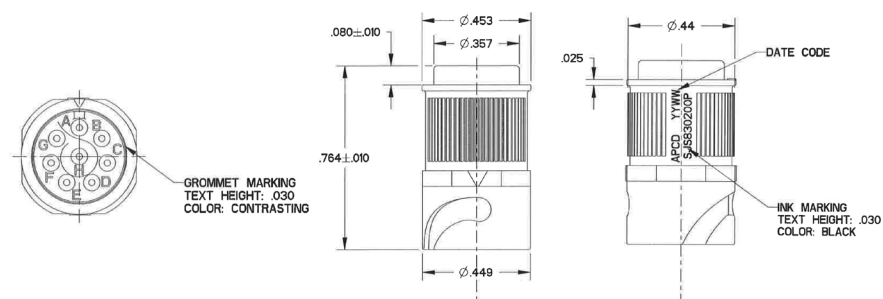
## 6 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS861800P | None          |              |               | 7          | -   | Black | SJS861800P  | SJS861700P |
| SJS861801P | 6             | 22           | M39029/58-360 |            |     |       |             |            |



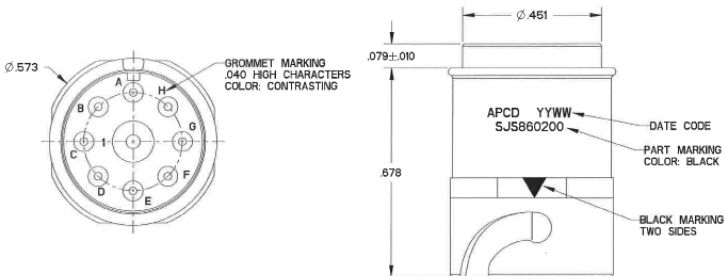
## 8 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|------------|
| SJS830200P | None          |              |               | 7          | A   | Black  | SJS830200P  | SJS830100P |
| SJS831200P | 8             | 22           | M39029/58-360 |            |     |        |             |            |
| SJS830201P | None          |              |               |            | B   | Green  | SJS830201P  | SJS830101P |
| SJS831201P | 8             | 22           | M39029/58-360 |            |     |        |             |            |
| SJS830202P | None          |              |               |            | C   | Yellow | SJS830202P  | SJS830102P |
| SJS831202P | 8             | 22           | M39029/58-360 |            |     |        |             |            |



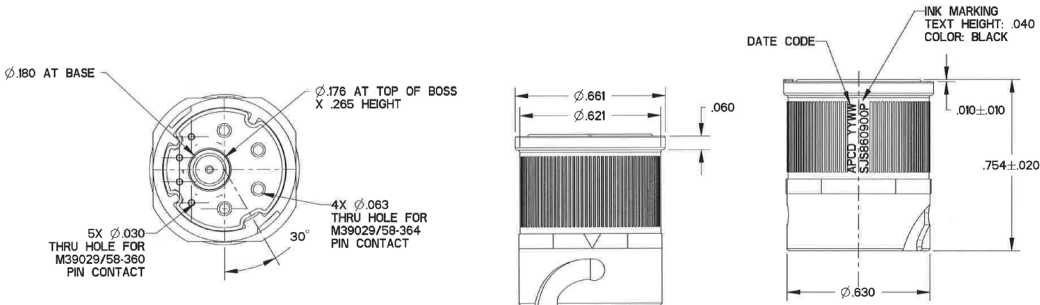
9 Position, Size 16 & 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS860200P | None          |              |               | 8          | -   | White | SJS860200P  | SJS860100P |
| SJS860201P | 1             | 16           | M39029/57-358 |            |     |       |             |            |
|            | 8             | 22D          | M39029/57-354 |            |     |       |             |            |



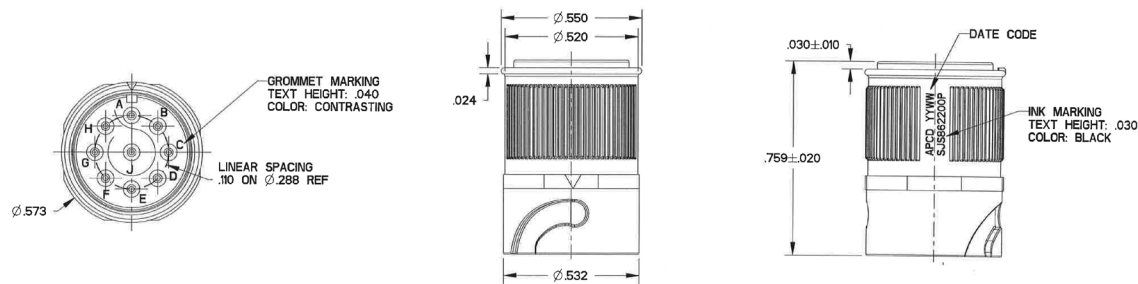
9 Position, Size 16 & 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS860900P | None          |              |               | 10         | -   | White | SJS860900P  | SJS860910P |
| SJS860901P | 5             | 22           | M39029/58-360 |            |     |       |             |            |
|            | 4             | 16           | M39029/58-364 |            |     |       |             |            |



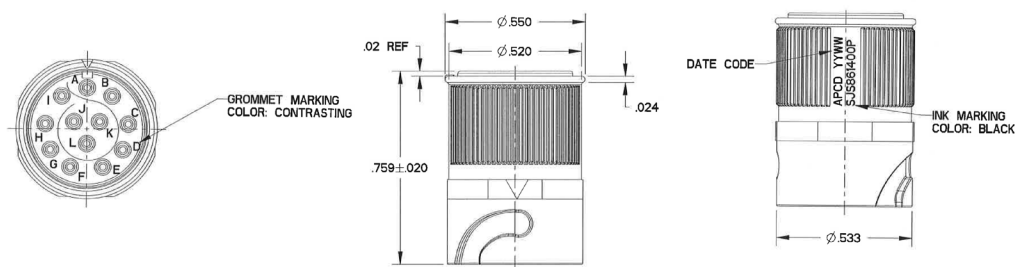
9 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS862200P | None          |              |               | 8          | -   | Black | SJS862200P  | SJS862100P |
| SJS862201P | 9             | 22           | M39029/58-360 |            |     |       |             |            |



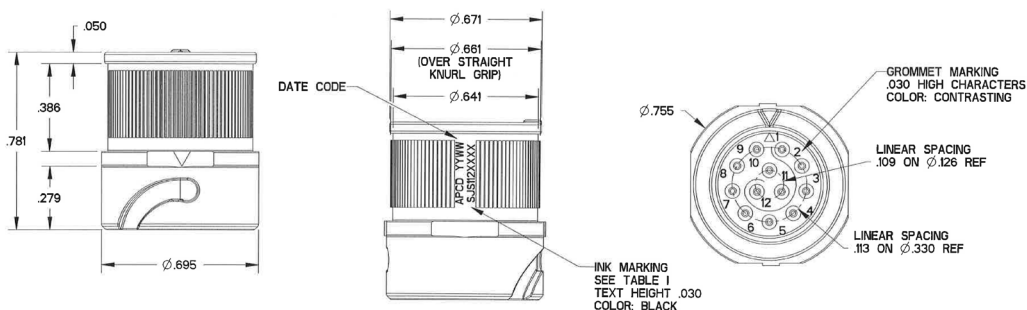
12 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS861400P | None          |              |               | 8          | -   | White | SJS861400P  | SJS861300P |
| SJS861401P | 12            | 22           | M39029/58-360 |            |     |       |             |            |



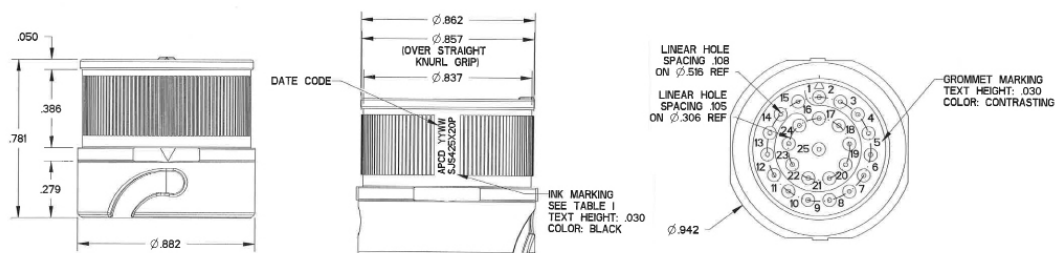
## 12 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|------------|
| SJS112120P | None          |              |               | 11         | A   | Black  | SJS112120P  | SJS112110P |
| SJS112121P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112220P |               |              |               |            | B   | Green  | SJS112220P  | SJS112210P |
| SJS112221P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112320P |               |              |               |            | C   | White  | SJS112320P  | SJS112310P |
| SJS112321P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112420P |               |              |               |            | D   | Yellow | SJS112420P  | SJS112410P |
| SJS112421P | 12            | 22           | M39029/58-360 |            |     |        |             |            |



## 25 Position, Size 22 Inline Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|------------|
| SJS425120P | None          |              |               | 14         | A   | Black  | SJS425120P  | SJS425110P |
| SJS425121P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425220P | None          |              |               |            | B   | Green  | SJS425220P  | SJS425210P |
| SJS425221P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425320P | None          |              |               |            | C   | White  | SJS425320P  | SJS425310P |
| SJS425321P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425420P | None          |              |               |            | D   | Yellow | SJS425420P  | SJS425410P |
| SJS425421P | 25            | 22           | M39029/58-360 |            |     |        |             |            |

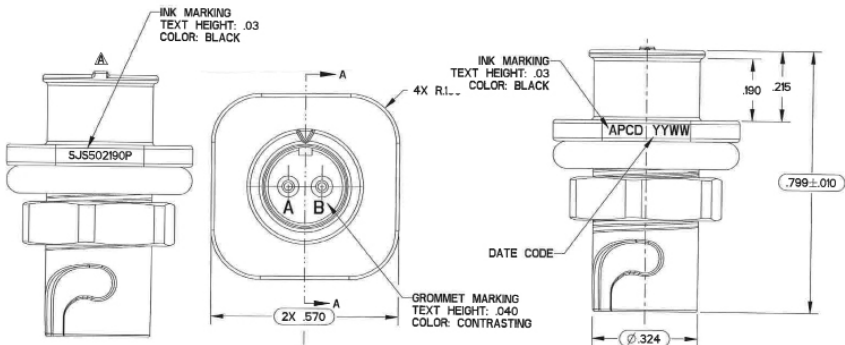


Jamnut Rear Mount Receptacle

| Type                         | Part Number | Position | Size | Page |
|------------------------------|-------------|----------|------|------|
| Jamnut Rear Mount Receptacle | SJS502190P  | 2        | 22   | 24   |
|                              | SJS503190P  | 3        | 22   | 25   |
|                              | SJS804790P  | 4        | 16   | 25   |

2 Position, Size 22 Jamnut Rear Mount Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS502190P | None          |              |               | 5          | -   | Black | SJS502190P  | SJS830250P |
| SJS502191P | 2             | 22           | M39029/58-360 |            |     |       |             |            |

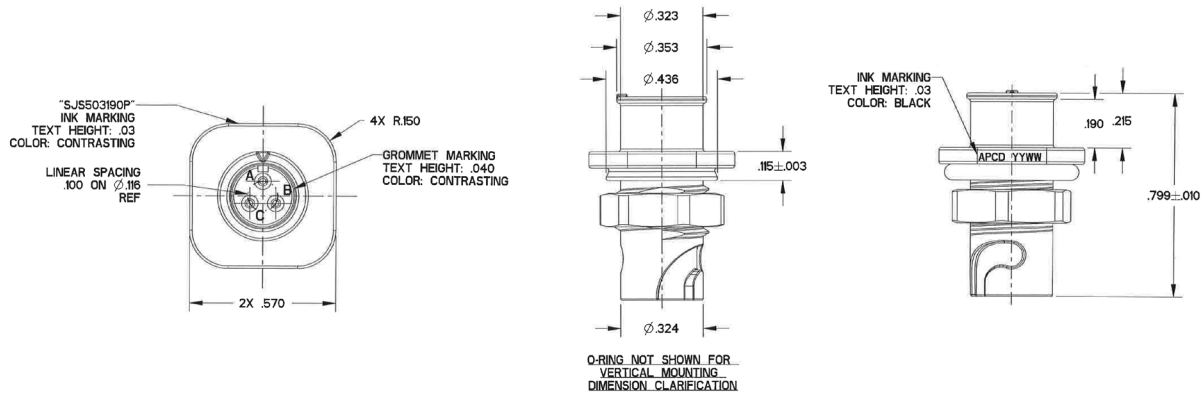




# JAMNUT REAR MOUNT RECEPTACLE

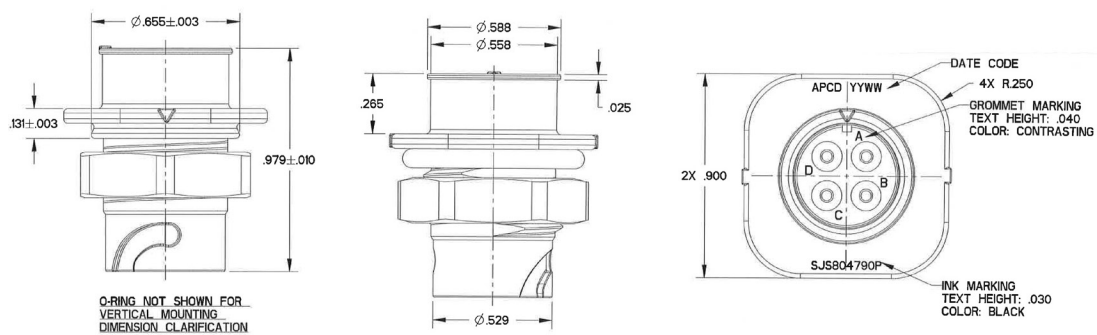
## 3 Position, Size 22 Jamnut Rear Mount Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS503190P | None          |              |               | 5          | -   | Black | SJS503190P  | SJS830210P |
| SJS503191P | 3             | 22           | M39029/58-360 |            |     |       |             |            |



## 4 Position, Size 16 Jamnut Rear Mount Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS804790P | None          |              |               | 8          | A   | White | SJS804790P  | SJS840410P |
| SJS804791P | 4             | 16           | M39029/58-364 |            |     |       |             |            |

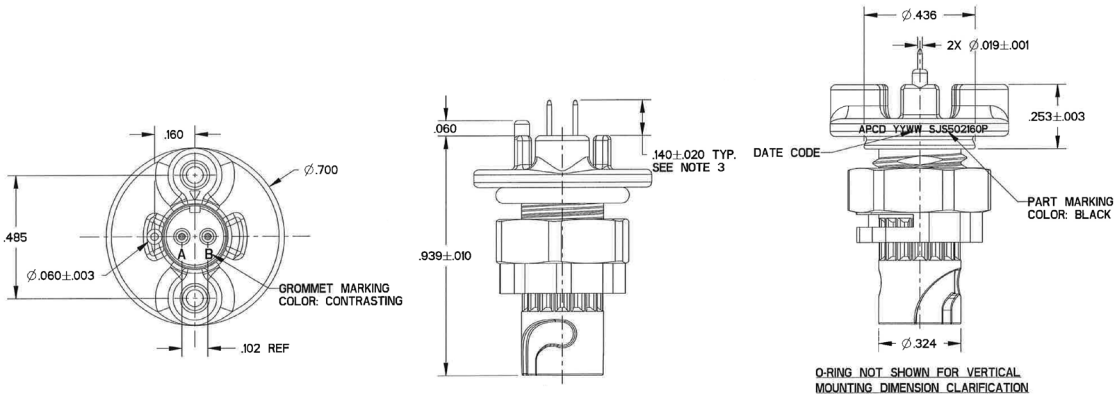


Jamnut Receptacle

| Type              | Part Number | Position | Size | Page |
|-------------------|-------------|----------|------|------|
| Jamnut Receptacle | SJS502160P  | 2        | 22   | 26   |
|                   | SJS503160P  | 3        | 22   | 27   |
|                   | SJS804760P  | 4        | 16   | 27   |
|                   | SJS706160P  | 6        | 22   | 28   |
|                   | SJS708160P  | 8        | 22   | 28   |
|                   | SJS112160P  | 12       | 22   | 29   |
|                   | SJS425160P  | 25       | 22   | 29   |

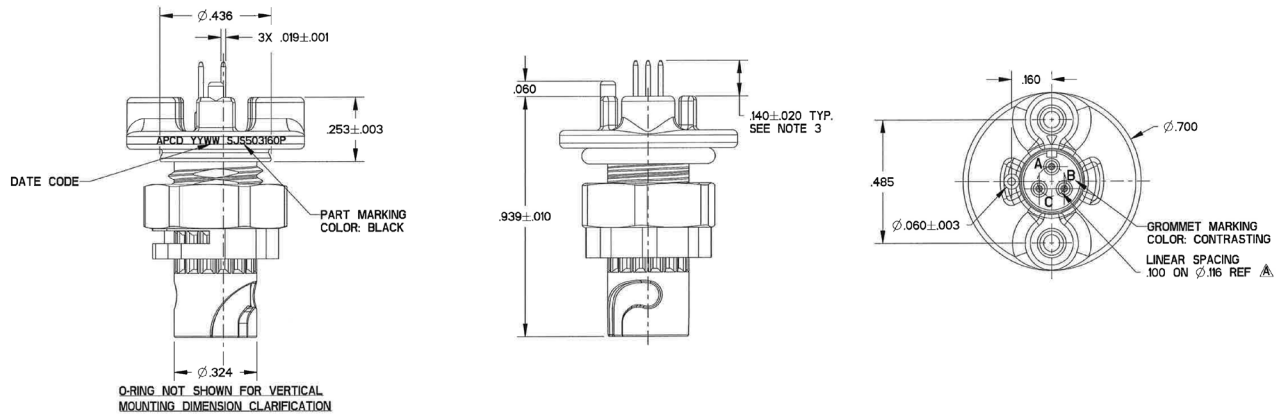
2 Position, Size 22 PCB Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS502160P | None          |              |               | 5          | -   | Black | SJS502160P  | SJS830250P |
| SJS502161P | 2             | 22           | M39029/58-360 |            |     |       |             |            |
| SJS502162P | 2             | 22           | CNP831033     |            |     |       |             |            |



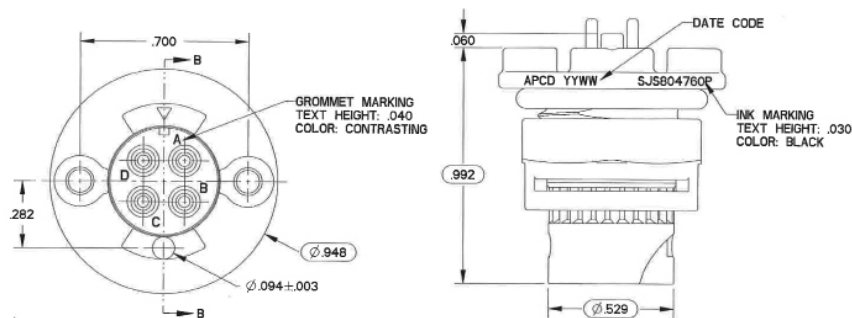
## 3 Position, Size 22 Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS503160P | None          |              |               | 5          | -   | Black | SJS503160P  | SJS830210P |
| SJS503161P | 3             | 22           | M39029/58-360 |            |     |       |             |            |
| SJS503162P | 3             | 22           | CNP831033     |            |     |       |             |            |



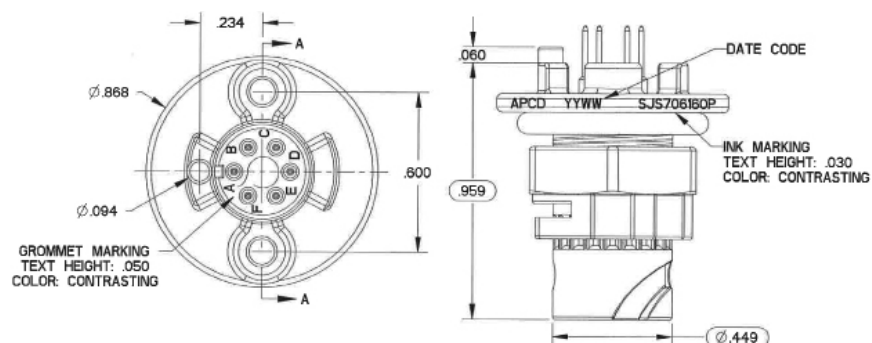
## 4 Position, Size 16 Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS804760P | None          |              |               | 8          | A   | White | SJS804760P  | SJS840410P |
| SJS804761P | 4             | 16           | M39029/58-364 |            |     |       |             |            |
| SJS804762P | 4             | 16           | CNP8310160    |            |     |       |             |            |



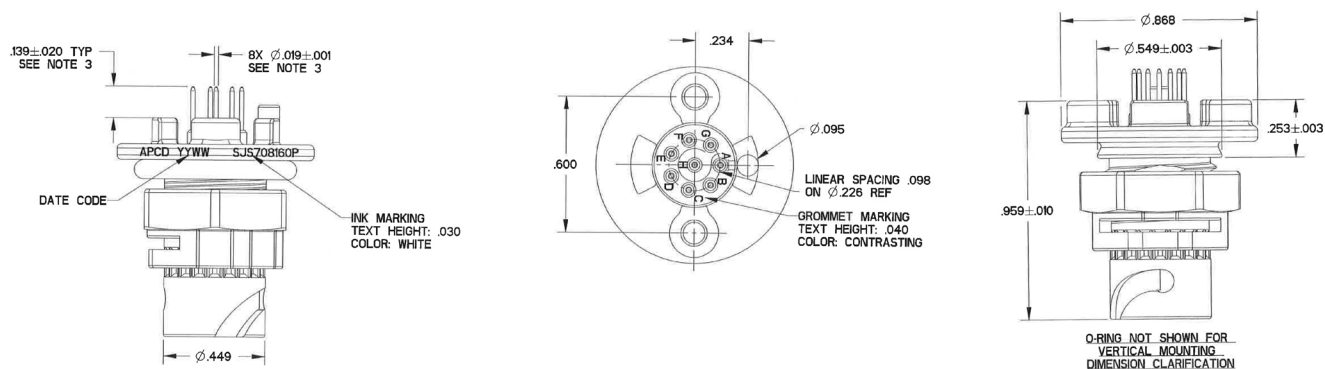
## 6 Position, Size 22 Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS706160P | None          |              |               | 7          | -   | Black | SJS706160P  | SJS861700P |
| SJS706161P | 6             | 22           | M39029/58-360 |            |     |       |             |            |
| SJS706162P | 6             | 22           | CNP831033     |            |     |       |             |            |



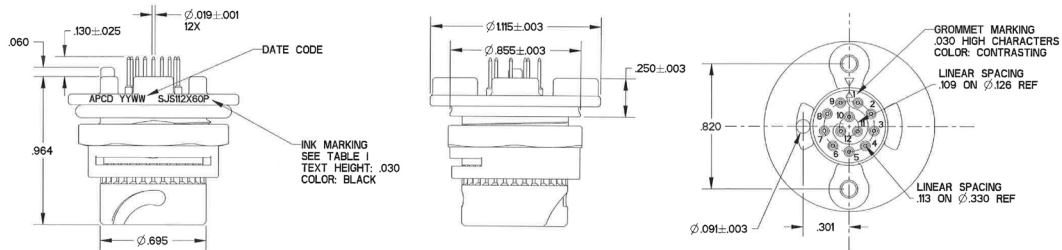
## 8 Position, Size 22 Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS708160P | None          |              |               | 7          | A   | Black | SJS708160P  | SJS830100P |
| SJS708161P | 8             | 22           | M39029/58-360 |            |     |       |             |            |
| SJS708162P | 8             | 22           | CNP831033     |            |     |       |             |            |



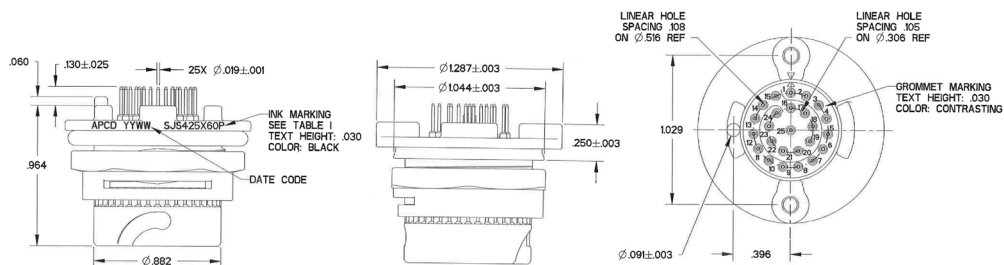
## 12 Position, Size 22 Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|------------|
| SJS112160P | None          |              |               | 11         | A   | Black  | SJS112160P  | SJS112110P |
| SJS112161P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112162P | 12            | 22           | CNP831033     |            |     |        |             |            |
| SJS112260P | None          |              |               |            | B   | Green  | SJS112260P  | SJS112210P |
| SJS112261P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112262P | 12            | 22           | CNP831033     |            |     |        |             |            |
| SJS112360P | None          |              |               |            | C   | White  | SJS112360P  | SJS112310P |
| SJS112361P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112362P | 12            | 22           | CNP831033     |            |     |        |             |            |
| SJS112460P | None          |              |               |            | D   | Yellow | SJS112460P  | SJS112410P |
| SJS112461P | 12            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS112462P | 12            | 22           | CNP831033     |            |     |        |             |            |



## 25 Position, Size 22 Jamnut Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|------------|
| SJS425160P | None          |              |               | 14         | A   | Black  | SJS425160P  | SJS425110P |
| SJS425161P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425162P | 25            | 22           | CNP831033     |            |     |        |             |            |
| SJS425260P | None          |              |               |            | B   | Green  | SJS425260P  | SJS425210P |
| SJS425261P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425262P | 25            | 22           | CNP831033     |            |     |        |             |            |
| SJS425360P | None          |              |               |            | C   | White  | SJS425360P  | SJS425310P |
| SJS425361P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425362P | 25            | 22           | CNP831033     |            |     |        |             |            |
| SJS425460P | None          |              |               |            | D   | Yellow | SJS425460P  | SJS425410P |
| SJS425461P | 25            | 22           | M39029/58-360 |            |     |        |             |            |
| SJS425462P | 25            | 22           | CNP831033     |            |     |        |             |            |

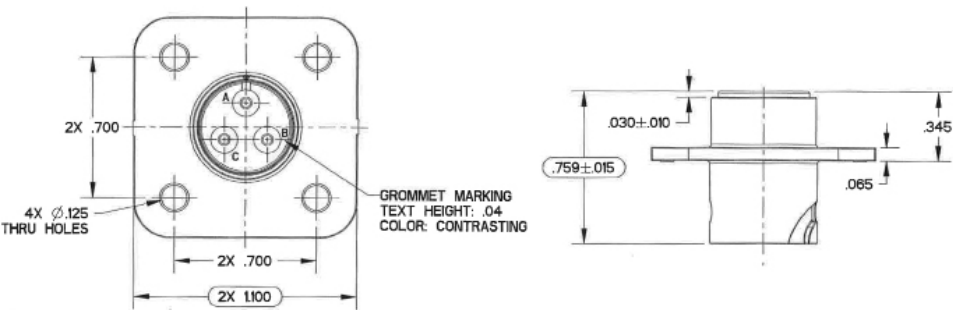


Square Receptacle

| Type              | Part Number | Position | Size     | Page |
|-------------------|-------------|----------|----------|------|
| Square Receptacle | SJS803730P  | 3        | 16       | 30   |
|                   | SJS862450P  | 3        | 20       | 31   |
|                   | SJS805730P  | 5        | 22       | 31   |
|                   | SJS830220P  | 8        | 22       | 32   |
|                   | SJS0AA730P  | 9        | 16 & 22D | 32   |
|                   | SJS812730P  | 12       | 22       | 33   |

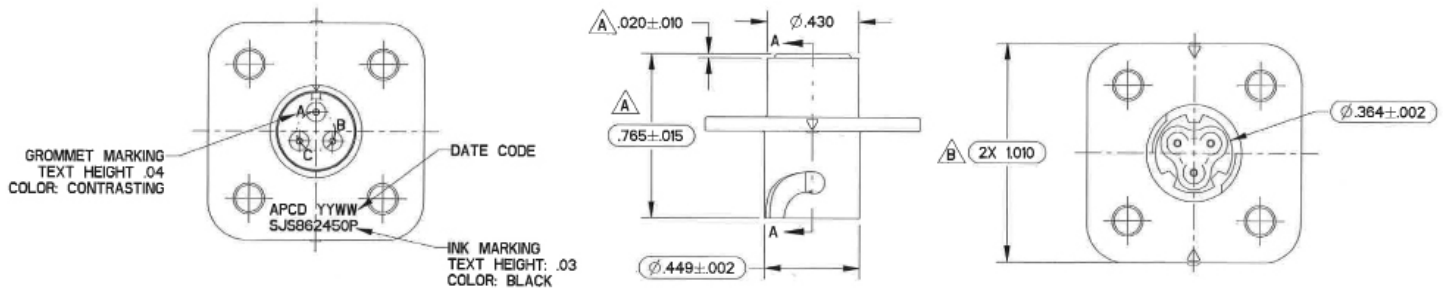
3 Position, Size 16 Square Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS803730P | None          |              |               | 8          | A   | White | SJS803730P  | SJS840310P |
| SJS803731P | 3             | 16           | M39029/58-364 |            | B   | Black | SJS803130P  | SJS840340P |
| SJS803130P | None          |              |               |            |     |       |             |            |
| SJS803131P | 3             | 16           | M39029/58-364 |            |     |       |             |            |



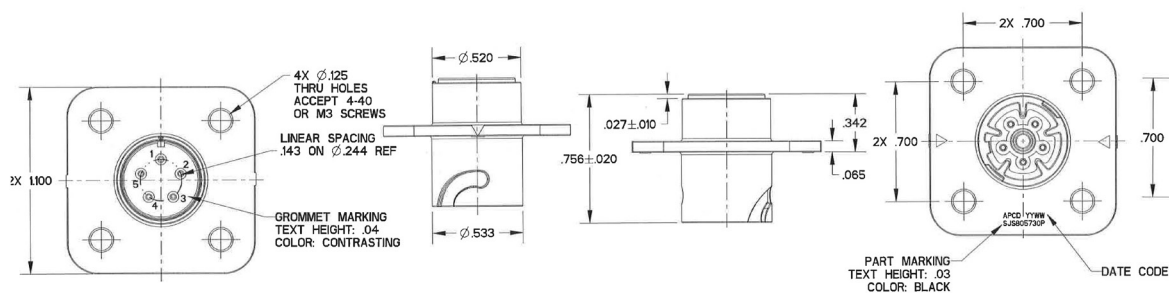
## 3 Position, Size 20 Square Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS862450P | None          |              |               | 7          | -   | White | SJS862450P  | SJS862300P |
| SJS862451P | 3             | 20           | M39029/58-363 |            |     |       |             |            |



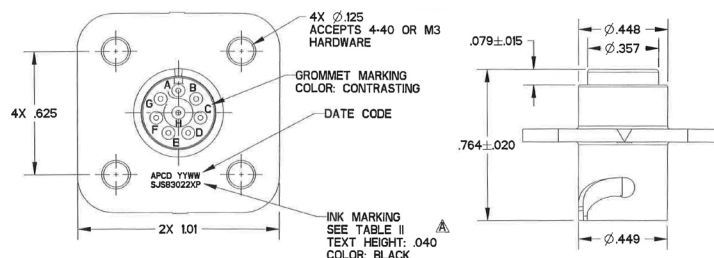
## 5 Position, Size 22 Square Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS805730P | None          |              |               | 8          | -   | White | SJS805730P  | SJS860510P |
| SJS805731P | 5             | 22           | M39029/58-360 |            |     |       |             |            |



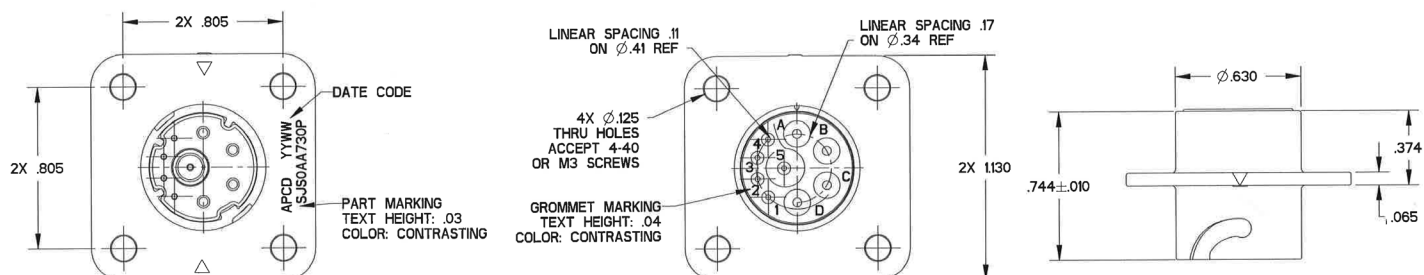
## 8 Position, Size 22 Square Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color  | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|--------|-------------|------------|
| SJS830220P | None          |              |               | 7          | A   | Black  | SJS830220P  | SJS830100P |
| SJS831220P | 8             | 22           | M39029/58-360 |            |     |        |             |            |
| SJS830221P | None          |              |               |            | B   | Green  | SJS830221P  | SJS830101P |
| SJS831221P | 8             | 22           | M39029/58-360 |            |     |        |             |            |
| SJS830222P | None          |              |               |            | C   | Yellow | SJS830222P  | SJS930102P |
| SJS831222P | 8             | 22           | M39029/58-360 |            |     |        |             |            |



## 9 Position, Size 16 & 22D Square Receptacle

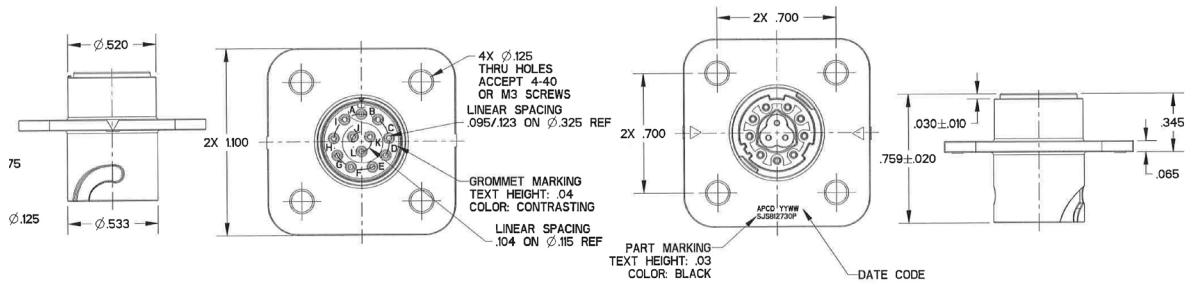
| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS0AA730P | None          |              |               | 10         | -   | White | SJS0AA730P  | SJS860910P |
| SJS0AA731P | 5             | 22D          | M39029/58-360 |            |     |       |             |            |
|            | 4             | 16           | M39029/58-364 |            |     |       |             |            |
| SJS0AA737P | 5             | 22           | CNP831033     |            |     |       |             |            |
|            | 3             | 16           | CNP8310160    |            |     |       |             |            |
|            | 1             | 16 COAX      | 173-900163-01 |            |     |       |             |            |





12 Position, Size 22 Square Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS812730P | None          |              |               | 8          | -   | White | SJS812730P  | SJS861300P |
| SJS512731P | 12            | 22           | M39029/58-360 |            |     |       |             |            |

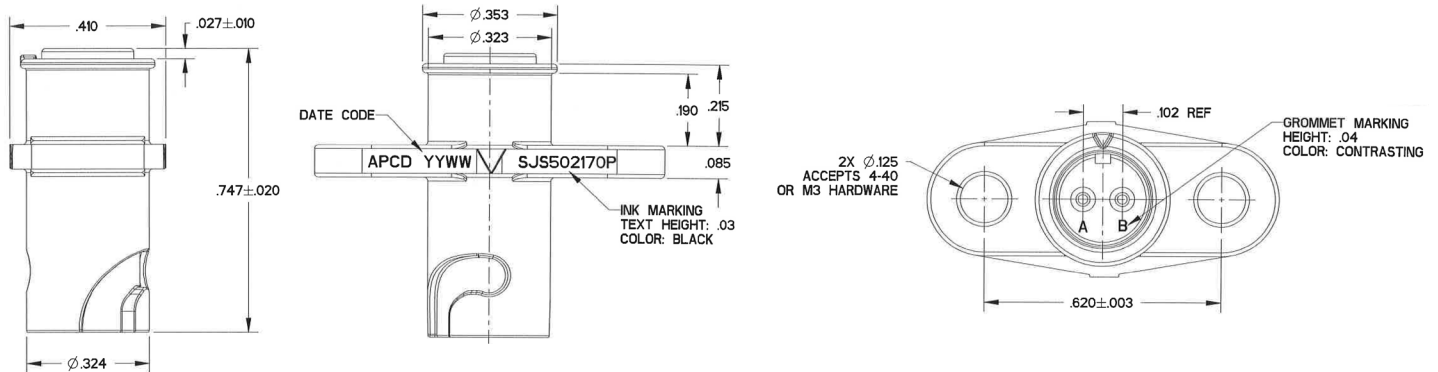


Oval Receptacle

| Type            | Part Number | Position | Size    | Page |
|-----------------|-------------|----------|---------|------|
| Oval Receptacle | SJS502170P  | 2        | 22      | 34   |
|                 | SJS503170P  | 3        | 22      | 34   |
|                 | SJS708170P  | 8        | 22      | 35   |
|                 | SJS0AB770P  | 10       | 16 & 22 | 35   |

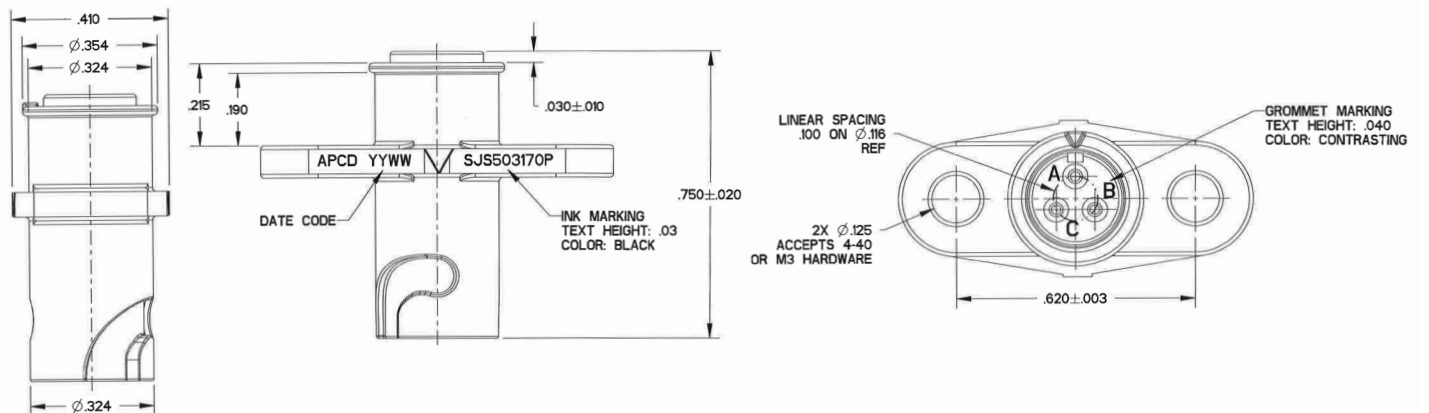
## 2 Position, Size 22 Oval Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS502170P | None          |              |               | 5          | -   | Black | SJS502170P  | SJS830250P |
| SJS502171P | 2             | 22           | M39029/58-360 |            |     |       |             |            |



## 3 Position, Size 22 Oval Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS503170P | None          |              |               | 5          | -   | Black | SJS503170P  | SJS830210P |
| SJS503171P | 3             | 22           | M39029/58-360 |            |     |       |             |            |



Technical drawings of the SJ5708170P connector showing front, side, and rear views with dimensions and labels.

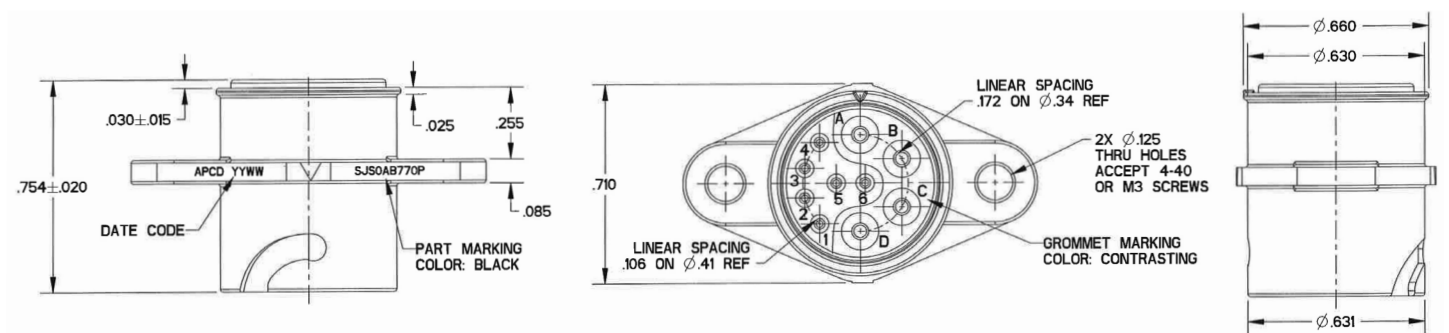
**Front View:** Shows a circular connector with 8 pins labeled A through H. Dimensions include a height of 538, a diameter of  $\phi 490$ , and a diameter of  $2 \times \phi 125$ . Labels include "GROMMET MARKING HEIGHT: .03 COLOR: CONTRASTING" and "LINEAR SPACING .098 ON  $\phi 226$  REF".

**Side View:** Shows the profile of the connector with a height of 771  $\pm$  .020 and a diameter of  $\phi 490$ . Labels include "DATE CODE", "APCD YYWW", "SJ5708170P", and "PART MARKING HEIGHT: .03 COLOR: CONTRASTING".

**Rear View:** Shows the back of the connector with a diameter of  $\phi 364$  and a diameter of  $\phi 449$ . A dimension of 1050 is shown for the overall width.

**RECOMMENDED PANEL CUTOUT:** A circular cutout with a diameter of  $\phi 490$  and a diameter of  $2 \times \phi 125$  for the mounting holes. The overall diameter is  $\phi 750$ .

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS0AB770P | None          |              |               | 10         | -   | White | SJS0AB770P  | SJS861100P |
| SJS0AB771P | 6             | 22           | M39029/58-360 |            |     |       |             |            |
|            | 4             | 16           | M39029/58-363 |            |     |       |             |            |

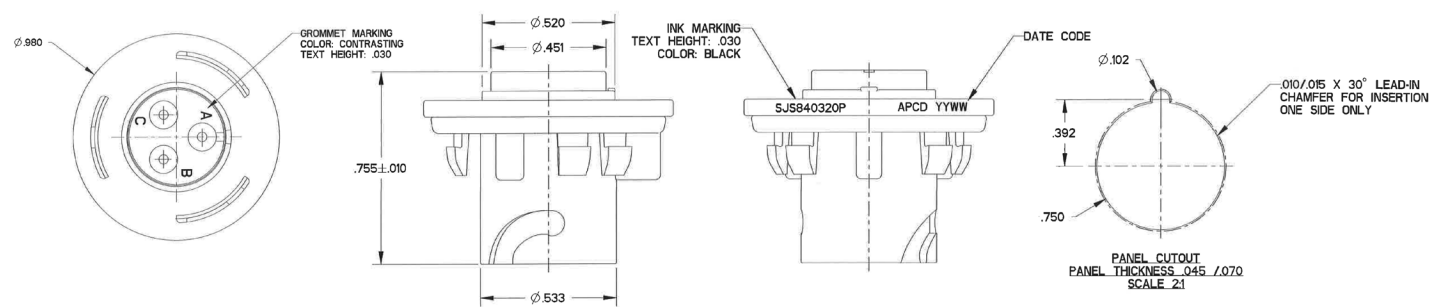


Circular Receptacle

| Type            | Part Number | Position | Size | Page |
|-----------------|-------------|----------|------|------|
| Oval Receptacle | SJS840320P  | 3        | 16   | 36   |
|                 | SJS860520P  | 5        | 22D  | 37   |

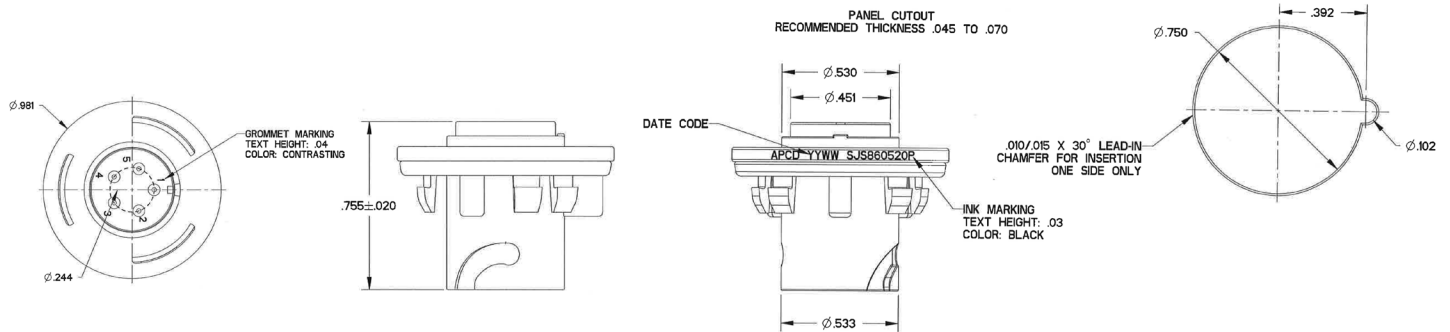
3 Position, Size 16 Circular Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS840320P | None          |              |               | 8          | A   | White | SJS840320P  | SJS840310P |
| SJS940321P | 3             | 16           | M39029/58-364 |            |     |       |             |            |
| SJS840330P | None          |              |               |            | B   | Black | SJS840330P  | SJS840340P |
| SJS840331P | 3             | 16           | M39029/58-364 |            |     |       |             |            |



## 5 Position, Size 22D Circular Receptacle

| APCD P/N   | # of Contacts | Contact Size | Contact P/N   | Shell Size | Key | Color | P/N Marking | Mating     |
|------------|---------------|--------------|---------------|------------|-----|-------|-------------|------------|
| SJS860520P | None          |              |               | 8          | -   | White | SJS860520P  | SJS860510P |
| SJS860521P | 5             | 22/22D       | M39029/58-360 |            |     |       |             |            |
| SJS870520P | None          |              |               |            |     |       | SJS870520P  | SJS870510P |
| SJS870521P | 5             | 22/22D       | M39029/58-360 |            |     |       |             |            |



## Accessories

|            |  |  |  |  |  |  |  |  |  |  |  |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Shell Size | Strain Relief Single                                                              | Strain Relief Single 90°                                                          | Strain Relief Single 45°                                                          | Double Strain Relief                                                              | Double Side Tape Mount Cradle                                                     | Screw Mount Cradle                                                                | Tube Mount Cradle                                                                  | Single Side Tape Tube Mount Cradle                                                  | Double Side Tape Tube Mount Cradle                                                  | Dummy Flanges                                                                       | Hard Protective Caps                                                                |
| 5          | SJSA55000                                                                         | SJSA55100                                                                         | SJSA55200                                                                         | SJSA56000                                                                         | SJS257000                                                                         | SJS257100                                                                         | SJSA5V000                                                                          | SJS5AV010                                                                           | SJS5AV020                                                                           | -                                                                                   | SJSA5B000                                                                           |
| 7          | SJS450350                                                                         | SJSA75100                                                                         | SJSA75200                                                                         | SJSA76000                                                                         | SJS883000                                                                         | SJS450250                                                                         | SJSA7V000                                                                          | SJSA7V010                                                                           | SJSA7V020                                                                           | SJS830220D                                                                          | SJSA7B000                                                                           |
| 8          | SJSA85000                                                                         | SJSA85100                                                                         | SJSA85200                                                                         | SJSA86000                                                                         | SJS445000                                                                         | SJS450100                                                                         | SJSA8V000                                                                          | SJSA8V010                                                                           | SJSA8V020                                                                           | -                                                                                   | SJSA8B000                                                                           |
| 10         | SJSA05000                                                                         | SJSA05100                                                                         | SJSA05200                                                                         | SJSA06000                                                                         | SJS991000                                                                         | -                                                                                 | SJSA0V000                                                                          | SJSA0V010                                                                           | SJSA0V020                                                                           | SJS0AA730D                                                                          | SJSA0B000                                                                           |

## Contact Matrix

| Contact Size | Contact Style | Available |            | Contact P/N |                  | QPL Part No.<br>(Machined Only) | Contact Retention             | Crimp Tensile Strength |
|--------------|---------------|-----------|------------|-------------|------------------|---------------------------------|-------------------------------|------------------------|
|              |               | Push-Pull | Twist-Lock | Machined    | Stamped & Formed |                                 |                               |                        |
| 12           | Pin           | Yes       | Yes        | CNP058365   | SCP058365        | M39029/58-365                   | .012" [0,30mm] @ 30lbf [133N] | 100lbf [445N]          |
|              | Socket        | No        | Yes        | CNS057359   | SCS057359        | M39029/57-359                   |                               |                        |
|              | Socket-L      | Yes       | No         | CNS056353   | n/a              | M39029/56-353                   |                               |                        |
| 16           | Pin           | Yes       | Yes        | CNP058364   | SCP058364        | M39029/58-364                   | .012" [0,30mm] @ 25lbf [111N] | 40lbf [180N]           |
|              | Socket        | No        | Yes        | CNS057358   | SCS057358        | M39029/57-358                   |                               |                        |
|              | Socket-L      | Yes       | No         | CNS056352   | n/a              | M39029/56-352                   |                               |                        |
| 20           | Pin           | Yes       | Yes        | CNP058363   | SCP058363        | M39029/58-363                   | .012" [0,30mm] @ 20lbf [90N]  | 20lbf [90N]            |
|              | Socket        | No        | Yes        | CNS057357   | SCS057357        | M39029/57-357                   |                               |                        |
|              | Socket-L      | Yes       | No         | CNS056351   | n/a              | M39029/56-351                   |                               |                        |
| 22D          | Pin           | No        | Yes        | CNP058360   | n/a              | M39029/58-360                   | .012" [0,30mm] @ 10lbf [44N]  | 10 lbf [45N]           |
|              | Socket        | No        | Yes        | CNS057354   | n/a              | M39029/57-354                   |                               |                        |

| Contact Size | Wire Accommodations |                        |                              |                              |
|--------------|---------------------|------------------------|------------------------------|------------------------------|
|              | Size (AWG)          | Max Current Rating (A) | ØD Range                     | Strip Length                 |
| 12           | 12                  | 23                     | .097 - .142" [2,46 - 3,61mm] | .209 - .240" [5,31 - 6,10mm] |
|              | 14                  | 17                     |                              |                              |
| 16           | 16                  | 13                     | .065 - .109" [1,65 - 2,77mm] | .209 - .240" [5,31 - 6,10mm] |
|              | 18                  | 10                     |                              |                              |
|              | 20                  | 7.5                    |                              |                              |
| 20           | 20                  | 7.5                    | .040 - .083" [1,02 - 2,11mm] | .209 - .240" [5,31 - 6,10mm] |
|              | 22                  | 5                      |                              |                              |
|              | 24                  | 3                      |                              |                              |
| 22D          | 22                  | 5                      | .030 - .054" [0,76 - 1,37mm] | .141 - .172" [3,58 - 4,37mm] |
|              | 24                  | 3                      |                              |                              |
|              | 26                  | 2                      |                              |                              |
|              | 28                  | 1.5                    |                              |                              |

# ACCESSORIES, CONTACTS & TOOLING

## Tooling Part Numbers



| Contact P/N   | Mating End Size | Wire Barrel Size | Wire Gauge Range | Test Current Per Wire Gauge (A) | Crimp Tool  | Positioner           | Installation Tool | Extraction Tool |
|---------------|-----------------|------------------|------------------|---------------------------------|-------------|----------------------|-------------------|-----------------|
| M39029/22-191 | 22              | 22               | 22               | 5                               | M22520/7-01 | M22520/7-11          | M81960/14-01      |                 |
|               |                 |                  | 24               | 3                               |             |                      |                   |                 |
|               |                 |                  | 26               | 2                               |             |                      |                   |                 |
| M39029/22-192 | 20              | 20               | 20               | 7.5                             | M22520/7-01 | M22520/7-12          | M81969/14-10      |                 |
|               |                 |                  | 22               | 5                               |             |                      |                   |                 |
|               |                 |                  | 24               | 3                               |             |                      |                   |                 |
| M39029/22-193 | 16              | 16               | 16               | 13                              | M22520/7-01 | M22520/7-13          | M81969/14-03      |                 |
|               |                 |                  | 18               | 10                              |             |                      |                   |                 |
|               |                 |                  | 20               | 7.5                             |             |                      |                   |                 |
| M39029/22-605 | 12              | 12               | 12               | 23                              | M22520/1-01 | M22520/1-16          | M81969/16-03      |                 |
|               |                 |                  | 14               | 17                              |             |                      |                   |                 |
| M39029/56-351 | 20              | 20               | 20               | 7.5                             | M22520/1-01 | M22520/1-04 (Red)    | M81969/8-05       | M81969/8-06     |
|               |                 |                  | 22               | 5                               | M22520/2-01 | M22520/2-10          | M81969/14-10      |                 |
|               |                 |                  | 24               | 3                               | M22520/7-01 | M22520/7-08          |                   |                 |
| M39029/56-352 | 16              | 16               | 16               | 13                              | M22520/1-01 | M22520/1-04 (Blue)   | M81969/8-07       | M81969/8-08     |
|               |                 |                  | 18               | 10                              | M22520/7-01 | M22520/7-04          | M81969/14-03      |                 |
|               |                 |                  | 20               | 7.5                             |             |                      |                   |                 |
| M39029/56-353 | 12              | 12               | 12               | 23                              | M22520/1-01 | M22520/1-04 (Yellow) | M81969/8-09       | M81969/8-10     |
|               |                 |                  | 14               | 17                              |             |                      | M81969/14-04      |                 |
| M39029/57-354 | 22              | 22D              | 22               | 5                               | M22520/2-01 | M22520/2-06          | M81969/8-01       | M81969/8-02     |
|               |                 |                  | 24               | 3                               | M22520/7-01 | M22520/7-06          | M81960/14-01      |                 |
|               |                 |                  | 26               | 2                               |             |                      |                   |                 |
|               |                 |                  | 28               | 1.5                             |             |                      |                   |                 |
| M39029/57-357 | 20              | 20               | 20               | 7.5                             | M22520/1-01 | M22520/1-04 (Red)    | M81969/8-05       | M81969/8-06     |
|               |                 |                  | 22               | 5                               | M22520/2-01 | M22520/2-10          | M81969/14-10      |                 |
|               |                 |                  | 24               | 3                               | M22520/7-01 | M22520/7-08          |                   |                 |
| M39029/57-358 | 16              | 16               | 16               | 13                              | M22520/1-01 | M22520/1-04 (Blue)   | M81969/8-07       | M81969/8-08     |
|               |                 |                  | 18               | 10                              | M22520/7-01 | M22520/7-04          | M81969/14-03      |                 |
|               |                 |                  | 20               | 7.5                             |             |                      |                   |                 |
| M39029/57-359 | 12              | 12               | 12               | 23                              | M22520/1-01 | M22520/1-04 (Yellow) | M81969/8-09       | M81969/8-10     |
|               |                 |                  | 14               | 17                              |             |                      | M81969/14-04      |                 |
| M39029/58-360 | 22              | 22D              | 22               | 5                               | M22520/2-01 | M22520/2-09          | M81969/8-01       | M81969/8-02     |
|               |                 |                  | 24               | 3                               | M22520/7-01 | M22520/7-07          | M81969/14-01      |                 |
|               |                 |                  | 26               | 2                               |             |                      |                   |                 |
|               |                 |                  | 28               | 1.5                             |             |                      |                   |                 |
| M39029/58-363 | 20              | 20               | 20               | 7.5                             | M22520/1-01 | M22520/1-04 (Red)    | M81969/8-05       | M81969/8-06     |
|               |                 |                  | 22               | 5                               | M22520/2-01 | M22520/2-10          | M81969/14-10      |                 |
|               |                 |                  | 24               | 3                               | M22520/7-01 | M22520/7-08          |                   |                 |
| M39029/58-364 | 16              | 16               | 16               | 13                              | M22520/1-01 | M22520/1-04 (Blue)   | M81969/8-07       | M81969/8-08     |
|               |                 |                  | 18               | 10                              | M22520/7-01 | M22520/7-04          | M81969/14-03      |                 |
|               |                 |                  | 20               | 7.5                             |             |                      |                   |                 |
| M39029/58-365 | 12              | 12               | 12               | 23                              | M22520/1-01 | M22520/1-04 (Yellow) | M81969/8-09       | M81969/8-10     |
|               |                 |                  | 14               | 17                              |             |                      | M81969/14-04      |                 |

Wire Information

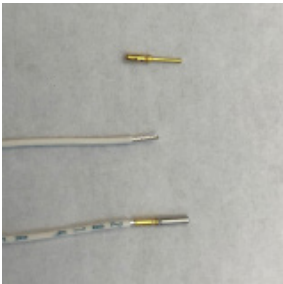
| Contact Size | Wire Size | Insulation O.D | Stripping Length "A" |
|--------------|-----------|----------------|----------------------|
| 8            | 8-10 AWG  | .124-.155 in   | .470 in              |
| 12           | 12-14 AWG | .097-.142 in   | .188 in              |
| 16           | 16-20 AWG | .065-.109 in   | .188 in              |
| 20           | 20-24 AWG | .040-.083 in   | .188 in              |
| 22D          | 22-28 AWG | .030-.055 in   | .125 in              |

Crimp Tool Setup

- 1. Select proper crimp tool and positioner based on contact size from the tables.
- 2. Assemble positioner on crimp tool and turn to lock it in place.
- 3. Use instructions on the positioner to set the dial on the crimp tool.

Crimp Wire To Contacts

- 1. Place the wire into the contact. All wire strands should be in crimp barrel and wire must be visible through inspection hole.
- 2. Place the contact fully into the crimp tool so the contact shoulder is against the crimp tool shoulder.
- 3. Squeeze the handles on the crimp tool together firmly until the ratchet disengages. The tool will not release until the crimp cycle is complete.
- 4. Check that the wire is still visible through the inspection hole in the contact.



Step One



Step One



Step Three



Step Four

Wire Preparation

Strip wire to length shown in chart. Do not cut or nick wire strands. Twist wire strands back to form a firm bundle

| Contact Size | Wire Size | Insulation O.D | Stripping Length "A" |
|--------------|-----------|----------------|----------------------|
| 22D          | 22-28 AWG | .030-.055 in   | .118-.157 in         |

Crimp Tool

Part Number: 10-745003-22D or DMC GMT220







72 Cherry Hill Dr. | Beverly, MA.  
[www.amphenolpcd.com](http://www.amphenolpcd.com)