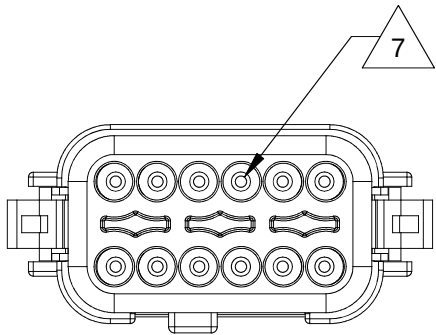
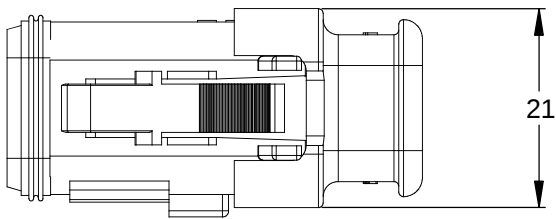
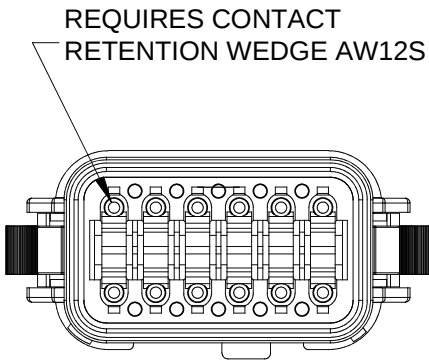
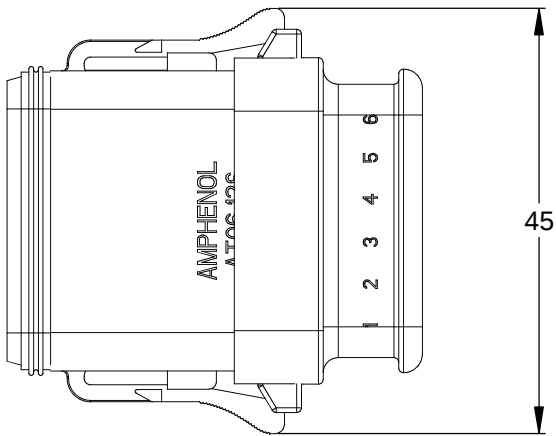


| REVISIONS |     |                        |         |     |      |
|-----------|-----|------------------------|---------|-----|------|
| REV       | ECO | DESCRIPTION            | DATE    | BY  | APPR |
| A3        | -   | RELEASE NEW DWG FORMAT | 11DEC13 | DRP |      |



NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER

3. MODIFICATIONS: STRAIN RELIEF END CAP

4. SPECIFICATIONS:  
4.1 CURRENT RATING: 13 AMPS  
4.2 OPERATING TEMPERATURE: -55°C TO +125°C  
4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.  
4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.  
4.5 MOISTURE RESISTANCE: IP67 ( MATED CONDITION )  
4.6 MATING CYCLE DURABILITY: 100 CYCLES  
4.7 RoHS COMPLIANT

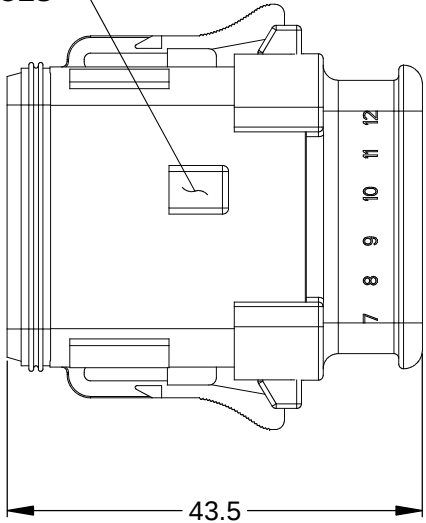
5. MATING PART: AT04-12PX\* RECEPTACLE  
( X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS )

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

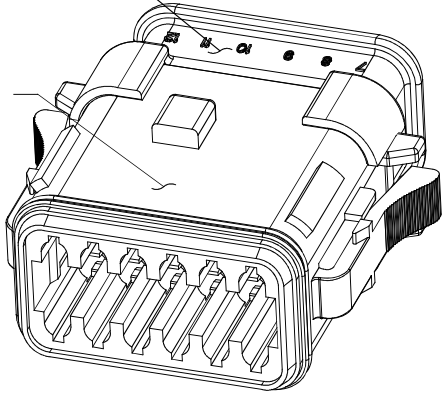
| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.   | TYPICAL WIRE RANGE |
|--------------|-------------------|-------------------|--------------------|
| 16           | 2.24 mm (.088 in) | 3.68 mm (.145 in) | 14 - 20 AWG        |

1  
KEYED 3 PLACES



STRAIN RELIEF END CAP -  
BLACK - ALL CONNECTORS

1 REFER TO SHEET 2 FOR AVAILABLE  
CONNECTOR HOUSING COLORS



|                                                                                                                                                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEE SHEET 2                                                                                                                                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                                                                                                                        |
| PART NUMBER                                                                                                                                                                                                                                                         |                | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                                                                                                                        |
| QUANTITY                                                                                                                                                                                                                                                            | MATERIALS LIST |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                                                                                                                        |
| <div>UNLESS OTHERWISE SPECIFIED</div> <div>1) All dimensions are in metric(mm).</div> <div>2) Tolerances are as follows:</div> <div>1 PL DEC ±0.30</div> <div>2 PL DEC ±0.15</div> <div>3 PL DEC ±0.08</div> <div>3) Note reference = <div><div>X</div></div></div> |                | <div>SIGNATURES</div> <div>DRAWN: D.PARKS</div> <div>CHECKED:</div> <div>ENGINEER:</div> <div>APPROVAL:</div> <div>CUSTOMER:</div> <div>THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.</div> | <div>DATE</div> <div>11DEC13</div> | <div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a></div> <div>44724 Morley Drive</div> <div>Clinton Township, MI 48036</div> <div>PLUG, 12 SOCKET, AT SERIES, KEYED, STRAIN RELIEF END CAP</div> |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                                                                                                                        |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                                                                                                                        |
| NEXT ASS'Y:                                                                                                                                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                                                                                                                        |
| SIZE                                                                                                                                                                                                                                                                | TYPE           | DWG NO:                                                                                                                                                                                                                                                                                                                                                                                                            | REVISION                           |                                                                                                                                                                                                                                                        |
| B                                                                                                                                                                                                                                                                   | C-             | AT06-12SX-SRXXX                                                                                                                                                                                                                                                                                                                                                                                                    | A3                                 |                                                                                                                                                                                                                                                        |
| SCALE: NONE                                                                                                                                                                                                                                                         |                | SHEET 1 OF 2                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                                                                                                                        |

TITLE: PLUG,12 SOCKET,AT SERIES,KEYED,STRAIN RELIEF END CAP

DWG NO:

AT06-12SX-SRXXX

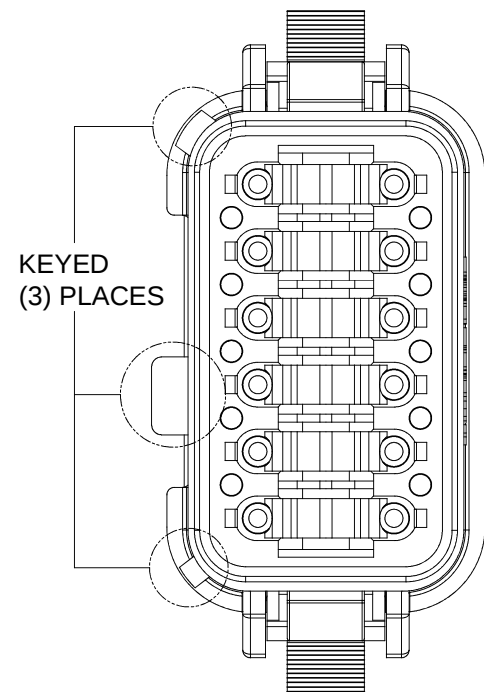
REV: A3

SH: 1

OF: 2

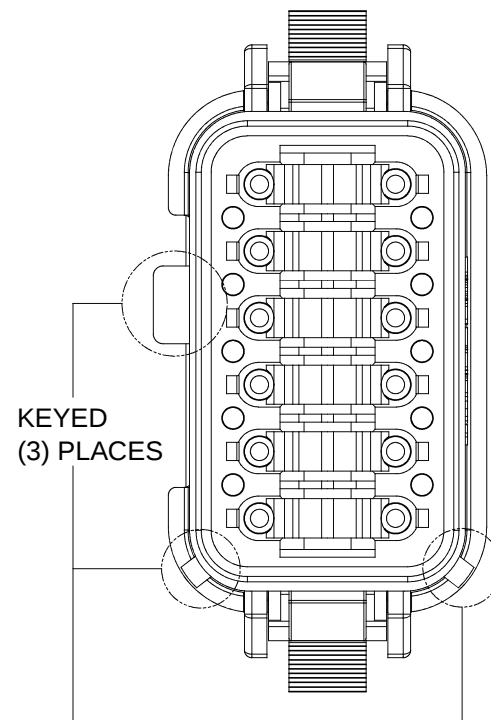
| REVISIONS |     |             |      |    |      |
|-----------|-----|-------------|------|----|------|
| REV       | ECO | DESCRIPTION | DATE | BY | APPR |

P/N AT06-12SA-SRGRY  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



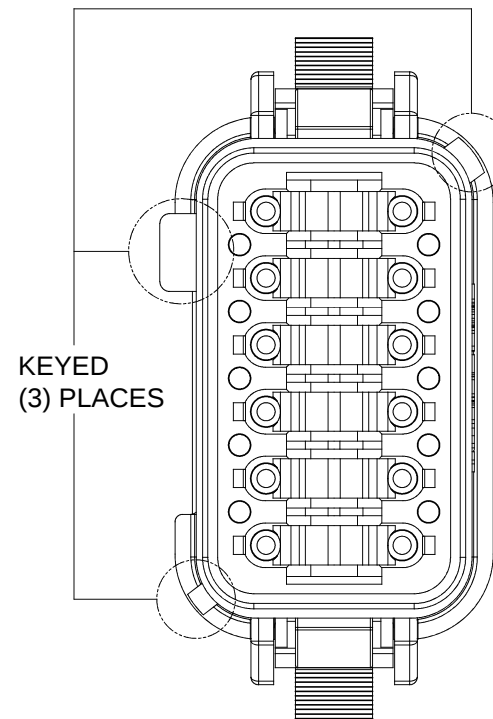
| KEY-A CONFIGURATION |                        |
|---------------------|------------------------|
| COLOR               | PART NUMBER            |
| <b>*GREY</b>        | <b>AT06-12SA-SRGRY</b> |
| BLACK               | AT06-12SA-SRBK         |
| GREEN               | AT06-12SA-SRGN         |
| BROWN               | AT06-12SA-SRBR         |

P/N AT06-12SB-SRBK  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



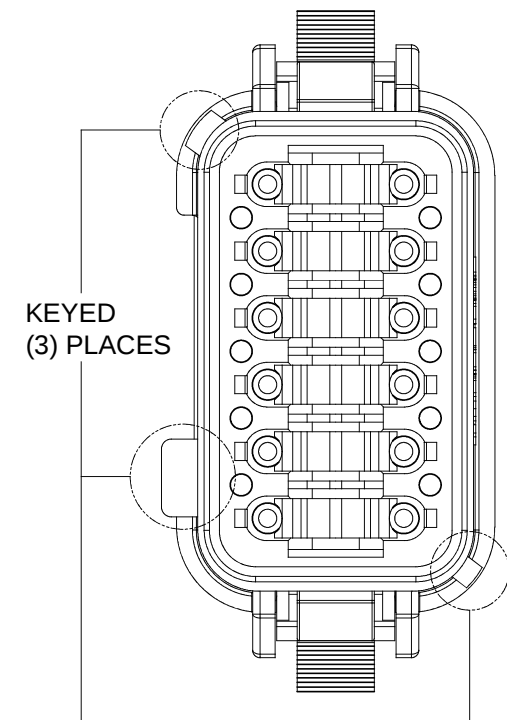
| KEY-B CONFIGURATION |                       |
|---------------------|-----------------------|
| COLOR               | PART NUMBER           |
| GREY                | AT06-12SB-SRGRY       |
| <b>*BLACK</b>       | <b>AT06-12SB-SRBK</b> |
| GREEN               | AT06-12SB-SRGN        |
| BROWN               | AT06-12SB-SRBR        |

P/N AT06-12SC-SRGN  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN



| KEY-C CONFIGURATION |                       |
|---------------------|-----------------------|
| COLOR               | PART NUMBER           |
| GREY                | AT06-12SC-SRGRY       |
| BLACK               | AT06-12SC-SRBK        |
| <b>* GREEN</b>      | <b>AT06-12SC-SRGN</b> |
| BROWN               | AT06-12SC-SRBR        |

P/N AT06-12SD-SRBR  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



| KEY-D CONFIGURATION |                       |
|---------------------|-----------------------|
| COLOR               | PART NUMBER           |
| GREY                | AT06-12SD-SRGRY       |
| BLACK               | AT06-12SD-SRBK        |
| GREEN               | AT06-12SD-SRGN        |
| <b>*BROWN</b>       | <b>AT06-12SD-SRBR</b> |

NOTE:

AN ASTERISKS ( \* ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE. STRAIN RELIEF END CAPS ARE AVAILABLE IN BLACK ONLY.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

|                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                      |  |                                                                         |  |                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                        |  | PART NUMBER                                                                                                                                                                                                                                                          |  | DESCRIPTION                                                             |  | ITEM                                                                                                                                                                                             |  |
| QUANTITY                                                                                                                                                                                                                                                                                                                               |  | MATERIALS LIST                                                                                                                                                                                                                                                       |  |                                                                         |  |                                                                                                                                                                                                  |  |
| UNLESS OTHERWISE SPECIFIED:<br>1) All dimensions are in metric(mm).<br>2) Tolerances are as follows:<br>1 PL DEC $\pm 0.30$<br>2 PL DEC $\pm 0.15$<br>3 PL DEC $\pm 0.08$<br>Fractions $\pm 1/64$<br>Angles $\pm 1^\circ$<br>3) Note reference =  |  | SIGNATURES                                                                                                                                                                                                                                                           |  | DATE                                                                    |  | <div>Amphenol</div> <hr/> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a><br/>           44724 Morley Drive<br/>           Clinton Township, MI 48036</div> |  |
|                                                                                                                                                                                                                                                                                                                                        |  | DRAWN: D.PARKS                                                                                                                                                                                                                                                       |  | 11DEC13                                                                 |  |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                        |  | CHECKED:                                                                                                                                                                                                                                                             |  |                                                                         |  |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                        |  | ENGINEER:                                                                                                                                                                                                                                                            |  |                                                                         |  |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                        |  | APPROVAL:                                                                                                                                                                                                                                                            |  |                                                                         |  |                                                                                                                                                                                                  |  |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                                                                                               |  | CUSTOMER:                                                                                                                                                                                                                                                            |  | <div>PLUG, 12 SOCKET, AT SERIES,<br/>KEYED, STRAIN RELIEF END CAP</div> |  |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                        |  | THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. |  |                                                                         |  |                                                                                                                                                                                                  |  |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                                                                                                |  | SIZE                                                                                                                                                                                                                                                                 |  | TYPE                                                                    |  | DWG NO:                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                        |  | B                                                                                                                                                                                                                                                                    |  | C-                                                                      |  | AT06-12SX-SRXXX                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                      |  |                                                                         |  | REVISION                                                                                                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                      |  |                                                                         |  | A3                                                                                                                                                                                               |  |
| NEXT ASS'Y:                                                                                                                                                                                                                                                                                                                            |  | SCALE: NONE                                                                                                                                                                                                                                                          |  | SHEET 2 OF 2                                                            |  |                                                                                                                                                                                                  |  |

TITLE: PILING 12 SOCKET AT SERIES KEYED STRAIN BELIEF END CAP

DWG NO: AT06-12SY-SPYXX

REV: A3

SH: 7

OF: 2

# A Series™ - Contact Size 16 Options (Works with: AT, ATV, AHD-9, ARC, DuraMate and PanelMate Series)

| Machined Contacts, Sockets & Pins |                                        |      |       |          |
|-----------------------------------|----------------------------------------|------|-------|----------|
| Part Number                       | Description                            | Size | AWG   | Type     |
| AT60-215-1631                     | Male Contact - Pin, Gold-plated        | 16   | 14    | Machined |
| AT62-209-1631                     | Female Contact - Socket, Gold-plated   | 16   | 14    | Machined |
| AT60-215-16141                    | Male Contact - Pin, Nickel-plated      | 16   | 14    | Machined |
| AT62-209-16141                    | Female Contact - Socket, Nickel-plated | 16   | 14    | Machined |
| AT60-202-1631                     | Male Contact - Pin, Gold-plated        | 16   | 16-20 | Machined |
| AT62-201-1631                     | Female Contact - Socket, Gold-plated   | 16   | 16-20 | Machined |
| AT60-202-16141                    | Male Contact - Pin, Nickel-plated      | 16   | 16-20 | Machined |
| AT62-201-16141                    | Female Contact - Socket, Nickel-plated | 16   | 16-20 | Machined |
| AT60-202-1631-22                  | Male Contact - Pin, Gold-plated        | 16   | 22-24 | Machined |
| AT62-201-1631-22                  | Female Contact - Socket, Gold-plated   | 16   | 22-24 | Machined |
| AT60-202-16141-22                 | Male Contact - Pin, Nickel-plated      | 16   | 22-24 | Machined |
| AT62-201-16141-22                 | Female Contact - Socket, Nickel-plated | 16   | 22-24 | Machined |

| Tooling - Machined Contacts |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Part Number                 | Description                                                   |
| AUTK-16                     | Hand Crimp Tool, Size 16                                      |
| AUTK-100                    | Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20 |
| CA-5D12                     | Universal Hand Crimp Tool, Size 12/16/20                      |
| CA-5E12                     | Pneumatic Crimp Tool, Size 12/16/20                           |

| Contact Removal Tools (For both Machined or Stamped & Formed Contacts) |                                        |
|------------------------------------------------------------------------|----------------------------------------|
| Part Number                                                            | Description                            |
| ATRT-100                                                               | Contact and Wedgelock Extraction Tool  |
| AT11-310-1605                                                          | Contact Removal Tool, Plastic, Size 16 |

| Sealing Plugs (For both Machined or Stamped & Formed Contacts) |                                                 |
|----------------------------------------------------------------|-------------------------------------------------|
| Part Number                                                    | Description                                     |
| A114017                                                        | Sealing Plug, Size 16, White                    |
| A114017-SR                                                     | Sealing Plug, Size 16, SR01 Series, Black       |
| AT13-217-1605                                                  | Locking Sealing Plug, Size 16, Grey             |
| AT13-217-1605-SR                                               | Locking Sealing Plug, Size 16, SR01 Series, Red |

| Stamped & Formed Contacts, Sockets & Pins |                                        |      |       |                  |
|-------------------------------------------|----------------------------------------|------|-------|------------------|
| Part Number                               | Description                            | Size | AWG   | Type             |
| AT60-14-0122                              | Male Contact - Pin, Nickel-plated      | 16   | 14-18 | Stamped & Formed |
| AT62-14-0122                              | Female Contact - Socket, Nickel-plated | 16   | 14-18 | Stamped & Formed |
| AT60-14-0144                              | Male Contact - Pin, Gold-plated        | 16   | 14-18 | Stamped & Formed |
| AT62-14-0144                              | Female Contact - Socket, Gold-plated   | 16   | 14-18 | Stamped & Formed |
| AT60-16-0122                              | Male Contact - Pin, Nickel-plated      | 16   | 16-18 | Stamped & Formed |
| AT62-16-0122                              | Female Contact - Socket, Nickel-plated | 16   | 16-18 | Stamped & Formed |
| AT60-16-0144                              | Male Contact - Pin, Gold-plated        | 16   | 16-18 | Stamped & Formed |
| AT62-16-0144                              | Female Contact - Socket, Gold-plated   | 16   | 16-18 | Stamped & Formed |
| AT60-16-0622                              | Male Contact - Pin, Nickel-plated      | 16   | 16-20 | Stamped & Formed |
| AT62-16-0622                              | Female Contact - Socket, Nickel-plated | 16   | 16-20 | Stamped & Formed |
| AT60-16-0644                              | Male Contact - Pin, Gold-plated        | 16   | 16-20 | Stamped & Formed |
| AT62-16-0644                              | Female Contact - Socket, Gold-plated   | 16   | 16-20 | Stamped & Formed |
| AT60-16-0677                              | Male Contact - Pin, Tin-plated         | 16   | 16-20 | Stamped & Formed |
| AT62-16-0677                              | Female Contact - Socket, Tin-plated    | 16   | 16-20 | Stamped & Formed |
| AT60-16-0822                              | Male Contact - Pin, Nickel-plated      | 16   | 20-22 | Stamped & Formed |
| AT62-16-0822                              | Female Contact - Socket, Nickel-plated | 16   | 20-22 | Stamped & Formed |
| AT60-16-0844                              | Male Contact - Pin, Gold-plated        | 16   | 20-22 | Stamped & Formed |
| AT62-16-0844                              | Female Contact - Socket, Gold-plated   | 16   | 20-22 | Stamped & Formed |

| Tooling - Stamped & Formed Contacts |                                     |
|-------------------------------------|-------------------------------------|
| MF3-3950                            | Crimp Die - Size 16, 18-20AWG       |
| MF3-3953                            | Crimp Die - Size 16, 16-18AWG       |
| MF3-3975                            | Crimp Die - Size 16, 14-16AWG       |
| MF3-3990                            | Crimp Die - Size 16, 20-22AWG       |
| ATT-16-00                           | Hand Crimp Tool - Size 16, 14-16AWG |
| ATT-16-01                           | Hand Crimp Tool - Size 16, 18-20AWG |
| ATT-1612-03                         | Hand Crimp Tool - Size 16, 20-22AWG |