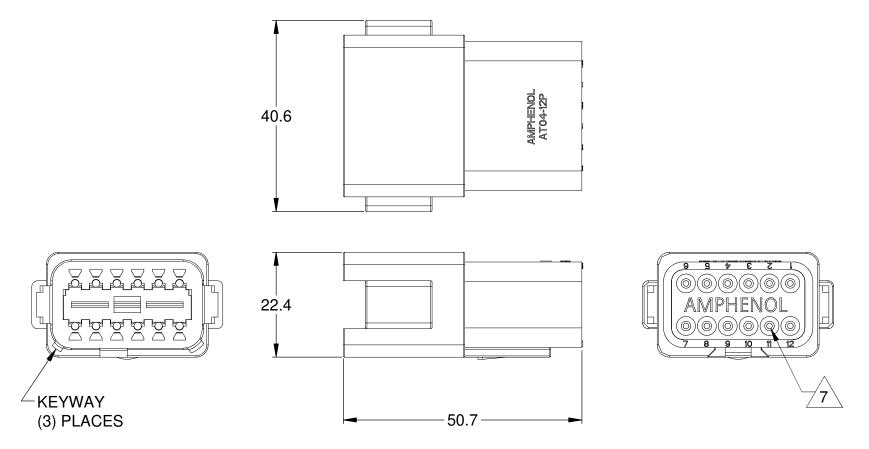
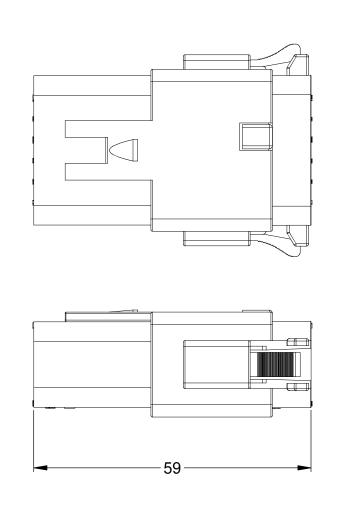


KEYED (3) PLACES



REFERENCE DIMENSIONS - ASSEMBLED RECEPTACLE



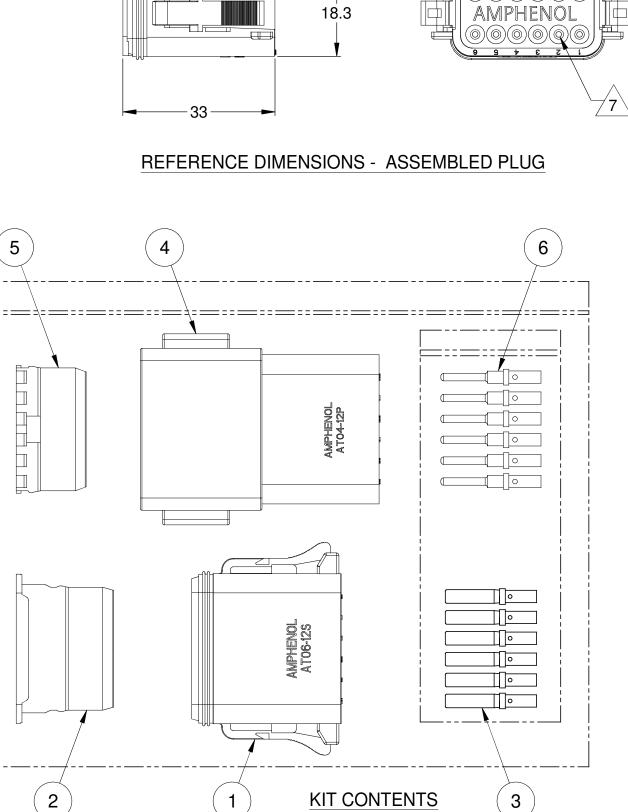
ASSEMBLED PLUG AND RECEPTACLE

## NOTES: UNLESS OTHERWISE SPECIFIED

- 1. MATERIAL:
- HOUSING: THERMOPLASTIC; COLOR: GREY WEDGELOCK: THERMOPLASTIC; COLOR: GREEN SEALS: SILICONE RUBBER CONTACTS: COPPER ALLOY; NICKEL PLATED
- 2. SPECIFICATIONS:
  - 2.1 CURRENT RATING: 13 AMPS
  - 2.2 OPERATING TEMPERATURE: -55°C TO +125°C
  - 2.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - 2.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C. 2.5 CONTACT MILLIVOLT DROP: 60 MILLIVOLT DROP
  - 2.5 CONTACT MILLIVOLT DROP: 60 MILLIVOLT DROP @ 13 AMP TEST CURRENT.
  - 2.6 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
    2.7 CONNECTOR MATING CYCLE DURABILITY: 100 CYCLES

- 3. AVAILABLE HAND CRIMPER: CA-5D12
- 4. ALL COMPONENTS ARE RoHS COMPLIANT.
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- 6 WIRE RANGE OF CONTACTS INCLUDED IN KIT: 16 20 AWG
- 7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT | MIN. INSUL.          | MAX. INSUL.          | TYPICAL    |
|---------|----------------------|----------------------|------------|
| SIZE    | O.D.                 | O.D.                 | WIRE RANGE |
| 16      | 2.24 mm<br>(.088 in) | 3.68 mm<br>(.145 in) |            |



45.6

|  |  | $\smile$   |   |  |   |  |   |  |
|--|--|--|---|--|---|--|---|--|
|  |  |  |   |  |   |  |   |  |
| 12   | AT60-202-16141   |  | C   | CONTACT, PIN, SOLID, SIZE 16, 16-20 AWG  |   |  |   | 6  |
| 1  | AW12P  |  | F   | P-WEDGELOCK, 12 POSITION, AT SERIES  |   |  |   | 5  |
| 1 AT04-12PA<br>12 AT62-201-16141<br>1 AW12S  |  |  | F   | RECEPTACLE, 12 PIN, AT SERIES  |   |  |   | 4  |
|  |  |  | C   | CONTACT, SOCKET, SOLID, SIZE 16, 16-20 AWG   |   |  |   | 3  |
|  |  |  | S   | S-WEDGELOCK, 12 POSITION, AT SERIES  |   |  |   | 2  |
| 1  | AT06-12SA  |  |   | PLUG, 12 SOCKET, AT SERIES   |   |  |   | 1  |
| QUANTITY   | PART N   | UMBER DESCRIPTION  |   |  |   | ITEM   |   |  |
|  |  |  | MAT   | TERIALS LIST   |   |  |   |  |
| 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.15 3 PL DEC ±0.15 3 PL DEC ±0.15 4 Angles ±1°  APPROVA  MATERIAL SPECIFICATIONS:  PROCESS SPECIFICATIONS:  THIS DRA SPECIFIC SHOWN IN THE AMPLO OF REPROPERS |  | SIGN   | SIGNATURES DATE   |  | 1 A mahanal   |  |   |  |
|  |  | D.PARKS 30SEP13  |   | Amphenoi   |   |  |   |  |
|  |  | CHECKED:   |   |  | Sine Systems - www.amphenol-sine.com  |  |   |  |
|  |  | ENGINEER: APPROVAL:  |   | 44724 Morley Drive   |   |  |   |  |
|  |  |  |   | Clinton Township, MI 48036   |   |  |   |  |
|  |  | CUSTOMER:  |   | KIT, AT SERIES, 12 POS. PLUG, RECEPTACLE,  |   |  |   |  |
|  |  | 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. |   | CONTACTS, AND WEDGELOCKS   |   |  |   |  |
|  |  |  |   | SIZE TYPE  | DWG NO:   |  | REVISION  |  |
|  |  |  |   | ON. NO RIGHTS<br>LIED. ALL   | $\mid C \mid C - \mid$  | AT12PS-C   | KII   | A  |
|  |  |  |   | SCALE: NONE  | 5   | SHEET 1 OF   | 1   |  |
|  | 1 1 12 1 1 1 QUANTITY  UNLESS OTHER: 1) All dimensions a 22 Ptolerances are a 1 PL DEC ±0.30 2 Pt DEC ±0.15 3 Pt DEC ±0.05 3) Note reference  MATERIAL SPECIFICA | 1 AW12P 1 AT04-12PA 12 AT62-201- 1 AW12S 1 AT06-12SA QUANTITY PART N  UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3) Note reference =  X  MATERIAL SPECIFICATIONS:                   | 1 AW12P 1 AT04-12PA 12 AT62-201-16141 1 AW12S 1 AT06-12SA  QUANTITY PART NUMBEF  UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.30 3 PL DEC ±0.15   Fractions ±1/64 Angles ±1° 3 PL DEC ±0.30   Fractions ±1/64 Angles ±1° 3 PL DEC ±0.30   Fractions ±1/64 Angles ±1° 4 PROVAL:  MATERIAL SPECIFICATIONS:  CUSTOMER: THIS DRAWIN INFORMATION SPECIFICATION | 1 AW12P 1 AT04-12PA 12 AT62-201-16141 1 AW12S 1 AT06-12SA  QUANTITY PART NUMBER  UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30   Fractions ±1/64 Angles ±1° 3) Note reference =   MATERIAL SPECIFICATIONS:  PROCESS SPECIFICATIONS:  SIGNATURES DRAWN: D.PARKS CHECKED:  ENGINEER:  APPROVAL:  CUSTOMER:  THIS DRAWING IS SUPPLIED INFORMATION ONLY. DESIGN SPECIFICATIONS AND PERFE SHOWN HEREON ARE THE PERFE SHOWN HEREON H | 1 AW12P P-WEDG 1 AT04-12PA RECEPT. 12 AT62-201-16141 CONTAC 1 AW12S S-WEDG 1 AT06-12SA PLUG, 12  QUANTITY PART NUMBER  UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 Fractions ±1/64 Angles ±1° 3) Note reference = X  MATERIAL SPECIFICATIONS:  PROCESS SPECIFICATIONS:  PROCESS SPECIFICATIONS:  PROCESS SPECIFICATIONS:  PROCESS SPECIFICATIONS:  PROCESS SPECIFICATIONS:  PROCESS SPECIFICATIONS:  DPARKS 30SEP13  CUSTOMER:  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 NORMALL | 1 AW12P 1 AT04-12PA 1 AT04-12PA 1 RECEPTACLE, 12 PI 12 AT62-201-16141 CONTACT, SOCKET 1 AW12S 1 AT06-12SA PLUG, 12 SOCKET, A  QUANTITY PART NUMBER  DE  WATERIALS LI  UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.30 3) Note reference =   MATERIAL SPECIFICATIONS:  SIGNATURES DATE DRAWN: DPARKS DPARKS SINSEP: APPROVAL:  CUSTOMER:  INFORMATION ONLY. DESIGN FEATURES. SPECIFICATIONS AND PERFORMANCE DATA SHOWN REPROVANCE TO FEATURES. SPECIFICATIONS AND PERFORMANCE DATA SPECIFICATIONS A | 1 AW12P 1 AT04-12PA 1 AT04-12PA 1 RECEPTACLE, 12 PIN, AT SERIES 12 AT62-201-16141 1 CONTACT, SOCKET, SOLID, SIZE 16, 16 1 AW12S 1 AT06-12SA 1 PLUG, 12 SOCKET, AT SERIES 1 AT06-12SA 1 PLUG, 12 SOCKET, AT SERIES 1 DESCRIPTION  MATERIALS LIST  UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC \$0.30 2 PL DEC \$0.30 3 PL DEC \$0.08 3) Note reference =   MATERIAL SPECIFICATIONS:  CUSTOMER:  CUSTOMER:  PROCESS SPECIFICATIONS:  CHECKED:  THE DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE INFLIED, ALL DIMENSIONS ARE INFLIED. ALL DIME | 1 AW12P P-WEDGELOCK, 12 POSITION, AT SERIES  1 AT04-12PA RECEPTACLE, 12 PIN, AT SERIES  12 AT62-201-16141 CONTACT, SOCKET, SOLID, SIZE 16, 16-20 AWG  1 AW12S S-WEDGELOCK, 12 POSITION, AT SERIES  1 AT06-12SA PLUG, 12 SOCKET, AT SERIES  QUANTITY PART NUMBER DESCRIPTION  MATERIALS LIST  UNLESS OTHERWISE SPECIFIED  1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 3) Note reference = X  MATERIAL SPECIFICATIONS:  PROCESS SPECIFICATIONS:  PROCESS SPECIFICATIONS:  CUSTOMER:  THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHEOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO MORMAL.  DESCRIPTION  KIT, AT SERIES, 12 POS. PLUG, RECEPTA CONTACTS, AND WEDGELOCKS  TYPE  AT12PS-CKIT  DOWN NO.  AT12PS-CKIT |