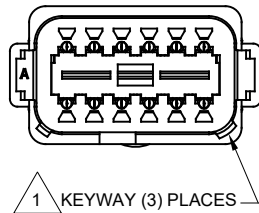
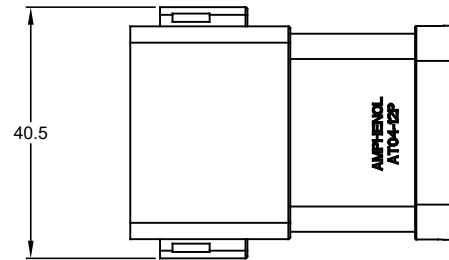
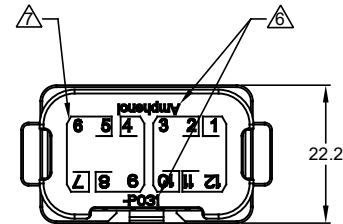
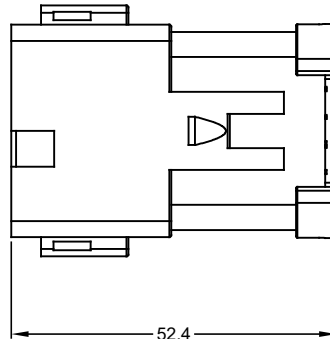
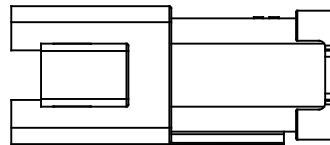


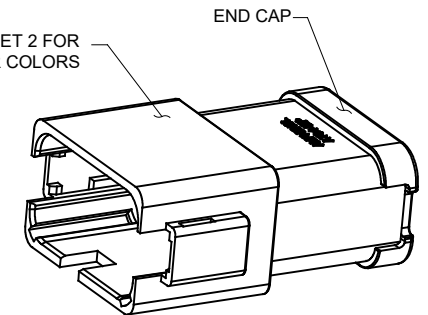
| REVISIONS | | | | | |
|-----------|-----|---------------------|---------|--------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE NEW DRAWING | 11APR18 | ROOKIE | TOMMY |



1 KEYWAY (3) PLACES



1 REFER TO SHEET 2 FOR AVAILABLE CONNECTOR COLORS



NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER
CONTACT: COPPER ALLOY

3. MODIFICATIONS: 4 PIECES OF 3 PIN BUSBAR WITH GOLD PLATED

4. SPECIFICATIONS:
4.1 CURRENT RATING: 13 AMPS MAXIMUM FOR THE 3 PIN BUSBAR
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 MEGOHM MIN @ 25°C.
4.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION).
4.6 MATING CYCLE DURABILITY: 100 CYCLES
4.7 RoHS COMPLIANT

5. MATING PART: AT06-12SX* PLUG
(X=A,B,C,D KEYS * = AVAILABLE MODIFICATIONS)

6. ORIENTATION OF "Amphenol" AND "-P031" TO BE OPTIONAL

7. BORDERS SIGNIFY THAT EACH GROUP OF PINS (PINS 1,11,12 , PINS 2,3,10, PINS 4,8,9 AND PINS 5,6,7) ARE BUSSED TOGETHER WITH A 3 PIN BUSBAR

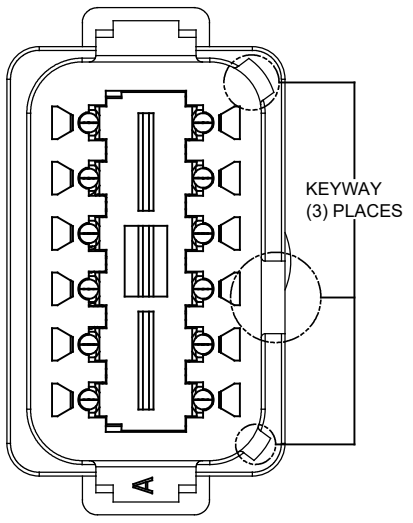
8. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| SEE SHEET 2 | | PART NUMBER | | DESCRIPTION | | ITEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|--|--|---|--|------|----------|----------------|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|----------------------------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|------------|--|------|--|---|--|--|---------------|--|---------|--|----------------|--|---------|--|-----------|--|--|--|-----------------|--|---------|--|--|--|--|--------------------------|--|-----------|--|--|--|--|-------------------------|--|--|--|---------------------|--|--|------------|--|--|--|---------------------|--|--|
| <table border="1"> <thead> <tr> <th>QUANTITY</th> <th colspan="6">MATERIALS LIST</th> </tr> </thead> <tbody> <tr> <td colspan="7">UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td colspan="7">1) All dimensions are in metric(mm).</td> </tr> <tr> <td colspan="7">2) Tolerances are as follows:</td> </tr> <tr> <td colspan="7">1 PL DEC ±0.30 Fractions ±1/64</td> </tr> <tr> <td colspan="7">2 PL DEC ±0.15</td> </tr> <tr> <td colspan="7">3 PL DEC ±0.08</td> </tr> <tr> <td colspan="7">3) Note reference = 1</td> </tr> <tr> <td colspan="2">SIGNATURES</td> <td colspan="2">DATE</td> <td colspan="3" rowspan="4"> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> </td> </tr> <tr> <td colspan="2">DRAWN: ROOKIE</td> <td colspan="2">11APR18</td> </tr> <tr> <td colspan="2">CHECKED: ORION</td> <td colspan="2">11APR18</td> </tr> <tr> <td colspan="2">ENGINEER:</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">APPROVAL: TOMMY</td> <td colspan="2">11APR18</td> <td colspan="3"> <p>AT 12WAY RECEPTACLE (4)3 PIN BUSBAR-GOLD PLATED</p> </td> </tr> <tr> <td colspan="2">MATERIAL SPECIFICATIONS:</td> <td colspan="2">CUSTOMER:</td> <td colspan="3"> <p>SIZE: B C- TYPE: AT04-12PX-P031 SCALE: NONE</p> </td> </tr> <tr> <td colspan="2">PROCESS SPECIFICATIONS:</td> <td colspan="2">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.</td> <td colspan="3"> <p>REVISION: A1</p> </td> </tr> <tr> <td colspan="2">NEXT ASSY:</td> <td colspan="2"></td> <td colspan="3"> <p>SHEET 1 OF 2</p> </td> </tr> </tbody> </table> | | | | | | | QUANTITY | MATERIALS LIST | | | | | | UNLESS OTHERWISE SPECIFIED | | | | | | | 1) All dimensions are in metric(mm). | | | | | | | 2) Tolerances are as follows: | | | | | | | 1 PL DEC ±0.30 Fractions ±1/64 | | | | | | | 2 PL DEC ±0.15 | | | | | | | 3 PL DEC ±0.08 | | | | | | | 3) Note reference = 1 | | | | | | | SIGNATURES | | DATE | | <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> | | | DRAWN: ROOKIE | | 11APR18 | | CHECKED: ORION | | 11APR18 | | ENGINEER: | | | | APPROVAL: TOMMY | | 11APR18 | | <p>AT 12WAY RECEPTACLE (4)3 PIN BUSBAR-GOLD PLATED</p> | | | MATERIAL SPECIFICATIONS: | | CUSTOMER: | | <p>SIZE: B C- TYPE: AT04-12PX-P031 SCALE: NONE</p> | | | PROCESS SPECIFICATIONS: | | 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. | | <p>REVISION: A1</p> | | | NEXT ASSY: | | | | <p>SHEET 1 OF 2</p> | | |
| QUANTITY | MATERIALS LIST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UNLESS OTHERWISE SPECIFIED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1) All dimensions are in metric(mm). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2) Tolerances are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 PL DEC ±0.30 Fractions ±1/64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 PL DEC ±0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 PL DEC ±0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3) Note reference = 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURES | | DATE | | <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN: ROOKIE | | 11APR18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHECKED: ORION | | 11APR18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEER: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVAL: TOMMY | | 11APR18 | | <p>AT 12WAY RECEPTACLE (4)3 PIN BUSBAR-GOLD PLATED</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATERIAL SPECIFICATIONS: | | CUSTOMER: | | <p>SIZE: B C- TYPE: AT04-12PX-P031 SCALE: NONE</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROCESS SPECIFICATIONS: | | 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. | | <p>REVISION: A1</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NEXT ASSY: | | | | <p>SHEET 1 OF 2</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

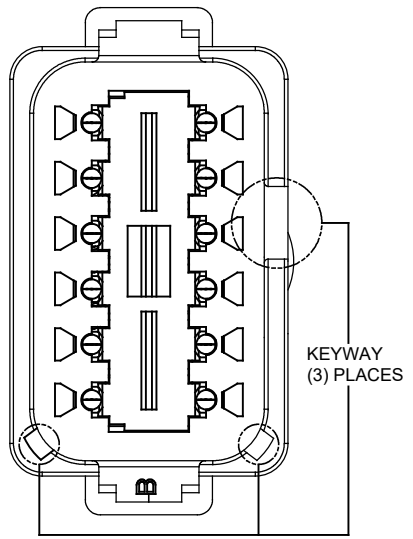
TITLE: AT 12WAY RECEPTACLE (4)3 PIN BUSBAR-GOLD PLATED
DWG NO: AT04-12PX-P031
REV: A1
SH: 1
OF: 2

| REVISIONS | | | | | |
|-----------|-----|---------------------|---------|--------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE NEW DRAWING | 11APR18 | ROOKIE | TOMMY |

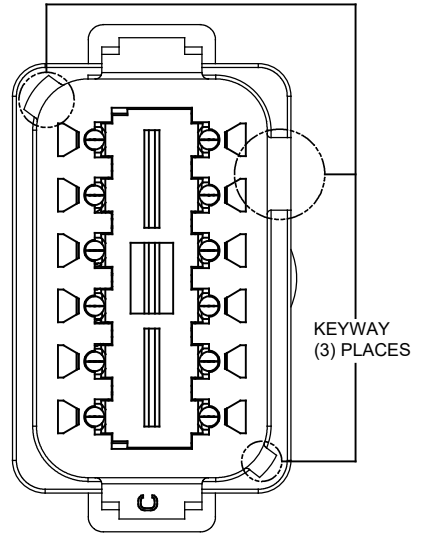
P/N AT04-12PA-P031
KEY-A CONFIGURATION
STANDARD COLOR: GREY



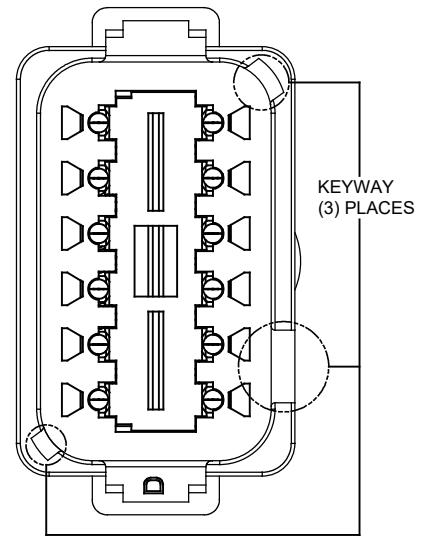
P/N AT04-12PB-P031
KEY-B CONFIGURATION
STANDARD COLOR: BLACK



P/N AT04-12PC-P031
KEY-C CONFIGURATION
STANDARD COLOR: GREEN



P/N AT04-12PD-P031
KEY-D CONFIGURATION
STANDARD COLOR: BROWN



TITLE: AT12WAY RECEPTACLE (4)3 PIN BUSBAR-GOLD PLATED
DWG NO.: AT04-12PX-P031
REV: A1
SH: 2
OF: 2

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM | | | | | | | | | | | | |
|---|-------------|--|--------------|------------|---------|---------------|---------|----------------|----------------|-----------|-------|-----------------|---------|--------------|--|
| MATERIALS LIST | | | | | | | | | | | | | | | |
| <small>UNLESS OTHERWISE SPECIFIED</small> 1) All dimensions are in metric (mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 Fractions ±1/64 2 PL DEC ±0.15 Angles ±1° 3 PL DEC ±0.08 3) Note reference = | | <table border="1"> <thead> <tr> <th>SIGNATURES</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN: ROOKIE</td> <td>11APR18</td> </tr> <tr> <td>CHECKED: ORION</td> <td>11APR18</td> </tr> <tr> <td>ENGINEER:</td> <td></td> </tr> <tr> <td>APPROVAL: TOMMY</td> <td>11APR18</td> </tr> <tr> <td>CUSTOMER:</td> <td></td> </tr> </tbody> </table> | | SIGNATURES | DATE | DRAWN: ROOKIE | 11APR18 | CHECKED: ORION | 11APR18 | ENGINEER: | | APPROVAL: TOMMY | 11APR18 | CUSTOMER: | |
| SIGNATURES | DATE | | | | | | | | | | | | | | |
| DRAWN: ROOKIE | 11APR18 | | | | | | | | | | | | | | |
| CHECKED: ORION | 11APR18 | | | | | | | | | | | | | | |
| ENGINEER: | | | | | | | | | | | | | | | |
| APPROVAL: TOMMY | 11APR18 | | | | | | | | | | | | | | |
| CUSTOMER: | | | | | | | | | | | | | | | |
| MATERIAL SPECIFICATIONS: | | <div style="text-align: center;"> <h1>Amphenol</h1> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> <p>AT 12WAY RECEPTACLE (4)3 PIN BUSBAR-GOLD PLATED</p> </div> | | | | | | | | | | | | | |
| PROCESS SPECIFICATIONS: | | | | | | | | | | | | | | | |
| NEXT ASSY: | | <table border="1"> <tr> <td>SIZE</td> <td>TYPE</td> <td>DWG NO.</td> <td>REVISION</td> </tr> <tr> <td>B</td> <td>C-</td> <td>AT04-12PX-P031</td> <td>A1</td> </tr> <tr> <td>SCALE</td> <td colspan="2">NONE</td> <td>SHEET 2 OF 2</td> </tr> </table> | SIZE | TYPE | DWG NO. | REVISION | B | C- | AT04-12PX-P031 | A1 | SCALE | NONE | | SHEET 2 OF 2 | |
| SIZE | TYPE | DWG NO. | REVISION | | | | | | | | | | | | |
| B | C- | AT04-12PX-P031 | A1 | | | | | | | | | | | | |
| SCALE | NONE | | SHEET 2 OF 2 | | | | | | | | | | | | |