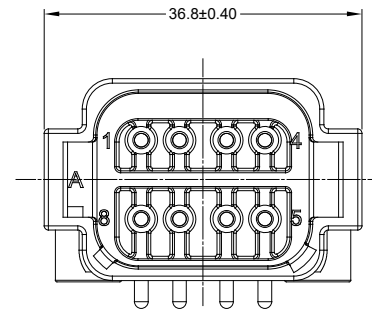
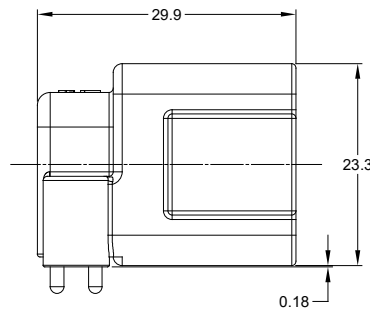
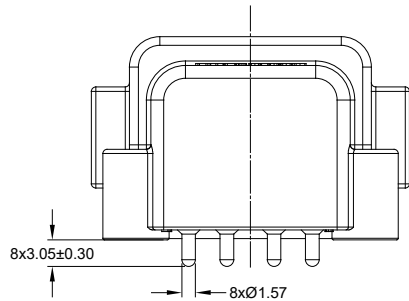
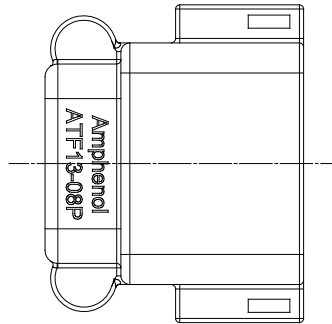
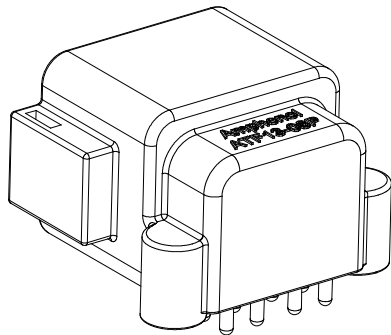


| REVISIONS |     |                      |           |       |       |
|-----------|-----|----------------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION          | DATE      | BY    | APPR  |
| A1        | -   | RELEASE              | 2JUL2018  | JAH   |       |
| A2        | -   | UPDATE DRAWING       | 18/MAR/19 | BROOK | TOMMY |
| A3        | -   | MODIFIED DESCRIPTION | 12JUL19   | BROOK | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

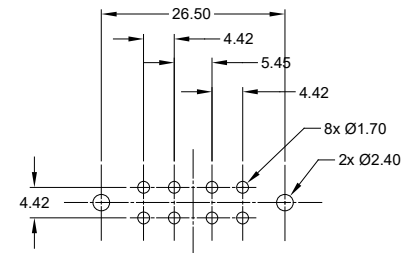
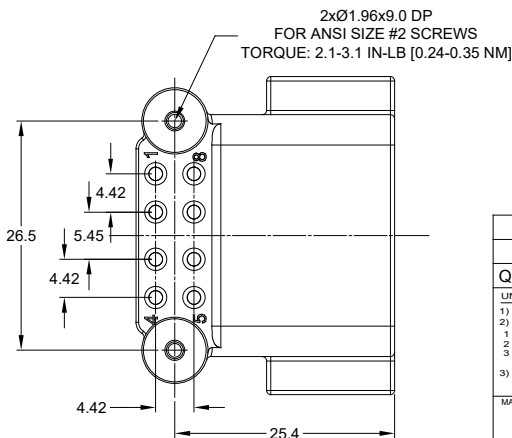
2. MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR: SEE SHEET 2  
CONTACT: COPPER ALLOY  
PLATING: NICKEL UNDERPLATE  
SEE CHART FOR OVERALL FINISH

3. MODIFICATIONS: RIGHT ANGLE PCB MOUNT, SCREW BOSS

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: AT06-08SX\* PLUG  
( X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS )

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



RECOMMENDED PCB LAYOUT

|                                                                                                           |                |                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                             |           |
|-----------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| SEE PART NUMBER CHART                                                                                     |                | DESCRIPTION                                                                                                                                                                                                                                                          |                | ITEM                                                                                                                                                                                                                                        |           |
| PART NUMBER                                                                                               |                |                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                             |           |
| QUANTITY                                                                                                  | MATERIALS LIST |                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                             |           |
| UNLESS OTHERWISE SPECIFIED                                                                                |                | SIGNATURES                                                                                                                                                                                                                                                           | DATE           | <div>Amphenol</div> <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> <div>RIGHT ANGLE RECEPTACLE, AT 8 PIN,<br/>SCREW BOSS, BOARDLOCK</div> |           |
| 1) All dimensions are in metric (mm).                                                                     |                | DRAWN:                                                                                                                                                                                                                                                               | BROOKDING      |                                                                                                                                                                                                                                             | 12/JUL/19 |
| 2) Tolerances are as follows:                                                                             |                | CHECKED:                                                                                                                                                                                                                                                             | ORIONLI        |                                                                                                                                                                                                                                             | 12/JUL/19 |
| 1 PL DEC ±0.30 Fractions ±1/64                                                                            |                | ENGINEER:                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                             |           |
| 2 PL DEC ±0.15 Angles ±1°                                                                                 |                | APPROVAL:                                                                                                                                                                                                                                                            | TOMMY.XIE      |                                                                                                                                                                                                                                             | 12/JUL/19 |
| 3 PL DEC ±0.08                                                                                            |                | CUSTOMER:                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                             |           |
| 3) Note reference =  |                | 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. |                |                                                                                                                                                                                                                                             |           |
| MATERIAL SPECIFICATIONS:                                                                                  |                |                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                             |           |
| PROCESS SPECIFICATIONS:                                                                                   |                |                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                             |           |
| NEXT ASSY:                                                                                                |                |                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                             |           |
|                                                                                                           |                | SIZE: TYPE                                                                                                                                                                                                                                                           | DWG NO:        |                                                                                                                                                                                                                                             | REVISION  |
|                                                                                                           |                | B C-                                                                                                                                                                                                                                                                 | ATF13-8PX-BM1X | A3                                                                                                                                                                                                                                          |           |
|                                                                                                           |                | SCALE: NONE                                                                                                                                                                                                                                                          | SHEET 1 OF 2   |                                                                                                                                                                                                                                             |           |

TITLE: RIGHT ANGLE RECEPT, AT 8 PIN, SCREW BOSS,BOARDLOCK

DWG NO:

ATF13-8PX-BM1X

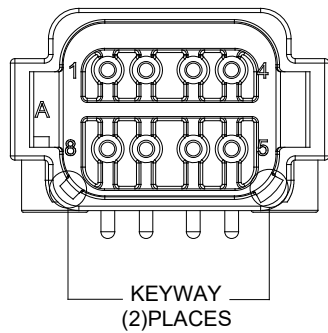
REV: A3

SH: 1

OF: 2

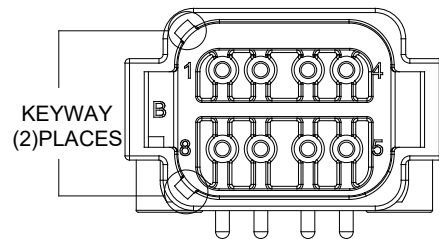
| REVISIONS |     |                      |           |       |       |
|-----------|-----|----------------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION          | DATE      | BY    | APPR  |
| A1        | -   | RELEASE              | 2JUL2018  | JAH   |       |
| A2        | -   | UPDATE DRAWING       | 18/MAR/19 | BROOK | TOMMY |
| A3        | -   | MODIFIED DESCRIPTION | 12JUL19   | BROOK | TOMMY |

P/N ATF13-08PA-BM1X  
KEY-A CONFIGURATION  
COLOR: GREY



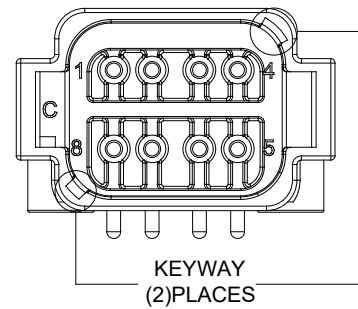
| ATF13-08PA-BM1X VARIANTS |                 |
|--------------------------|-----------------|
| CONTACT PLATING          | PART NUMBER     |
| GOLD                     | ATF13-08PA-BM11 |
| TIN                      | ATF13-08PA-BM13 |

P/N ATF13-08PB-BM1X  
KEY-B CONFIGURATION  
COLOR: BLACK



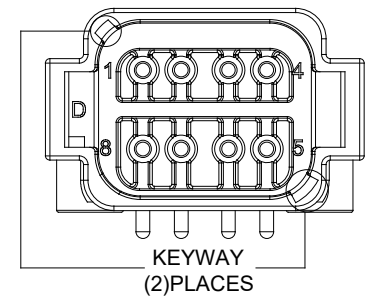
| ATF13-08PB-BM1X VARIANTS |                 |
|--------------------------|-----------------|
| CONTACT PLATING          | PART NUMBER     |
| GOLD                     | ATF13-08PB-BM11 |
| TIN                      | ATF13-08PB-BM13 |

P/N ATF13-08PC-BM1X  
KEY-C CONFIGURATION  
COLOR: GREEN



| ATF13-08PC-BM1X VARIANTS |                 |
|--------------------------|-----------------|
| CONTACT PLATING          | PART NUMBER     |
| GOLD                     | ATF13-08PC-BM11 |
| TIN                      | ATF13-08PC-BM13 |

P/N ATF13-08PD-BM1X  
KEY-D CONFIGURATION  
COLOR: BROWN



| ATF13-08PD-BM1X VARIANTS |                 |
|--------------------------|-----------------|
| CONTACT PLATING          | PART NUMBER     |
| GOLD                     | ATF13-08PD-BM11 |
| TIN                      | ATF13-08PD-BM13 |

|                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SEE PART NUMBER CHART                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 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>3) Note reference = |  | SIGNATURES      DATE<br>DRAWN: BROOKDING      12/JUL/19<br>CHECKED: ORIONLI      12/JUL/19<br>ENGINEER:<br>APPROVAL: TOMMY.XIE      12/JUL/19<br>CUSTOMER:<br>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. |  |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                         |  | SIZE TYPE      DWG NO.      REVISION<br>B C-      ATF13-8PX-BM1X      A3                                                                                                                                                                                                                                                                                                                                                           |  |
| PROCESS SPECIFICATIONS:                                                                                                                                                                          |  | SCALE: NONE      SHEET 2 OF 2                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| NEXT ASSY:                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |

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