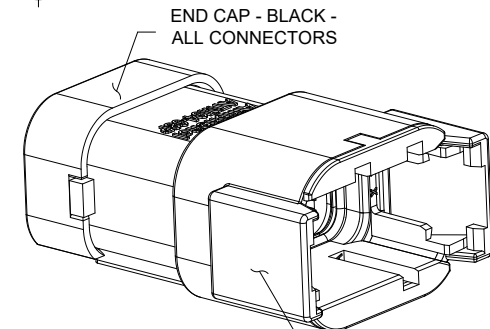
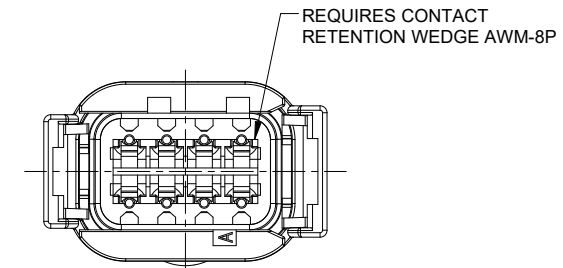
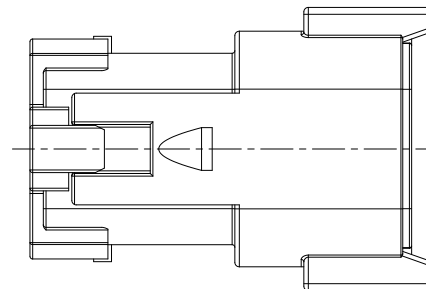
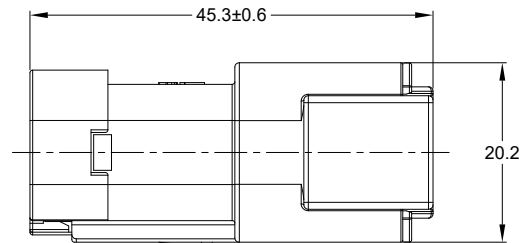
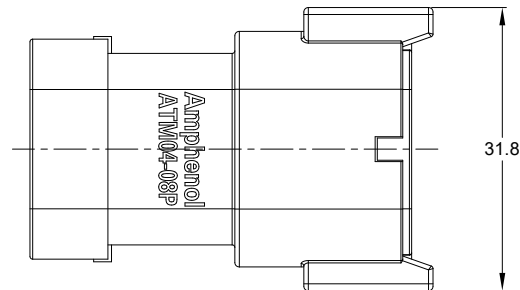
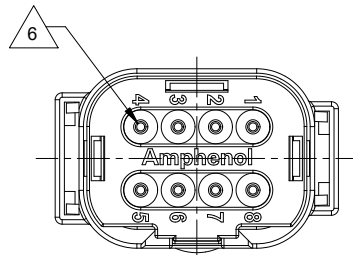


| REVISIONS |     |                 |           |       |       |
|-----------|-----|-----------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION     | DATE      | BY    | APPR  |
| A1        | --  | RELEASE DRAWING | 17/AUG/22 | LUCAS | TOMMY |



STANDARD MOLDED COLOR IS GREY.  
ADDITIONAL COLORS SHOWN IN PART NUMBER  
CHART ARE AVAILABLE VIA SPECIAL ORDER.

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR: SEE KEY CONFIGURATION  
SEAL RETAINER: THERMOPLASTIC; COLOR: SEE KEY CONFIGURATION  
END CAP: THERMOPLASTIC; COLOR: BLACK  
SEAL: SILICONE RUBBER; COLOR: RED
- MODIFICATIONS: SNAP FIT END CAP
- SPECIFICATIONS:  
3.1 CURRENT RATING: 7.5 AMPS  
3.2 OPERATING TEMPERATURE: -55°C TO +125°C  
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC  
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C  
3.5 MOISTURE RESISTANCE:  
IP68(IN OF WATER FOR A PERIOD OF 24 HOURS,MATED CONDITION)  
IP69K(MATED CONDITION)  
3.6 MATING CYCLE DURABILITY: 100 CYCLES  
3.7 RoHS COMPLIANT
- MATING PART: ATM06-08SX\* PLUG  
( X = A,B,C,D KEYS, \* = MODIFICATIONS AND COLORS )
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

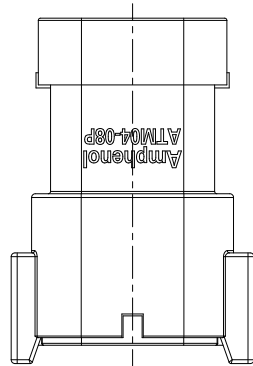
6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.   | TYPICAL WIRE RANGE           |
|--------------|-------------------|-------------------|------------------------------|
| 20           | 1.35 mm (.053 in) | 3.05 mm (.120 in) | 16 - 22 AWG (1.5 - 0.35 mm²) |

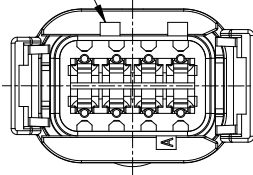
| SEE SHEET 2                                                                                                                                                                                                                                                                   |             | DESCRIPTION                                                                                                                                                                                                                                                                               |                                                        | ITEM                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| QUANTITY                                                                                                                                                                                                                                                                      | PART NUMBER | MATERIALS LIST                                                                                                                                                                                                                                                                            |                                                        |                                                                                                                 |
| <b>UNLESS OTHERWISE SPECIFIED</b><br>1) All dimensions are in metric(mm).<br>2) Tolerances are as follows:<br>1 PL DEC ±0.30<br>2 PL DEC ±0.15<br>3 PL DEC ±0.08<br>3) Note reference =  |             | <b>SIGNATURES</b><br>DRAWN: LUCAS,CHW<br>CHECKED: ORION,LI<br>ENGINEER:<br>APPROVAL: TOMMY,XIE<br>CUSTOMER:                                                                                                                                                                               | <b>DATE</b><br>17/AUG/22<br>18/AUG/22<br><br>19/AUG/22 | <b>Amphenol</b><br><br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036 |
| MATERIAL SPECIFICATIONS:<br><br>WEIGHT:14g                                                                                                                                                                                                                                    |             | 8 POS, RECEPTACLE, PIN, KEYED,<br>ATM SERIES, SNAP FIT                                                                                                                                                                                                                                    |                                                        |                                                                                                                 |
| PROCESS SPECIFICATIONS:<br><br>NEXT ASSY:                                                                                                                                                                                                                                     |             | THIS DRAWING IS SUPPLIED FOR<br>INFORMATION ONLY. DESIGN FEATURES,<br>SPECIFICATIONS AND PERFORMANCE DATA<br>SHOWN HEREON ARE THE PROPERTY OF<br>THE AMPHENOL CORPORATION. NO RIGHTS<br>OF REPRODUCTION ARE IMPLIED. ALL<br>DIMENSIONS ARE SUBJECT TO NORMAL<br>MANUFACTURING VARIATIONS. |                                                        |                                                                                                                 |
|                                                                                                                                                                                                                                                                               |             | <b>SIZE</b><br>B C-                                                                                                                                                                                                                                                                       | <b>TYPE</b><br>NONE                                    | <b>DWG NO.</b><br>ATM04-08PX-SF1XX<br><b>REVISION</b><br>A1                                                     |
|                                                                                                                                                                                                                                                                               |             | SHEET 1 OF 1                                                                                                                                                                                                                                                                              |                                                        |                                                                                                                 |

| REVISIONS |     |                 |           |       |       |
|-----------|-----|-----------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION     | DATE      | BY    | APPR  |
| A1        | --  | RELEASE DRAWING | 17/AUG/22 | LUCAS | TOMMY |

P/N ATM04-08PA-SF1GY  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY

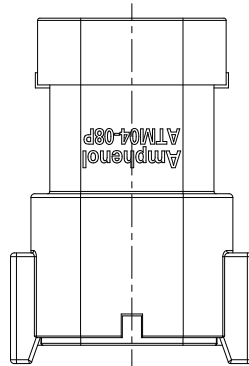


KEYWAY (3) PLACES

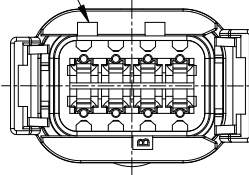


| KEY-A CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| <b>* GREY</b>       | <b>ATM04-08PA-SF1GY</b> |
| BLACK               | ATM04-08PA-SF1BK        |
| GREEN               | ATM04-08PA-SF1GN        |
| BROWN               | ATM04-08PA-SF1BN        |

P/N ATM04-08PB-SF1BK  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK

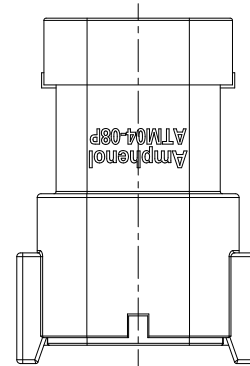


KEYWAY (3) PLACES

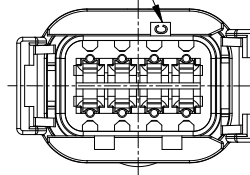


| KEY-B CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| GREY                | ATM04-08PB-SF1GY        |
| <b>* BLACK</b>      | <b>ATM04-08PB-SF1BK</b> |
| GREEN               | ATM04-08PB-SF1GN        |
| BROWN               | ATM04-08PB-SF1BN        |

P/N ATM04-08PC-SF1GN  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN

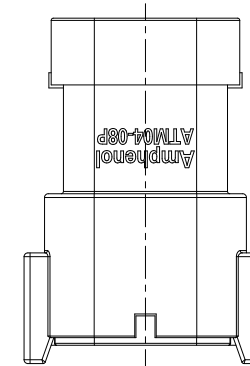


KEYWAY (3) PLACES

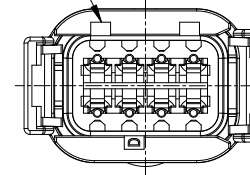


| KEY-C CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| GREY                | ATM04-08PC-SF1GY        |
| BLACK               | ATM04-08PC-SF1BK        |
| <b>* GREEN</b>      | <b>ATM04-08PC-SF1GN</b> |
| BROWN               | ATM04-08PC-SF1BN        |

P/N ATM04-08PD-SF1BN  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



KEYWAY (3) PLACES



| KEY-D CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| GREY                | ATM04-08PD-SF1GY        |
| BLACK               | ATM04-08PD-SF1BK        |
| GREEN               | ATM04-08PD-SF1GN        |
| <b>* BROWN</b>      | <b>ATM04-08PD-SF1BN</b> |

NOTE:

AN ASTERISKS ( \* ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

| QUANTITY                             | PART NUMBER | DESCRIPTION                                                                                                                                                                                                                                                          | ITEM       |
|--------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| MATERIALS LIST                       |             |                                                                                                                                                                                                                                                                      |            |
| UNLESS OTHERWISE SPECIFIED           |             | SIGNATURES                                                                                                                                                                                                                                                           |            |
| 1) All dimensions are in metric(mm). |             | DRAWN:                                                                                                                                                                                                                                                               | LUCAS.CHAI |
| 2) Tolerances are as follows:        |             | CHECKED:                                                                                                                                                                                                                                                             | ORION.LI   |
| 1 PL DEC ±0.30                       |             | ENGINEER:                                                                                                                                                                                                                                                            |            |
| 2 PL DEC ±0.15                       |             | APPROVAL:                                                                                                                                                                                                                                                            | TOMMY.XIE  |
| 3 PL DEC ±0.08                       |             | CUSTOMER:                                                                                                                                                                                                                                                            |            |
| 3) Note reference =                  |             | DATE                                                                                                                                                                                                                                                                 |            |
|                                      |             | 17/AUG/22                                                                                                                                                                                                                                                            |            |
|                                      |             | 18/AUG/22                                                                                                                                                                                                                                                            |            |
|                                      |             | 19/AUG/22                                                                                                                                                                                                                                                            |            |
| MATERIAL 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. |            |
| WEIGHT:14g                           |             | SIZE                                                                                                                                                                                                                                                                 |            |
| PROCESS SPECIFICATIONS:              |             | TYPE                                                                                                                                                                                                                                                                 |            |
| NEXT ASSY:                           |             | DWG NO:                                                                                                                                                                                                                                                              |            |
|                                      |             | SCALE                                                                                                                                                                                                                                                                |            |
|                                      |             | NONE                                                                                                                                                                                                                                                                 |            |
|                                      |             | SHEET                                                                                                                                                                                                                                                                |            |
|                                      |             | 2 OF 2                                                                                                                                                                                                                                                               |            |

**Amphenol**

Sine Systems - www.amphenol-sine.com  
44724 Morley Drive  
Clinton Township, MI 48036

8 POS, RECEPTACLE, PIN, KEYED,  
ATM SERIES, SNAP FIT

SIZE B C- DWG NO: ATM04-08PX-SF1XX REVISION A1