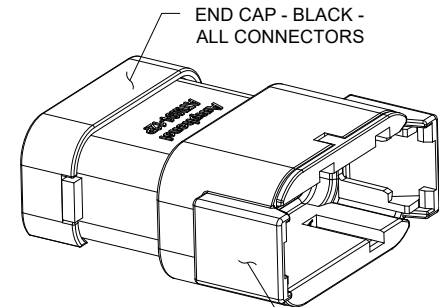
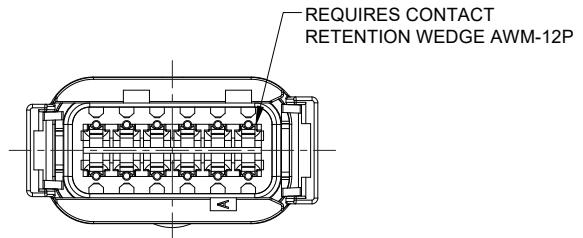
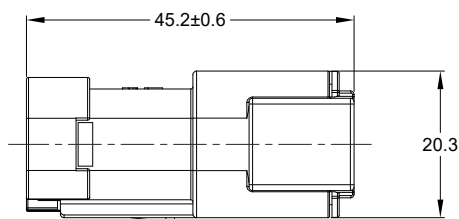
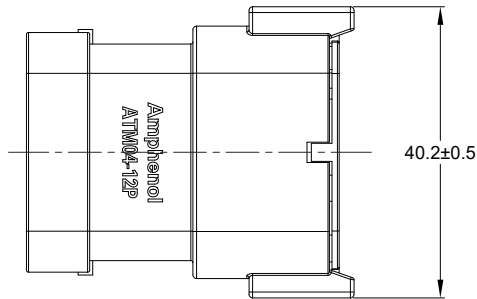
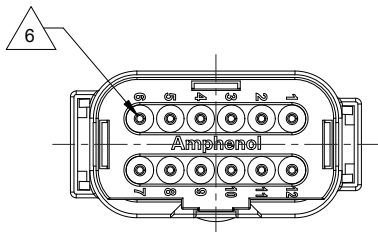


| REVISIONS |     |                 |           |      |       |
|-----------|-----|-----------------|-----------|------|-------|
| REV       | ECO | DESCRIPTION     | DATE      | BY   | APPR  |
| A1        |     | RELEASE DRAWING | 17/AUG/22 | VITO | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

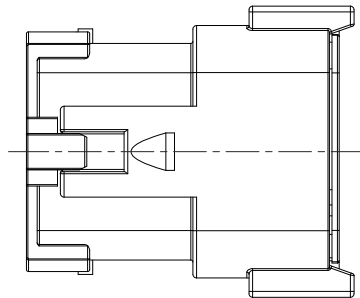
- MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR: SEE KEY CONFIGURATION  
SEAL RETAINER: THERMOPLASTIC; COLOR: SEE KEY CONFIGURATION  
END CAP: THERMOPLASTIC; COLOR: BLACK  
SEAL: SILICONE RUBBER; COLOR: RED
- MODIFICATIONS: SNAP FIT END CAP
- SPECIFICATIONS:  
3.1 CURRENT RATING: 7.5 AMPS  
3.2 OPERATING 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(IM 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: ATM06-12SX\* 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<br>(.053 in) | 3.05 mm<br>(.120 in) | 16 - 22 AWG<br>(1.5 - 0.35 mm <sup>2</sup> ) |



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

|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                              |  | SEE SHEET 2                                                                                                                                                                                                                                                                     |                      |                                                                                                                                                                                                  |  |
| QUANTITY                                                                                                                                                                                                                                                                                                                                                     |  | PART NUMBER                                                                                                                                                                                                                                                                     |                      | DESCRIPTION                                                                                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      | ITEM                                                                                                                                                                                             |  |
| 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 Fractions ±1/64</div> <div>2 PL DEC ±0.15 Angles ±1°</div> <div>3 PL DEC ±0.08</div> <div>3) Note reference = </div> |  | <div>SIGNATURES</div> <div>DATE</div>                                                                                                                                                                                                                                           |                      | <div>Amphenol</div> <div>Sine Systems - www.amphenol-sine.com</div> <div>44724 Morley Drive</div> <div>Clinton Township, MI 48036</div> <div>12 POS, RECEPTACLE, PIN, ATM SERIES, SNAP FIT</div> |  |
|                                                                                                                                                                                                                                                                                                                                                              |  | <div>DRAWN:</div> <div>VITOLJ</div>                                                                                                                                                                                                                                             | <div>17/AUG/22</div> |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  | <div>CHECKED:</div> <div>SULLENZWANG</div>                                                                                                                                                                                                                                      | <div>18/AUG/22</div> |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  | <div>ENGINEER:</div>                                                                                                                                                                                                                                                            |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  | <div>APPROVAL:</div> <div>TOMMY XIE</div>                                                                                                                                                                                                                                       | <div>19/AUG/22</div> |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  | <div>CUSTOMER:</div>                                                                                                                                                                                                                                                            |                      |                                                                                                                                                                                                  |  |
| <div>MATERIAL SPECIFICATIONS:</div> <div>WEIGHT: 19.2g</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>PROCESS SPECIFICATIONS:</div>                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
| <div>NEXT ASSY:</div>                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                 |                      |                                                                                                                                                                                                  |  |

TITLE: 12 POS, RECEPTACLE, PIN, KEYED, ATM SERIES, SNAP FIT

DWG NO:

ATM04-12PX-SF1XX

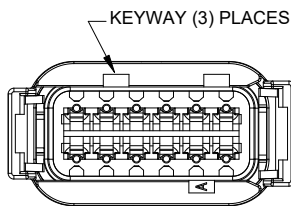
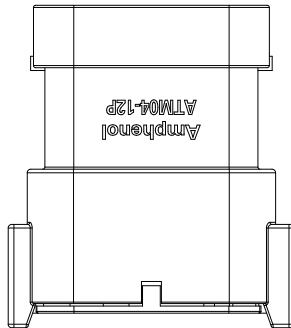
REV: A1

SH: 1

OF: 1

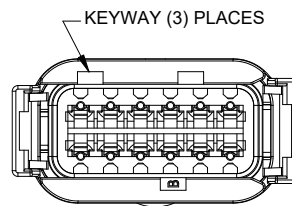
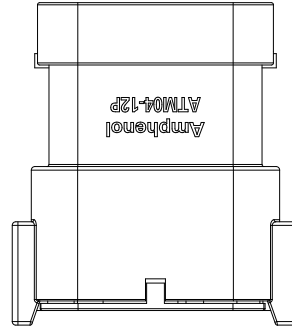
| REVISIONS |     |                 |           |      |       |
|-----------|-----|-----------------|-----------|------|-------|
| REV       | ECO | DESCRIPTION     | DATE      | BY   | APPR  |
| A1        |     | RELEASE DRAWING | 17/AUG/22 | VITO | TOMMY |

P/N ATM04-12PA-SF1GY  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



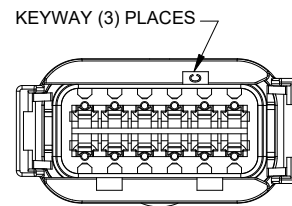
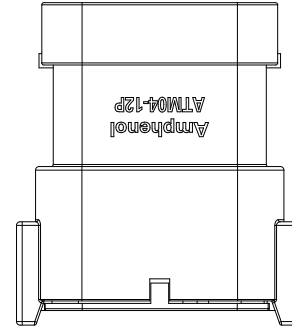
| KEY-A CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| <b>* GREY</b>       | <b>ATM04-12PA-SF1GY</b> |
| BLACK               | ATM04-12PA-SF1BK        |
| GREEN               | ATM04-12PA-SF1GN        |
| BROWN               | ATM04-12PA-SF1BN        |

P/N ATM04-12PB-SF1BK  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



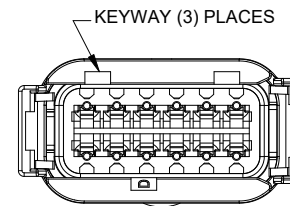
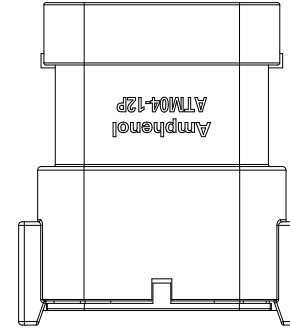
| KEY-B CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| GREY                | ATM04-12PA-SF1GY        |
| <b>* BLACK</b>      | <b>ATM04-12PB-SF1BK</b> |
| GREEN               | ATM04-12PA-SF1GN        |
| BROWN               | ATM04-12PA-SF1BN        |

P/N ATM04-12PC-SF1GN  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN



| KEY-C CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| GREY                | ATM04-12PC-SF1GY        |
| BLACK               | ATM04-12PC-SF1BK        |
| <b>* GREEN</b>      | <b>ATM04-12PC-SF1GN</b> |
| BROWN               | ATM04-12PC-SF1BN        |

P/N ATM04-12PD-SF1BN  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



| KEY-D CONFIGURATION |                         |
|---------------------|-------------------------|
| COLOR               | PART NUMBER             |
| GREY                | ATM04-12PD-SF1GY        |
| BLACK               | ATM04-12PD-SF1BK        |
| GREEN               | ATM04-12PD-SF1GN        |
| <b>* BROWN</b>      | <b>ATM04-12PD-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:                                                                                                                                                                                                                                                               | VITO        |
| 2) Tolerances are as follows:        |             | CHECKED:                                                                                                                                                                                                                                                             | SULLENZHANG |
| 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:19.2g                         |             | SCALE: NONE                                                                                                                                                                                                                                                          |             |
| PROCESS SPECIFICATIONS:              |             | SIZE                                                                                                                                                                                                                                                                 |             |
| NEXT ASSY:                           |             | B C-                                                                                                                                                                                                                                                                 |             |
|                                      |             | DWG NO: ATM04-12PX-SF1XX                                                                                                                                                                                                                                             |             |
|                                      |             | REVISION                                                                                                                                                                                                                                                             |             |
|                                      |             | A1                                                                                                                                                                                                                                                                   |             |

**Amphenol**

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

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

SHEET 1 OF 1

TITLE: 12POS, RECEPTACLE, PIN, KEYED, ATM SERIES, SNAP FIT  
DWG NO: ATM04-12PX-SF1XX  
REV: A1  
SH: 1  
OF: 1

## A Series™ - Contact Size 20 Options (Works with: ATM, DuraMate and PanelMate Series)

| Machined Contacts, Sockets & Pins |                                        |      |       |          |
|-----------------------------------|----------------------------------------|------|-------|----------|
| Part Number                       | Description                            | Size | AWG   | Type     |
| AT60-010-2031                     | Male Contact - Pin, Gold-plated        | 20   | 16-18 | Machined |
| AT62-005-20141                    | Female Contact - Socket, Gold-plated   | 20   | 16-18 | Machined |
| AT60-010-20141                    | Male Contact - Pin, Nickel-plated      | 20   | 16-18 | Machined |
| AT62-005-2031                     | Female Contact - Socket, Nickel-plated | 20   | 16-18 | Machined |
| AT60-202-2031                     | Male Contact - Pin, Gold-plated        | 20   | 20-22 | Machined |
| AT62-201-2031                     | Female Contact - Socket, Gold-plated   | 20   | 20-22 | Machined |
| AT60-202-20141                    | Male Contact - Pin, Nickel-plated      | 20   | 20-22 | Machined |
| AT62-201-20141                    | Female Contact - Socket, Nickel-plated | 20   | 20-22 | Machined |

| Tooling - Machined Contacts |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Part Number                 | Description                                                   |
| AUTK-20                     | Hand Crimp Tool, Size 20                                      |
| 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                           |

| Stamped & Formed Contacts, Sockets & Pins |                                        |      |       |                  |
|-------------------------------------------|----------------------------------------|------|-------|------------------|
| Part Number                               | Description                            | Size | AWG   | Type             |
| AT60-20-0144                              | Male Contact - Pin, Gold-plated        | 20   | 16-22 | Stamped & Formed |
| AT62-20-0144                              | Female Contact - Socket, Gold-plated   | 20   | 16-22 | Stamped & Formed |
| AT60-20-0244                              | Male Contact - Socket, Gold-plated     | 20   | 16-22 | Stamped & Formed |
| AT62-20-0244                              | Female Contact - Socket, Gold-plated   | 20   | 16-22 | Stamped & Formed |
| AT60-20-0122                              | Male Contact - Pin, Nickel-plated      | 20   | 16-22 | Stamped & Formed |
| AT62-20-0122                              | Female Contact - Socket, Nickel-plated | 20   | 16-22 | Stamped & Formed |
| AT60-20-0222                              | Male Contact - Socket, Nickel-plated   | 20   | 16-22 | Stamped & Formed |
| AT62-20-0222                              | Female Contact - Socket, Nickel-plated | 20   | 16-22 | Stamped & Formed |
| AT60-20-0277                              | Male Contact - Socket, Tin-plated      | 20   | 16-22 | Stamped & Formed |
| AT62-20-0277                              | Female Contact - Socket, Tin-plated    | 20   | 16-22 | Stamped & Formed |
| AT60-20-0422                              | Male Contact - Socket, Nickel-plated   | 20   | 20-22 | Stamped & Formed |
| AT62-20-0444                              | Female Contact - Socket, Gold-plated   | 20   | 20-22 | Stamped & Formed |

| Tooling - Stamped & Formed Contacts |                                             |
|-------------------------------------|---------------------------------------------|
| MF3-3974                            | Crimp Die - Size 20                         |
| MF3-3976                            | Crimp Die - Size 20 (20-22AWG -04XX Series) |
| MF3-3978                            | Crimp Die - Size 20 (20-22AWG -02XX Series) |
| ATT-20-00                           | Hand Crimp Tool - Size 20 (20AWG)           |

| Contact Removal Tools (For both Machined or Stamped & Formed Contacts) |                                        |
|------------------------------------------------------------------------|----------------------------------------|
| Part Number                                                            | Description                            |
| ATRT-100                                                               | Contact and Wedgelock Extraction Tool  |
| AT11-240-2005                                                          | Contact Removal Tool, Plastic, Size 20 |

| Sealing Plugs (For both Machined or Stamped & Formed Contacts) |                                                  |
|----------------------------------------------------------------|--------------------------------------------------|
| Part Number                                                    | Description                                      |
| AT13-204-2005                                                  | Sealing Plug, Size 20, White                     |
| AT13-204-2005-SR                                               | Sealing Plug, Size 20, SR01 Series, Black        |
| ATM13-217-2005                                                 | Locking Sealing Plug, Size 20, Grey              |
| ATM13-217-2005-SR                                              | Locking Sealing Plug, Size 20, SR01 Series, Blue |