

MATERIAL:

HOUSING: THERMOPLASTIC, BLACK INTERFACE SEAL: SILICONE RUBBER, RED GROMMET: SILICONE RUBBER, RED SEAL RETAINER: THERMOPLASTIC, BLACK TERMINAL POSITION ASSURANCE LOCK: THERMOPLASTIC, SEE KEYS ARRANGEMENTS FOR COLOR

- 2. MODIFICATIONS: N/A
- 3. SPECIFICATIONS:
 - 3.1 CURRENT RATING: 7.5 AMPS

NOTES: UNLESS OTHERWISE SPECIFIED

- 3.2 OPERATING TEMPERATURE: -55°C TO +150°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:

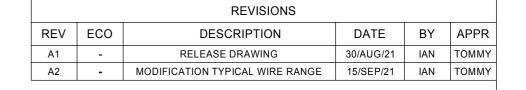
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);

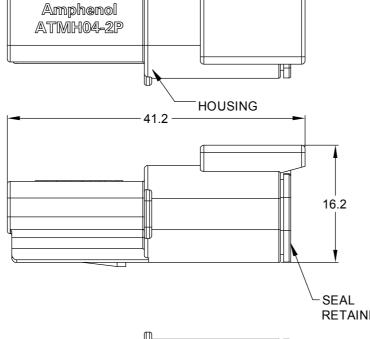
- IP69K(MATED CONDITION)
- 3.6 MATING CYCLE DURABILITY: 100 CYCLES
- 3.7 RoHS COMPLIANT
- 4. MATING PART: ATMH06-2SX (X = A,B,C,D KEYS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

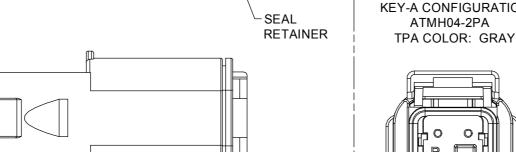
6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT | MIN. INSUL | MAX. INSUL | TYPICAL |
|---------|------------|------------|-------------------------------|
| SIZE | O.D. | O.D. | WIRE RANGE |
| 20 | 1.35 mm | 3.05 mm | 16 - 22 AWG |
| 20 | (.053 in) | (.120 in) | (1.5 - 0.35 mm ²) |

7. TERMINAL POSITION ASSURANCE (TPA) LOCK PRE-MOUNTED: $\overline{AWMH-2PX}$ (X = A,B,C,D KEYS)

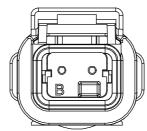


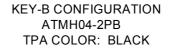


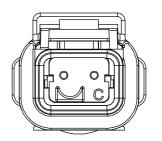




KEY-A CONFIGURATION ATMH04-2PA



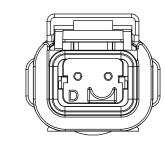




KEYS ARRANGEMENTS

KEY-C CONFIGURATION ATMH04-2PC TPA COLOR: GREEN

ATMH04-2PX(SEE KEYS ARRANGEMENTS)



KEY-D CONFIGURATION ATMH04-2PD TPA COLOR: BROWN

SHEET 1

REF:DTMH04-2PA、DTMH04-2PB、DTMH04-2PC、DTMH04-2PD

| QUANTITY | QUANTITY PART NUMBER | | DESCRIPTION | | | ITEM | | |
|---|-------------------------------|--|---|---|---|---------|-----------------------------|-------|
| MATERIALS LIST | | | | | | ST | | |
| UNLESS OTHER | WISE SPECIFIED | SIGN | ATURES | DATE | | | | |
| 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 Fractions +1/64 | | DRAWN: | IAN | 15/SEP/21 | | A | lmphenol | |
| 2 PL DEC ±0.15 3 PL DEC ±0.08 | Fractions ±1/64 Angles ±1° | CHECKED: | SULLEN | 15/SEP/21 | Sine Systems - www.amphenol-sine.com | | | |
| 3) Note reference = X | | ENGINEER: | | | 44724 Morley Drive Clinton Township, MI 48036 | | | |
| MATERIAL SPECIFICA | TIONS: | APPROVAL: | TOMMY | 16/SEP/21 | | | Cliftoff Township, MT 48036 | |
| MATERIAL OF EOII IDATIONO. | | CUSTOMER: | | 1 | 2 F | POS,RI | ECEPTACLE, PIN, ATMH SER | tIES, |
| | | | S IS SUPPLIED F | | 1 | | KEYED,BLACK COLOR | |
| PROCESS SPECIFICATIONS: | | SPECIFICATIO SHOWN HERE THE AMPHENO OF REPRODUC | NS AND PERFORM ARE THE PROPERTY OF CORPORATION ARE IMPL | PESIGN FEATURES, PERFORMANCE DATA THE PROPERTY OF ORATION. NO RIGHTS RE IMPLIED. ALL IFCT TO NORMAI | | C- | ATMH04-2PX | A2 |
| NEXT ASS'Y: | | MANUFACTURING VARIATIONS. | | SCALE: N | ONE | SHEET 1 | OF 1 | |

SCALE: NONE

2 POS, RECEPTACLE, PIN, ATMH SERIES, KEYED, BLACK COLOR DWG NO:

ATMH04-2PX

REV: న

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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 | Part Number Description | | | |
| AUTK-20 | AUTK-20 Hand Crimp Tool, Size 20 | | | |
| AUTK-100 | 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 | Туре | |
| 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 | | | | |
|--|--|--|--|--|
| MFX-3974 Crimp Die - Size 20 | | | | |
| MFX-3976 Crimp Die - Size 20 (20-22AWG -04XX Series) | | | | |
| MFX-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 | | | |