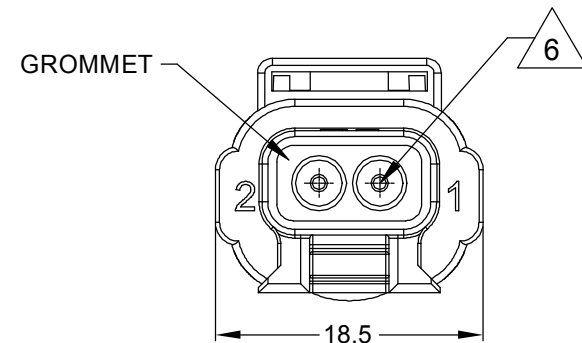




1. MATERIAL:
HOUSING: THERMOPLASTIC, BLACK
INTERFACE SEAL: SILICONE RUBBER, RED
GROMMET: SILICONE RUBBER, RED
SEAL RETAINER: THERMOPLASTIC, BLACK
TERMINAL POSITION ASSURANCE LOCK: THERMOPLASTIC,
SEE KEYS ARRANGEMENTS FOR COLOR

3. SPECIFICATIONS:
 - 3.1 CURRENT RATING: 7.5 AMPS
 - 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

6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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

Amphenol
ATMH04-2P

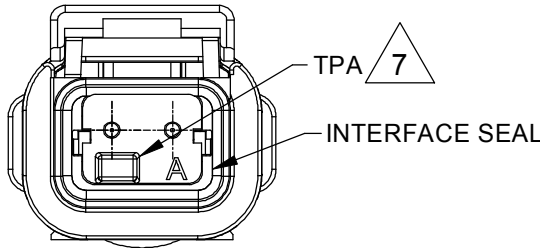
41.2

HOUSING

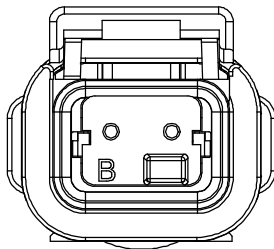
16.2

SEAL RETAINER

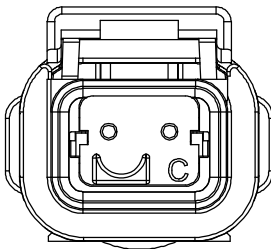
KEYS ARRANGEMENTS



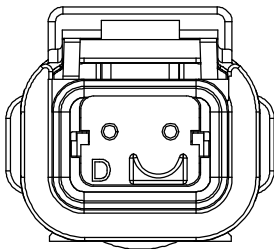
KEY-A CONFIGURATION
ATMH04-2PA
TPA COLOR: GRAY



KEY-B CONFIGURATION
ATMH04-2PB
TPA COLOR: BLACK



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



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

ATMH04-2PB(X)KEYS ARRANGEMENTS)		REF:DTMH04-2PA、DTMH04-2PB、DTMH04-2PC、DTMH04-2PD	
QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 Fractions ±1/64 Angles ±1° 3) Note reference = 		SIGNATURES DRAWN: IAN CHECKED: SULLEN ENGINEER: APPROVAL: TOMMY CUSTOMER: THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.	
MATERIAL SPECIFICATIONS:		DATE: 15/SEP/21 DATE: 15/SEP/21 DATE: 15/SEP/21 DATE: 15/SEP/21	
PROCESS SPECIFICATIONS:		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 2 POS,RECEPTACLE, PIN, ATMH SERIES, KEYED,BLACK COLOR	
NEXT ASSY:		SIZE: B TYPE: C- SCALE: NONE	DWG NO: ATMH04-2PX REVISION: A2
		SHEET 1	OF 1

ATM, DuraMate™ and PanelMate™ Series

Size 20 Contact & Tooling Options

Contacts - Machined

Part Number	Type	Style	Contact Size	Amp	Wire Range (AWG)	Wire Range (mm ²)	Insulation OD (mm)	Plating	Reel Size	Packaging
AT60-010-20141	Pin	Machined	Size 20	7.5A	16-18AWG	-	-	Nickel-Plated	-	-
AT60-010-2031	Pin	Machined	Size 20	7.5A	16-18AWG	-	-	Gold-Plated	-	-
AT60-202-20NKIT	Pin	Machined	Size 20	7.5A	18-22AWG	-	-	Nickel-Plated	-	-
AT60-202-20141	Pin	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT60-202-2031	Pin	Machined	Size 20	7.5A	20-22AWG	-	-	Gold-Plated	-	-
AT60-202-2031-22	Pin	Machined	Size 20	5A	22-26AWG	-	-	Gold-Plated	-	-
AT60-202-20141-22	Pin	Machined	Size 20	5A	22-26AWG	-	-	Nickel-Plated	-	-
AT62-005-20141	Socket	Machined	Size 20	7.5A	16-18AWG	-	-	Nickel-Plated	-	-
AT62-005-2031	Socket	Machined	Size 20	7.5A	16-18AWG	-	-	Gold-Plated	-	-
AT62-201-20NKIT	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT62-201-20141	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT62-201-2031	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Gold-Plated	-	-
AT62-20-0422	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Nickel-Plated	-	-
AT62-20-0444	Socket	Machined	Size 20	7.5A	20-22AWG	-	-	Gold-Plated	-	-
AT62-201-2031-22	Socket	Machined	Size 20	5A	22-26AWG	-	-	Gold-Plated	-	-
AT62-201-20141-22	Socket	Machined	Size 20	5A	22-26AWG	-	-	Nickel-Plated	-	-

Contacts - Stamped & Formed

AT60-20-0122	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Nickel-Plated	-	-
AT60-20-0122-LP	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Nickel-Plated	-	Loose Piece
AT60-20-0144	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Gold-Plated	-	-
AT60-20-0144-LP	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Gold-Plated	-	Loose Piece
AT60-20-0222	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.30 - 2.16mm	Nickel-Plated	-	-
AT60-20-0244	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.30 - 2.16mm	Gold-Plated	-	-
AT60-20-0277	Pin	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.30 - 2.16mm	Tin-Plated	-	-
AT60-20-0422	Pin	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm ²	1.25 - 1.8mm	Nickel-Plated	-	-
AT60-20-0444	Pin	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm ²	1.25 - 1.8mm	Gold-Plated	-	-
AT62-20-0122	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Nickel-Plated	-	-
AT62-20-0122-LP	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Nickel-Plated	-	Loose Piece
AT62-20-0144	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Gold-Plated	-	-
AT62-20-0144-LP	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.91 - 3.15mm	Gold-Plated	-	Loose Piece
AT62-20-0222	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.30 - 2.16mm	Nickel-Plated	-	-
AT62-20-0244	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.30 - 2.16mm	Gold-Plated	-	-
AT62-20-0277	Socket	S&F	Size 20	7.5A	16-22AWG	1.5-0.35mm ²	1.30 - 2.16mm	Tin-Plated	-	-
AT62-20-0422	Socket	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm ²	1.25 - 1.8mm	Nickel-Plated	-	-
AT62-20-0444	Socket	S&F	Size 20	7.5A	20-22AWG	0.5-0.35mm ²	1.25 - 1.8mm	Gold-Plated	-	-

ATM, DuraMate™ and PanelMate™ Series

Size 20 Contact & Tooling Options, cont.

Tooling

Part Number	Tool Name	Style	Contact Size	Wire Range (AWG)	Material	Color
AUTK-20	Hand Crimp Tool	Machined	Size 20	12-26AWG	-	-
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit	Machined	Size 12/16/20	12-26AWG	-	-
CA-5D12	Universal Hand Crimp Tool	Machined	Size 12/16/20	12-26AWG	-	-
CA-5E12	Pneumatic Crimp Tool	Machined	Size 12/16/20	12-26AWG	-	-
MF3-3974-G or K	Crimp Die Press Applicator	S&F	Size 20	20AWG	-	-
MF3-3976-G or K	Crimp Die Press Applicator	S&F	Size 20	20-22AWG	-	-
MF3-3978-G or K	Crimp Die Press Applicator	S&F	Size 20	20-22AWG	-	-
ATT-20-00	Hand Crimp Tool	S&F	Size 20	16-20AWG	-	-
ATRT-100	Contact and Wedgelock Extraction Tool	Universal	Universal	-	Steel	Silver
AT11-240-2005	Contact Extraction Tool	Universal	Size 20	-	Plastic	Red
AT13-204-2005	Seal Plug	Universal	Size 20	-	Thermoplastic	White
AT13-204-2005-SR	Seal Plug	Universal	Size 20	n/a	Thermoplastic	Black
ATM13-217-2005	Locking Seal Plug	Universal	Size 20	-	Thermoplastic	Grey
ATM13-217-2005-SR	Locking Seal Plug	Universal	Size 20	-	Thermoplastic	Blue