



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

- 2. MODIFICATIONS: N/A
- 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:

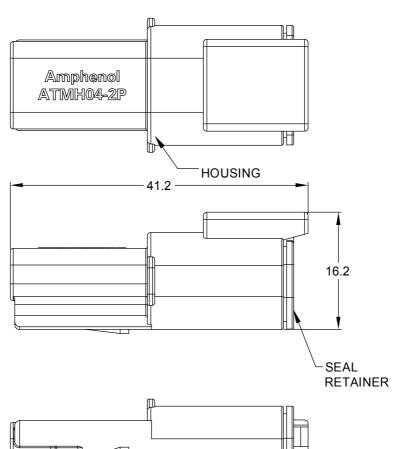
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);

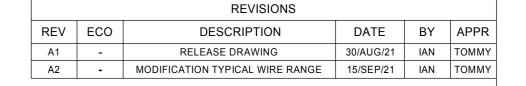
- IP69K(MATED CONDITION)
- 3.6 MATING CYCLE DURABILITY: 100 CYCLES
- 3.7 RoHS COMPLIANT
- 4. MATING PART: ATMH06-2SX (X = A,B,C,D KEYS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

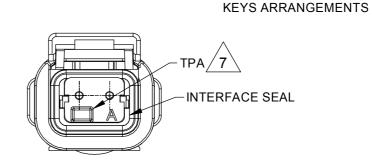
6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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

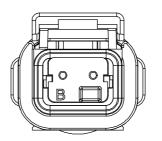
7. TERMINAL POSITION ASSURANCE (TPA) LOCK PRE-MOUNTED: $\overline{AWMH-2PX}$ (X = A,B,C,D KEYS)



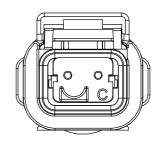




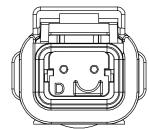
KEY-A CONFIGURATION ATMH04-2PA TPA COLOR: GRAY



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



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



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

ATMH04-2PX(SEE KEYS ARRANGEMENTS)			EMENTS)	REF:DTMH04-2PA、DTMH04-2PB、DTMH04-2PC、DTMH04-2PD				
QUANTITY PART NUMBER			1	DESCRIPTION			ITEM	
		ı	MAT	ERI	ALS LI	ST		
l 	WISE SPECIFIED	SIGN	IATURES	DATE	Amphonol			
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	Amphenol			
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:	SULLEN	15/SEP/21	Sine Systems - www.amphenol-sine.com			
3) Note reference = X MATERIAL SPECIFICATIONS:		ENGINEER:			44724 Morley Drive			
		APPROVAL:	TOMMY	16/SEP/21	Clinton Township, MI 48036			
		CUSTOMER:		2 POS,RECEPTACLE, PIN, ATMH SERIES				
		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES.			KEYED,BLACK COLOR			
PROCESS SPECIFICATIONS: NEXT ASS'Y:				B C-	ATMH04-		A2	
NEXT ASS'Y:		MANUFACTUR	KING VARIATION	8.	NONE		SHEET 1	of 1

REV: ⋧ SH:

2 POS, RECEPTACLE, PIN, ATMH SERIES, KEYED, BLACK COLOR

DWG NO:

ATMH04-2PX

ATM Series $^{\text{TM}}$ - Contact Size 20 Options

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 Part Number		Description		
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)		
550	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)		

Contact Removal Tools					
Part	Part Part Number Description				
-	ATRT-100	Used for removal of contacts for A Series™ products			
	AT11-240-2005	Contact Removal Tool, Plastic, Size 20			

Sealing Plugs				
Part	Part Number	Description		
~	AT13-204-2005	Sealing Plug, Size 20, White		
1	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		

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				
Part Part Number Description				
	MFX-3974	Crimp Die - Size 20 (S&F contacts only)		
	MFX-3976	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -04XX Series		
Mary .	MFX-3978	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -02XX Series		
*	АП-20-00	Hand Crimp Tool - Size 20, 20AWG (S&F contacts only)		