



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:

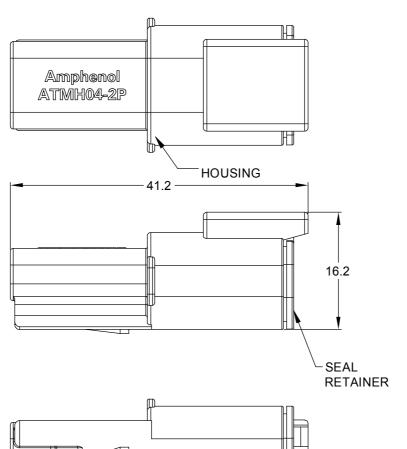
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);

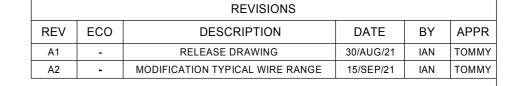
- IP69K(MATED CONDITION)
- 3.6 MATING CYCLE DURABILITY: 100 CYCLES
- 3.7 RoHS COMPLIANT
- 4. MATING PART: ATMH06-2SX (X = A,B,C,D KEYS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

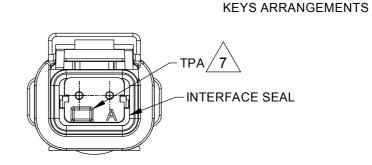
6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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)

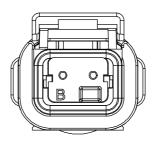
7. TERMINAL POSITION ASSURANCE (TPA) LOCK PRE-MOUNTED: $\overline{AWMH-2PX}$ (X = A,B,C,D KEYS)



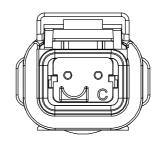




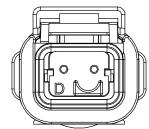
KEY-A CONFIGURATION ATMH04-2PA TPA COLOR: GRAY



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		-
1) All dimensions are in metric(mm).		SIGN	GNATURES DATE		Amphonol			
		DRAWN:	IAN	15/SEP/21	Amphenol			l
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		ENGINEER:			44724 Morley Drive			
MATERIAL SPECIFICA	TIONS:	APPROVAL: TOMMY 16/SEP/21 Clinton Township, MI 48036		J36				
MATERIAL OF EOI TOATIONS.		CUSTOMER:		2 POS,RECEPTACLE, PIN, ATMH SERIE				NES,
	THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES.			KEYED,BLACK COLOR				
PROCESS SPECIFICA	SPECIFICATIO SHOWN HERE THE AMPHENO OF REPRODUI DIMENSIONS	ONS AND PERFO CON ARE THE PR OL CORPORATIO CTION ARE IMPL ARE SUBJECT TO	RMANCE DATA ROPERTY OF DN. NO RIGHTS LIED. ALL O NORMAL	B C-	ATMH04-		A2	
NEXT ASST.		MANUFACTURING VARIATIONS.		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	Туре	
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)		
53	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)		

Contact Removal Tools					
Part	Part Part Number Description				
3	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		
4	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 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			
A. C.	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)			