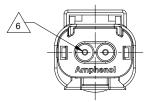


	REVISIONS						
REV	ECO	DESCRIPTION	DATE	BY	APPR		
A1		RELEASE DRAWING	17/AUG/22	IAN	TOMMY		
A2		NOTE 1 - SEAL RETAINER CHANGED TO BLACK	9/NOV/22	JAH	DH		
A3		ADDED COLORS BLU-ORG TO COLOR CHART	31JUL2023	JAH	DH		





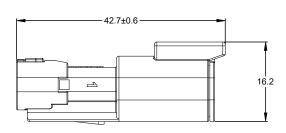
## NOTES: UNLESS OTHERWISE SPECIFIED

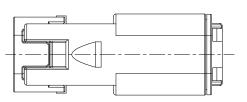
1. MATERIAL:

HOUSING: THERMOPLASTIC; COLOR: SEE PART NUMBER CHART SEAL RETAINER: THERMOPLASTIC; COLOR: BLACK END CAP: THERMOPLASTIC; COLOR: BLACK SEAL: SILICONE RUBBER; COLOR: RED

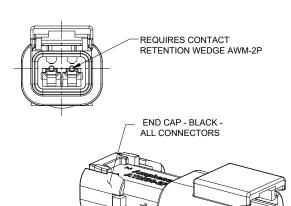
- 2. MODIFICATIONS: SNAP FIT END CAP
- 3. SPECIFICATIONS:
  - 3.1 CURRENT RATING: 7.5 AMPS
  - 3.2 OPERATING TEMPERATURE: -55°C TO +125°C
  - 3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC
  - 3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C
  - 3.5 MOISTURE 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
- 4. MATING PART: ATM06-2S\* PLUG (\* = MODIFICATIONS AND COLORS)
- 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
	(.053 in)	(.120 in)	(1.5 - 0.35 mm²)





PART N	PART NUMBER CHART					
COLOR	PART NUMBER					
GREY	ATM04-2P-SF01					
BLACK	ATM04-2P-SF01BLK					
BLUE	ATM04-2P-SF01BLU					
BROWN	ATM04-2P-SF01BRN					
GREEN	ATM04-2P-SF01GRN					
RED	ATM04-2P-SF01RED					
WHITE	ATM04-2P-SF01WHT					
YELLOW	ATM04-2P-SF01YEL					
ORANGE	ATM04-2P-SF01ORG					



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

	SEE PART NU	JMBER	CHART			Τ
QUANTITY	PART NUMBER		R		DESCRIPTION	ITEM
			MAT	ERIA	ALS LIST	
UNLESS OTHERWISE SPECIFIED  1) All dimensions are in metric(mm).		SIG	NATURES	DATE	Amphonol	
Tolerances are     PL DEC ±0.30	as follows:	DRAWN:	IAN.XIAO	17/AUG/22	Amphenol	
1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 Fractions ±1/64 Angles ±1*		PL DEC ±0.15 PL DEC ±0.08 Angles ±1" CHECKED: SULLENZHAN ENGINEER:		18/AUG/22	Sine Systems - www.amphenol-sine.com	_
					44724 Morley Drive Clinton Township, MI 48036	
		APPROVAL	TOURSONE	40/4110/00	Cilitori Township, IVII 48036	

3) Note reference = X	ENGINEER:				
MATERIAL SPECIFICATIONS:	APPROVAL:	TOMMY.XIE	19/AUG/22		
	CUSTOMER:				
WEIGHT:5.9g					
112.00.09	THIS DRAWING IS SUPPLIED FOR				
PROCESS SPECIFICATIONS:	INFORMATION ONLY, DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DA				
		ON ARE THE PRO			
	THE AMPHENOL CORPORATION, NO RIGHTS OF REPRODUCTION ARE IMPLIED, ALL				
		ARE SUBJECT TO			
NEXT ASSY:	MANUFACTU	RING VARIATIONS			

2 POS, RECEPTACLE, PIN, ATM SERIES, SNAP FIT

2 POS, RECEPTACLE, PIN, ATM SERIES, SNAP FIT

ATM04-2P-SF01XXX REV: A3 SH:

В	C-	ATM04-2P-SI	F01)	XΧ		<b>A3</b>
SCALE: N	ONE		SHEET	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	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 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	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				