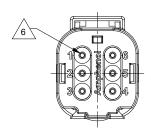


	REVISIONS						
REV	ECO	DESCRIPTION	DATE	BY	APPR		
A1		RELEASE DRAWING	17/AUG/22	SULLEN	TOMMY		
A2		NOTE 1 - SEAL RETAINER CHANGED TO BLACK	9/NOV/22	JAH	DH		
A3		ADDED COLORS BLU-ORG TO COLOR CHART	31JUL2023	JAH	DH		



NOTES: UNLESS OTHERWISE SPECIFIED

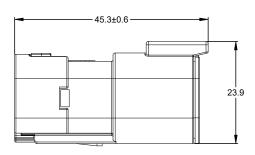
1. MATERIAL:

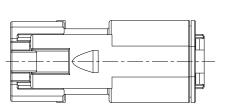
HOUSING: THERMOPLASTIC: COLOR: SEE PART NUMBER CHART SEAL RETAINER: THERMOPLASTIC; COLOR: BLACK END CAP: THERMOPLASTIC; COLOR: BLACK SEAL: SILICONE RUBBER; COLOR: RED

- 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: ATM06-6S* PLUG (* = MODIFICATIONS AND COLORS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

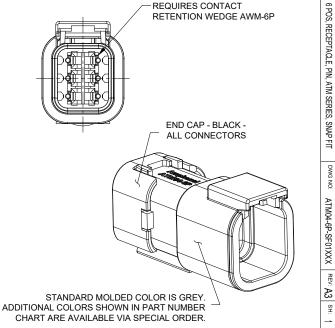
6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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 I	PART NUMBER CHART				
COLOR	PART NUMBER				
GREY	ATM04-6P-SF01				
BLACK	ATM04-6P-SF01BLK				
BLUE	ATM04-6P-SF01BLU				
BROWN	ATM04-6P-SF01BRN				
GREEN	ATM04-6P-SF01GRN				
RED	ATM04-6P-SF01RED				
WHITE	ATM04-6P-SF01WHT				
YELLOW	ATM04-6P-SF01YEL				
ORANGE	ATM04-6P-SF01ORG				



ITEM

SHEET 1 OF 1

ALE:NONE

SEE PART NUMBER CHART			CHART					
QUANTITY	QUANTITY PART NUMBER		R			DE	SCRIPTION	П
			MAT	ERI	AL:	S LI	ST	
UNLESS OTHER		SIG	NATURES	DATE		Λ	mphanal	
All dimensions are in metric(mm). Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 Angles ±1*		DRAWN:	SULLEN.ZHANG	17/AUG/22	Ampheno			
		CHECKED:	ORION.LI	18/AUG/22	1 -	Sine Systems - www.amphenol-sine.com		
3) Note reference	= <u>X</u>	ENGINEER:			1		44724 Morley Drive	
MATERIAL SPECIFICA	MATERIAL SPECIFICATIONS:		TOMMY.XIE	19/AUG/22	-		Clinton Township, MI 48036	
WEIGHT:10.3g PROCESS SPECIFICATIONS:		CUSTOMER		•	6	POS,	RECEPTACLE, PIN, ATM SERII	ΞS,
		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES.		1		SNAP FIT		
		SPECIFICAT SHOWN HEI THE AMPHE OF REPROD	IONS AND PERFOR REON ARE THE PRI NOL CORPORATIO DUCTION ARE IMPLI	RMANCE DATA OPERTY OF IN. NO RIGHTS IED. ALL	B	C-	ATM04-6P-SF01XXX	A

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	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			