	REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR	
A3	-	RELEASE NEW DWG FORMAT	26DEC13	DRP		
A4	C0540S	UPDATE DIMENSIONS	28JUN16	JONY	TOMMY	
A5	-	ADD COLOR OPTION	23NOV20	LOUIE	TOMMY	
A5	-	ADD COLOR OPTION	23NOV20	LOUIE	TO	

TITLE

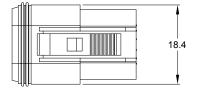
PLUG, 3 SOCKET, AT SERIES

DWG NO:

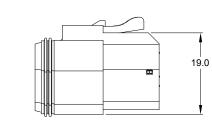
AT06-3S-XXX

REV: A5

SH



REQUIRES CONTACT RETENTION WEDGE AW3S



CAVITY "B" CAVITY "A" CAVITY "A"

CAVITY "C"



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

	SEE PART NUMBER CHART		HART		REF: DT06-3S	DT06-3S-E004, DT06-3S-P012			1
	PART NUMBER				DE	SCRIPTION		ITEM	] -
QUANTITY		ſ	MAT	ERI/	ALS LI	ST			┣
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.06 3) Note reference =		SIGN	ATURES	DATE	<b>^</b>	mpho	no	1	1
		DRAWN:	LOUIE	23NOV20		mphe		I	
		CHECKED:	ORION	24NOV20	Sin	e Systems - www.ampher	ol-sine.com		
		ENGINEER:				44724 Morley Drive			
MATERIAL SPECIFICATIONS:		APPROVAL:	TOMMY	25NOV20		Clinton Township, MI 480	136		-
		CUSTOMER:			PI	UG. 3 SOCKET. AT	SERIES		
THIS DRAWING IS SUPPLED F PROCESS SPECIFICATIONS: SPECIFICATIONS / DESIGN SPECIFICATIONS / DESIGN SPECIFICATIONS / DESIGN SHOWN HEREON ARE THE PR THE AMPHENC CORPORATION DIMENSIONS ARE SUBJECT TO DIMENSIONS ARE SUBJECT TO DIMENSI		INFORMATION SPECIFICATION SHOWN HERE THE AMPHENO	ONLY. DESIGN NS AND PERFOR ON ARE THE PR DL CORPORATIO	FEATURES, RMANCE DATA OPERTY OF DN. NO RIGHTS		DWG NO: AT06-3S-			-
		O NORMAL	SCALE: NONE		SHEET 1	<b>∧</b> ₀ 1			

PART NUMBER CHART				
COLOR	PART NUMBER			
GREY	AT06-3S			
BLACK	AT06-3S-BLK			
BLUE	AT06-3S-BLU			
BROWN	AT06-3S-BRN			
GREEN	AT06-3S-GRN			
RED	AT06-3S-RED			
WHITE	AT06-3S-WHT			
YELLOW	AT06-3S-YEL			
ORANGE	AT06-3S-ORG			



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: HOUSING: THERMOPLASTIC SEAL: SILICONE RUBBER

## 2. MODIFICATIONS: N/A

## 3. SPECIFICATIONS:

- 3.1 CURRENT RATING: 13 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(1M 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: AT04-3P\* RECEPTACLE (\* = 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
16	2.24 mm	3.68 mm	14 - 20 AWG
10	(.088 in)	(.145 in)	(2.0-0.5mm <sup>2</sup> )

## A Series™ - Contact Size 16 Options (Works with: AT, ATV, AHD-9, ARC, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins					
Part Number	Description	Size	AWG	Туре	
AT60-215-1631	Male Contact - Pin, Gold-plated	16	14	Machined	
AT62-209-1631	Female Contact - Socket, Gold-plated	16	14	Machined	
AT60-215-16141	Male Contact - Pin, Nickel-plated	16	14	Machined	
AT62-209-16141	Female Contact - Socket, Nickel-plated	16	14	Machined	
AT60-202-1631	Male Contact - Pin, Gold-plated	16	16-20	Machined	
AT62-201-1631	Female Contact - Socket, Gold-plated	16	16-20	Machined	
AT60-202-16141	Male Contact - Pin, Nickel-plated	16	16-20	Machined	
AT62-201-16141	Female Contact - Socket, Nickel-plated	16	16-20	Machined	
AT60-202-1631-22	Male Contact - Pin, Gold-plated	16	22-24	Machined	
AT62-201-1631-22	Female Contact - Socket, Gold-plated	16	22-24	Machined	
AT60-202-16141-22	Male Contact - Pin, Nickel-plated	16	22-24	Machined	
AT62-201-16141-22	Female Contact - Socket, Nickel-plated	16	22-24	Machined	

Tooling - Machined Contacts				
Part Number	Description			
AUTK-16	Hand Crimp Tool, Size 16			
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		
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed		
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed		
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed		
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-18	Stamped & Formed		
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed		
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed		
AT60-16-0144	Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed		
AT62-16-0144	Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed		
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed		
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed		
AT60-16-0644	Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed		
AT62-16-0644	Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed		
AT60-16-0677	Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed		
AT62-16-0677	Female Contact - Socket, Tin-plated	16	16-20	Stamped & Formed		
AT60-16-0822	Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed		
AT62-16-0822	Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed		
AT60-16-0844	Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed		
AT62-16-0844	Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed		

Tooling - Stamped & Formed Contacts		
MFX-3950	Crimp Die - Size 16, 18-20AWG	
MFX-3953	Crimp Die - Size 16, 16-18AWG	
MFX-3975	Crimp Die - Size 16, 14-16AWG	
MFX-3990	Crimp Die - Size 16, 20-22AWG	
ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG	
ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG	
ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG	

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)				
Part Number	Description			
ATRT-100	Contact and Wedgelock Extraction Tool			
AT11-310-1605	Contact Removal Tool, Plastic, Size 16			

	Sealing Plugs (For both Machined or Stamped & Formed Contacts)				
Part Number	Description				
A114017	Sealing Plug, Size 16, White				
A114017-SR	Sealing Plug, Size 16, SR01 Series, Black				
AT13-217-1605	Locking Sealing Plug, Size 16, Grey				
AT13-217-1605-SR	Locking Sealing Plug, Size 16, SR01 Series, Red				

Amphenol Sine Systems 44724 Morley Drive, Clinton Township, MI 48036 USA www.amphenol-sine.com 10-2023