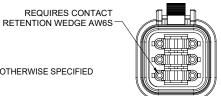
46.1	-

		REVISIONS			
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	5JUL17	JAH	-
A2	-	ADDED REDUCED DIAMETER SEAL P/N'S	28JAN18	JAH	
A3	-	REVISED TITLE	14JUN19	JAH	



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: PA66 GF15 SEAL: SILICONE RUBBER

- 2. MODIFICATIONS: FOR OVER MOLDING
- 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: IP67 (MATED CONDITION)
 - 3.6 MATING CYCLE DURABILITY: 100 CYCLES
 - 3.7 RoHS COMPLIANT
- 4. MATING PART: AT04-6P* RECEPTACLE (* = MODIFICATIONS AND COLORS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

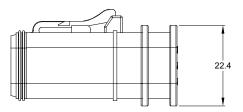


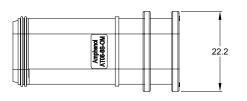
STANDARD SEAL

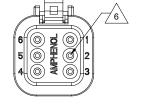
CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL
SIZE	O.D.	O.D.	WIRE RANGE
16	2.24 mm (.088 in)	3.68 mm (.145 in)	

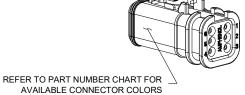
REDUCED DIAMETER SEAL

CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL
SIZE	O.D.	O.D.	WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG









PART NUMBER CHART				
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL		
GREY	AT06-6S-OMGRY	AT06-6S-OMRDGRY		
BLACK	AT06-6S-OMBLK	AT06-6S-OMRDBLK		
BLUE	AT06-6S-OMBLU	AT06-6S-OMRDBLU		
BROWN	AT06-6S-OMBRN	AT06-6S-OMRDBRN		
GREEN	AT06-6S-OMGRN	AT06-6S-OMRDGRN		
RED	AT06-6S-OMRED	AT06-6S-OMRDRED		
WHITE	AT06-6S-OMWHT	AT06-6S-OMRDWHT		
YELLOW	AT06-6S-OMYEL	AT06-6S-OMRDYEL		

	SEE PART N	JMBER CHART								
	PART N	NUMBER	R DESCRIPTION ITE			TEM				
QUANTITY	QUANTITY MATERIALS LIST									
1) All dimensions	WISE SPECIFIED	SIGNATURI	ES D	ATE		Λ	mnhc	no	ī	
2) Tolerances are		DRAWN: J. HEAD	5JL	JL2017			mphe	;1 IO	I	
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:			Sine Systems - www.amphenol-sine.com		-			
3) Note reference	= <u>x</u>	ENGINEER:			44724 Morley Drive					
MATERIAL SPECIFICA	TIONS:	APPROVAL:			Clinton Township, MI 48036			_		
		CUSTOMER:			STRUCTURE+, OVERMOLD-COMPATIBLE			.		
		THIS DRAWING IS SUPPL INFORMATION ONLY, DES		JRES.	PLUG, 6 SOCKET, AT SERIES					
PROCESS SPECIFICA	TIONS:	SPECIFICATIONS AND PE SHOWN HEREON ARE TH THE AMPHENOL CORPOR OF REPRODUCTION ARE DIMENSIONS ARE SUBJECTION	RFORMAN IE PROPER RATION. NO IMPLIED. A	CE DATA TY OF RIGHTS	B C- AT06-6S-OMXXX		A	3		
NEXT ASS'Y:		MANUFACTURING VARIAT	TIONS.		SCALE: N	ONE		SHEET 1	OF 1	1 1

REV: A3 SH: 1

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			

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			

Stamped & Formed Contacts, Sockets & Pins				
Description	Size	AWG	Туре	
Male Contact - Pin, Nickel-plated	16	14-18	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	14-18	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	14-18	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	14-18	Stamped & Formed	
Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	16-18	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	16-18	Stamped & Formed	
Male Contact - Pin, Nickel-plated	16	16-20	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	16-20	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	16-20	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	16-20	Stamped & Formed	
Male Contact - Pin, Tin-plated	16	16-20	Stamped & Formed	
Female Contact - Socket, Tin-plated	16	16-20	Stamped & Formed	
Male Contact - Pin, Nickel-plated	16	20-22	Stamped & Formed	
Female Contact - Socket, Nickel-plated	16	20-22	Stamped & Formed	
Male Contact - Pin, Gold-plated	16	20-22	Stamped & Formed	
Female Contact - Socket, Gold-plated	16	20-22	Stamped & Formed	
	Description Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Nickel-plated Male Contact - Socket, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Nickel-plated Female Contact - Socket, Nickel-plated Male Contact - Pin, Gold-plated Female Contact - Socket, Gold-plated Male Contact - Pin, Tin-plated Female Contact - Pin, Tin-plated Male Contact - Pin, Nickel-plated Male Contact - Pin, Gold-plated	DescriptionSizeMale Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Nickel-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Pin, Gold-plated16Male Contact - Pin, Mickel-plated16Female Contact - Socket, Gold-plated16Female Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16Female Contact - Socket, Gold-plated16Male Contact - Pin, Tin-plated16Female Contact - Pin, Tin-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Female Contact - Socket, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Nickel-plated16Male Contact - Pin, Gold-plated16	DescriptionSizeAWGMale Contact - Pin, Nickel-plated1614-18Female Contact - Socket, Nickel-plated1614-18Male Contact - Pin, Gold-plated1614-18Female Contact - Socket, Gold-plated1614-18Male Contact - Pin, Nickel-plated1616-18Female Contact - Socket, Nickel-plated1616-18Male Contact - Pin, Gold-plated1616-18Female Contact - Socket, Gold-plated1616-18Male Contact - Pin, Nickel-plated1616-20Female Contact - Socket, Nickel-plated1616-20Male Contact - Pin, Gold-plated1616-20Female Contact - Socket, Gold-plated1616-20Male Contact - Pin, Tin-plated1616-20Female Contact - Pin, Tin-plated1616-20Male Contact - Pin, Nickel-plated1616-20Male Contact - Socket, Tin-plated1616-20Male Contact - Pin, Nickel-plated1620-22Female Contact - Socket, Nickel-plated1620-22Male Contact - Pin, Gold-plated1620-22	

	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			