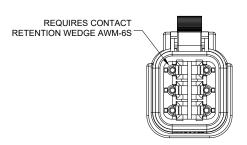
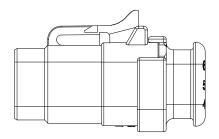
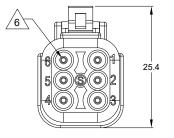
39.7	-

	REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR	
A1		PERLIMINARY DESIGN	25/OCT/14	ORION	TOMMY	
A2		ADD COLOR	06/DEC/16	JONY	TOMMY	

PLUG, 6 SOCKET, STRAIN RELIEF, ATM SERIES







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

NOTES: UNLESS OTHERWISE SPECIFIED 1. MATERIAL:

HOUSING: THERMOPLASTIC SEAL: SILICONE RUBBER

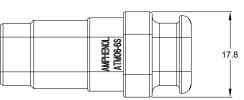
- 2. MODIFICATIONS: STRAIN RELIEF END CAP
- 3. SPECIFICATIONS:
 - 3.1 CURRENT RATING: 7.5 AMPS

 - 3.2 OPERATING TEMPERATURE: -55°C TO +125°C 3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILIAMPS 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: ATM04-6P* RECEPTACLE. (* = MODIFICATIONS AND/OR COLORS)
- 5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

<u>/6\</u>	CONTACT	SIZE AND REA	R SEAL WIRE	RANGE:
	CONTACT	MIN. INSUL	MAX. INSUL	TYPIC

CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL
SIZE	O.D.	O.D.	WIRE RANGE
20 1.35 mm (.053 in)		3.05 mm (.120 in)	16 - 22 AWG



PART NUMBER CHART		
COLOR	PART NUMBER	
GREY	ATM06-6S-SR01GY	
BLACK	ATM06-6S-SR01BK	
BLUE	ATM06-6S-SR01BL	
BROWN	ATM06-6S-SR01BN	
GREEN	ATM06-6S-SR01GN	
RED	ATM06-6S-SR01RD	
WHITE	ATM06-6S-SR01WT	
YELLOW	ATM06-6S-SR01YL	
ORANGE	ATM06-6S-SR01OR	

17.3	CHART ARE AVAILABLE VIA SPECIAL ORDER. 7.8 Prov. 20 P					
ſ		SEE PART NU	JMBER CHART			9
Ī		PART N	IUMBER		DESCRIPTION ITEM	<i>ĭ</i> →
	QUANTITY		MA	TERI	ALS LIST	\vdash
	UNLESS OTHERV 1) All dimensions at 2) Tolerances are at 1 PL DEC ±0.30	re in metric(mm).	SIGNATURE DRAWN: JONY	06-DEC-16	⊣ Δmnnan∩i	
	2 PL DEC ±0.35 3 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED: Orion ENGINEER:	06-DEC-16	44724 Morley Drive	
ŀ	MATERIAL SPECIFICAT	TIONS:	APPROVAL: Tommy CUSTOMER:	06-DEC-16	PLUG, 6 SOCKET, STRAIN RELIEF,	1
THIS DRAWING IS SUPP. PROCESS SPECIFICATIONS. SECIFICATION SAMPLE SHOWN HERO ARE THE HERO ARE TH		IGN FEATURES, RFORMANCE DATA E PROPERTY OF MATION. NO RIGHTS IMPLIED. ALL CT TO NORMAL	D 0 ATM00 00 0D04\/\/	2		

ATM Series™ - Contact Size 20 Options

Machined Contacts, Sockets & Pins				
Part Number Description Size AW			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)	
3	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)	

	Contact Removal Tools			
Part	Part Number	Description		
from hites	ATRT-100	Used for removal of contacts for A Series™ products		
	AT11-240-2005	Contact Removal Tool, Plastic, Size 20		
	AT13-204-2005	Sealing Plug, Size 20, White		

Stamped & Formed Contacts, Sockets & Pins					
Part Number Description			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	Part Number	Description	
	MFX-3974	Crimp Die - Size 20 (\$&F contacts only)	
	MFX-3976	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -04XX Series	
	MFX-3978	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -02XX Series	
	ATT-20-00	Hand Crimp Tool - Size 20, 20AWG (S&F contacts only)	

Amphenol Sine Systems 44724 Morley Drive Clinton Township, MI 48036 USA www.amphenol-sine.com 09/2021