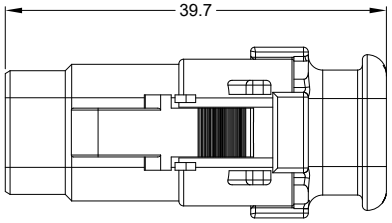
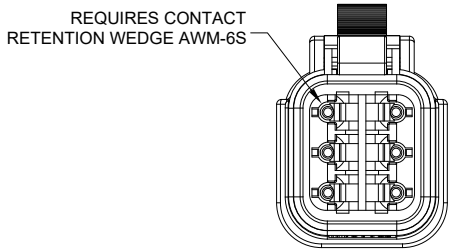
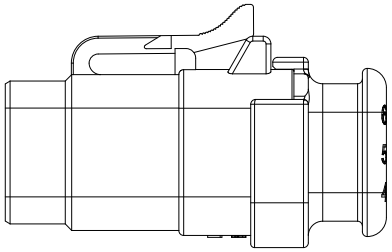
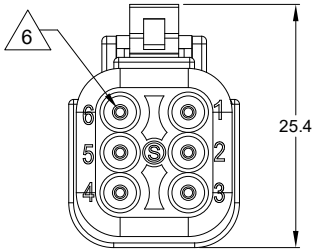
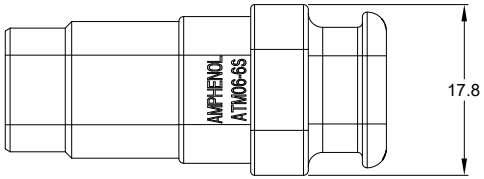
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1		PERLIMINARY DESIGN	25/OCT/14	ORION	TOMMY
A2	---	ADD COLOR	06/DEC/16	JONY	TOMMY



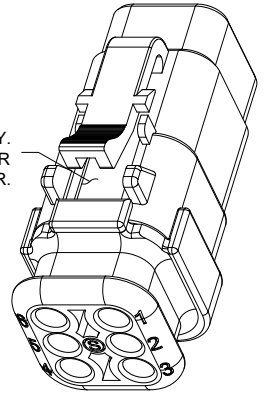








STANDARD MOLDED COLOR IS GREY.
ADDITIONAL COLORS SHOWN IN PART NUMBER CHART ARE AVAILABLE VIA SPECIAL ORDER.



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 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: ATM04-6P* RECEPTACLE.
   (* = MODIFICATIONS AND/OR COLORS)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

△6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL 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

	SEE PART NUMBER CHART		
	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST		

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = △X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES		DATE
DRAWN:	JONY	06-DEC-16
CHECKED:	Orion	06-DEC-16
ENGINEER:		
APPROVAL:	Tommy	06-DEC-16
CUSTOMER:		

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Amphenol

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

PLUG, 6 SOCKET, STRAIN RELIEF, ATM SERIES

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATM06-6S-SR01XX	A2

SCALE: NONE SHEET 1 OF 1

TITLE: PLUG, 6SOCKET,STRAIN RELIEF, ATM SERIES
DWG NO: ATM06-6S-SR01XX
REV: A2
SH: 1
OF: 1

ATM Series™ - Contact Size 20 Options

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

Contact Removal Tools		
Part	**Part Number**	**Description**
	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**	**Size**	**AWG**	**Type**
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 (S&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
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Clinton Township, MI 48036 USA
www.amphenol-sine.com
09/2021