REVISIONS

REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DWG FORMAT	11DEC13	DRP	
A4	C0540S	UPDATE DIMENSIONS	05AUG16	JONY	TOMMY
A5	-	ADD COLOR OPTION	23NOV20	LOUIE	TOMMY

20.7

6

24.3
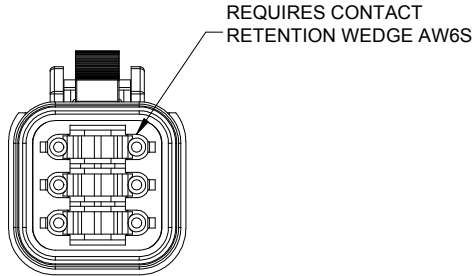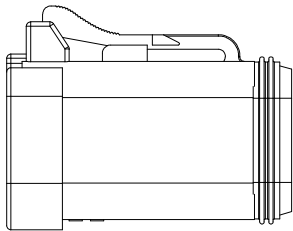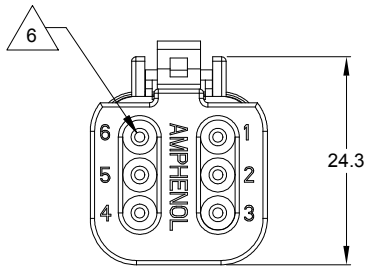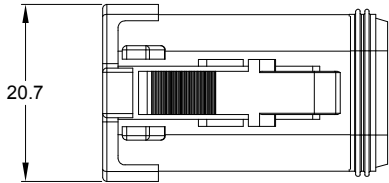
REQUIRES CONTACT RETENTION WEDGE AW6S

END CAP

AMPHENOL AT06-6S

33.0±0.6
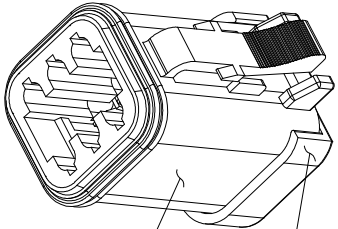
STANDARD MOLDED COLOR IS GREY.
ADDITIONAL COLORS SHOWN IN PART NUMBER
CHART ARE AVAILABLE VIA SPECIAL ORDER.

STANDARD COLOR IS GREY,
ADDITION COLOR SHOWN IN
PART NUMBER CHART

AMPHENOL

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: END CAP

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: AT04-6P* RECEPTACLE
   (* = MODIFICATIONS AND 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
16	2.24 mm (.088 in)	3.68 mm (.145 in)	14 - 20 AWG (2.0-0.5mm²)
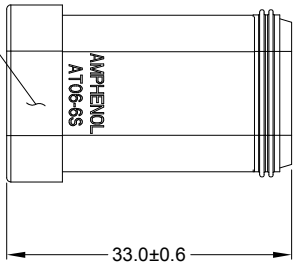
PART NUMBER CHART

COLOR	PART NUMBER
GREY	AT06-6S-EC01
BLACK	AT06-6S-EC01BLK
BLUE	AT06-6S-EC01BLU
BROWN	AT06-6S-EC01BRN
GREEN	AT06-6S-EC01GRN
RED	AT06-6S-EC01RED
WHITE	AT06-6S-EC01WHT
YELLOW	AT06-6S-EC01YEL
ORANGE	AT06-6S-EC01ORG

SEE PART NUMBER CHART	REF: DT06-6S-E003, DT06-6S-E005, DT06-6S-EP04, DT06-6S-EP06	
PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

QUANTITY

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

	SIGNATURES	DATE
DRAWN:	LOUIE	23NOV20
CHECKED:	ORION	25NOV20
ENGINEER:		
APPROVAL:	TOMMY	27NOV20
CUSTOMER:		

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

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

THIS DRAWING IS SUPPLIED FOR
INFORMATION ONLY. DESIGN FEATURES,
SPECIFICATIONS AND PERFORMANCE DATA
SHOWN HEREON ARE THE PROPERTY OF
THE AMPHENOL CORPORATION. NO RIGHTS
OF REPRODUCTION ARE IMPLIED. ALL
DIMENSIONS ARE SUBJECT TO NORMAL
MANUFACTURING VARIATIONS.

NEXT ASS'Y:

PLUG, 6 SOCKET, AT SERIES, END CAP

SIZE B	TYPE C-	DWG NO: AT06-6S-EC01XXX	REVISION A5

SCALE: NONE   SHEET 1 OF 1

AT Series™ - Contact Size 16 Options

Machined Contacts, Sockets & Pins

Part Number	Description	Size	AWG	Type
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

Stamped & Formed Contacts, Sockets & Pins

Part Number	Description	Size	AWG	Type
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-16	Stamped & Formed
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-16	Stamped & Formed
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-16	Stamped & Formed
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-16	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
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed
AT60-16-0644	Male Contact - Pin, Gold-plated	16	18-20	Stamped & Formed
AT62-16-0644	Female Contact - Socket, Gold-plated	16	18-20	Stamped & Formed
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	18-20	Stamped & Formed
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	18-20	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
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

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
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16
	A114017	Sealing Plug, Size 16, White

Tooling - Stamped & Formed Contacts

Part	Part Number	Description
	MFX-3950	Crimp Die - Size 16, 18-20AWG (S&F contacts only)
	MFX-3953	Crimp Die - Size 16, 16-18AWG (S&F contacts only)
	MFX-3975	Crimp Die - Size 16, 14-16AWG (S&F contacts only)
	MFX-3990	Crimp Die - Size 16, 20-22AWG (S&F contacts only)
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only)
	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only)
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol](#):
  [AT06-6S-EC01BLK](#)