

# AT06-6S-WHT Datasheet

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DiGi Electronics Part Number	AT06-6S-WHT-DG
Manufacturer	<a href="#">Amphenol Sine Systems Corp</a>
Manufacturer Product Number	AT06-6S-WHT
Description	CONN PLUG HSG 6POS
Detailed Description	6 Rectangular Connectors - Housings Plug White

This model AT06-6S-WHT is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

AT06-6S-WHT

Series:

AT Series™

Connector Type:

Plug

Number of Positions:

6

Number of Rows:

2

Mounting Type:

Free Hanging (In-Line)

Fastening Type:

Latch Lock

Features:

Sealed

Operating Temperature:

-55°C ~ 125°C

Base Product Number:

AT06-6S

Manufacturer:

Amphenol Sine Systems Corp

Product Status:

Active

Contact Type:

Female Socket

Pitch:

-

Row Spacing:

-

Contact Termination:

Crimp

Color:

White

Insulation Material:

Thermoplastic

Note:

Contacts Not Included

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8538.90.6000

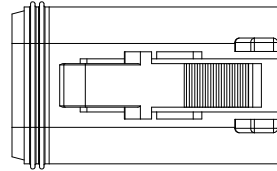
Moisture Sensitivity Level (MSL):

1 (Unlimited)

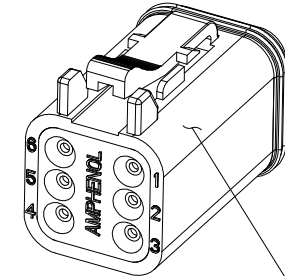
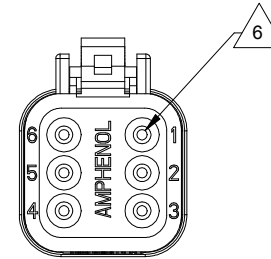
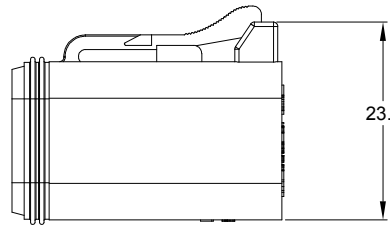
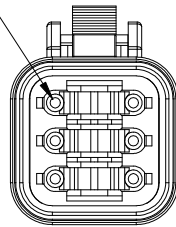
ECCN:

EAR99

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DWG FORMAT	27DEC13	JARRY	
A4	C0540S	UPDATE DIMENSIONS	29JUN16	JONY	TOMMY
A5	-	ADD COLOR OPTION	23NOV20	LOUIE	TOMMY



REQUIRES CONTACT RETENTION WEDGE AW6S



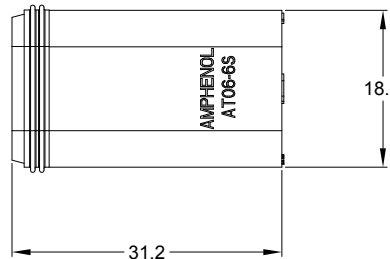
STANDARD MOLDED COLOR IS GREY.  
ADDITIONAL COLORS SHOWN IN PART NUMBER CHART ARE AVAILABLE VIA SPECIAL ORDER.

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER
- MODIFICATIONS: N/A
- SPECIFICATIONS:
  - CURRENT RATING: 13 AMPS
  - OPERATING TEMPERATURE: -55°C TO +125°C
  - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - MOISTURE RESISTANCE:  
IP68(1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)  
IP69K(MATED CONDITION)
  - MATING CYCLE DURABILITY: 100 CYCLES
  - RoHS COMPLIANT
- MATING PART: AT04-6P\* RECEPTACLE  
(\* = MODIFICATIONS AND COLORS )
- 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 (2.0-0.5mm <sup>2</sup> )



PART NUMBER CHART	
COLOR	PART NUMBER
GREY	AT06-6S
BLACK	AT06-6S-BLK
BLUE	AT06-6S-BLU
BROWN	AT06-6S-BRN
GREEN	AT06-6S-GRN
RED	AT06-6S-RED
WHITE	AT06-6S-WHT
YELLOW	AT06-6S-YEL
ORANGE	AT06-6S-ORG

SEE PART NUMBER CHART		REF: DT06-6S, DT06-6S-E004, DT06-6S-P012																									
QUANTITY	PART NUMBER	DESCRIPTION	ITEM																								
<table border="1"> <thead> <tr> <th colspan="2">UNLESS OTHERWISE SPECIFIED</th> <th>SIGNATURES</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td colspan="2">1) All dimensions are in metric(mm).</td> <td>DRAWN: LOUIE</td> <td>23NOV20</td> </tr> <tr> <td colspan="2">2) Tolerances are as follows:</td> <td>CHECKED: ORION</td> <td>25NOV20</td> </tr> <tr> <td>1 PL DEC ±0.30</td> <td>Fractions ±1/64</td> <td>ENGINEER:</td> <td></td> </tr> <tr> <td>2 PL DEC ±0.15</td> <td>Angles ±1°</td> <td>APPROVAL: TOMMY</td> <td>27NOV20</td> </tr> <tr> <td>3 PL DEC ±0.06</td> <td></td> <td>CUSTOMER:</td> <td></td> </tr> </tbody> </table>				UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE	1) All dimensions are in metric(mm).		DRAWN: LOUIE	23NOV20	2) Tolerances are as follows:		CHECKED: ORION	25NOV20	1 PL DEC ±0.30	Fractions ±1/64	ENGINEER:		2 PL DEC ±0.15	Angles ±1°	APPROVAL: TOMMY	27NOV20	3 PL DEC ±0.06		CUSTOMER:	
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MATERIAL SPECIFICATIONS:		<p>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.</p>																									
PROCESS SPECIFICATIONS:		<p>Amphenol</p> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>																									
NEXT ASSY:		<p>PLUG, 6 SOCKET, AT SERIES</p>																									
SIZE		<p>TYPE: <b>B C-</b> DWG NO: <b>AT06-6S-XXX</b> REVISION: <b>A5</b></p>																									
SCALE: NONE		SHEET 1 OF 1																									

TITLE: AT06-6S WHT Amphenol Sine Systems Corp. CONN PLUG HS 6 POS  
 DWG NO: AT06-6S-XXX  
 REV: A5  
 SH: 1  
 OF: 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	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

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				
Part Number	Description	Size	AWG	Type
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

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