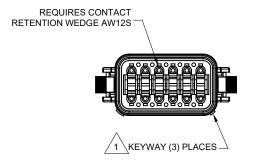
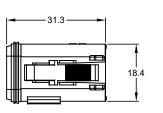
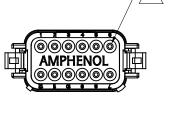


		REVISIONS			
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DRAWING FORMAT	06JUN17	ORION	TOMMY







1 REFER TO SHEET 2 FOR

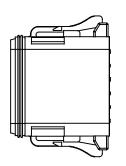
AVAILABLE CONNECTOR COLORS



1\SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL: HOUSING: THERMOPLASTIC SEAL: SILICONE RUBBER

- 3. MODIFICATIONS: STANDARD WIRE SEAL
- 4. SPECIFICATIONS:
  - 4.1 CURRENT RATING: 13 AMPS
  - 4.2 OPERATING TEMPERATURE: -55癈 TO +125癈
  - 4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - 4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25癈.
  - 4.5 MOISTURE RESISTANCE: IP67 ( MATED CONDITION )
  - 4.6 MATING CYCLE DURABILITY: 100 CYCLES
  - 4.7 RoHS COMPLIANT
- 5. MATING PART: AT04-12PX\* RECEPTACLE (X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS)
- 6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



7 CONTACT SIZE AND REAR SEAL WIRE RANGE:
--

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

SEE SHEET 2 PART NUMBER DESCRIPTION

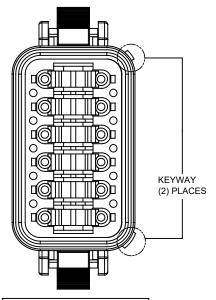
MATERIALS LIST QUANTITY SIGNATURES DATE Amphenol ) All dimensions are in metric(mm) ORION.LI 06JUN17 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 TOMMY.XIE 06JUN17 MATERIAL SPECIFICATIONS PLUG, 12 SOCKET, AT SERIES, KEYED THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY, DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DA SPECIFICATIONS AND PERFORMANCE DAT SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHT OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. B C AT06-12SX12-XXX CALE: NONE

AT06-12SX12-XXX

ITEM

REVISIONS						
REV	ECO	DESCRIPTION	DATE	BY	APPR	
A3	-	RELEASE NEW DRAWING FORMAT	06JUN17	ORION	TOMMY	

### P/N AT06-12SX1 KEY-A CONFIGURATION STANDARD COLOR: GREY



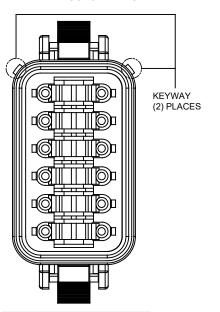
KEY-A CONFIGURATION			
COLOR	PART NUMBER		
*GREY	AT06-12SX1		
BLACK	AT06-12SX1-BLK		
GREEN	AT06-12SX1-GRN		
BROWN	AT06-12SX1-BRN		

## NOTE:

AN ASTERISKS (  $^{\star}$  ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

### P/N AT06-12SX2 KEY-B CONFIGURATION STANDARD COLOR: BLACK



KEY-B CONFIGURATION			
COLOR	PART NUMBER		
GREY	AT06-12SX2-GRY		
*BLACK	AT06-12SX2		
GREEN	AT06-12SX2-GRN		
BROWN	AT06-12SX2-BRN		

	PART N	NUMBER			DESCRIPTION			ITEM		
QUANTITY	MATERI				<b>NLS</b>	) LI	ST			
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) Note reference =   MATERIAL SPECIFICATIONS.		SIGNATUR DRAWN: ORION.		DATE 06JUN17		Α	mphe	en	ol	
		CHECKED: ENGINEER:		00001417	Sine Systems - www.amphenol-sine.com 44724 Mortey Drive Clinton Township, MI 48036					
		CUSTOMER: TOMMY.)	ΊE	06JUN17		PLU	JG, 12 SOCKET, A		IES,	
PROCESS SPECIFICA	TIONS:	THIS DRAWING IS SUPPI	SIGN F	EATURES,			KEYED			
THOUSE OF LOW IGNA		SPECIFICATIONS AND P SHOWN HEREON ARE TO THE AMPHENOL CORPO OF REPRODUCTION ARE DIMENSIONS ARE SUBJE	HE PRO	DPERTY OF N. NO RIGHTS ED. ALL	B	C-	AT06-12SX	12-XX	XΧ	A3
NEXT ASS'Y:		MANUFACTURING VARIA		·	SCALE: N	ONE		SHEET	2 (	DF 2

PLUG, 12 SOCKET, AT SERIES, KEYED DWG NO: AT06-12SX12-XXX

XXX REV: A3 SH: 2

SH: 2 OF:

# **AT Series™** - Contact Size 16 Options

	Machined Contacts, Sockets & Pins						
Part Number	Description		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	2-201-1631 Female Contact - Socket, Gold-plated		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	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					
3	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					

Stamped & Formed Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Туре		
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 - 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)				

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

# **Mouser Electronics**

**Authorized Distributor** 

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

Amphenol: AT06-12SX1