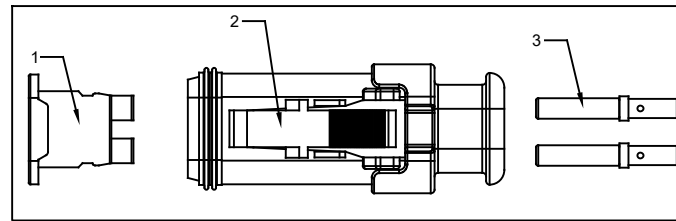
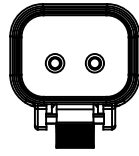
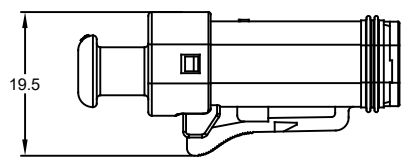
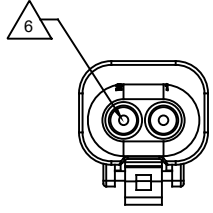
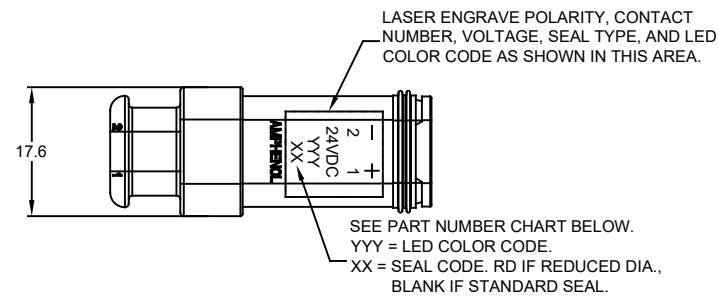
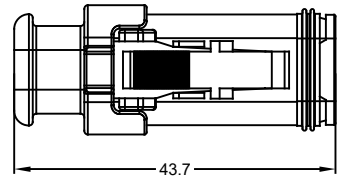


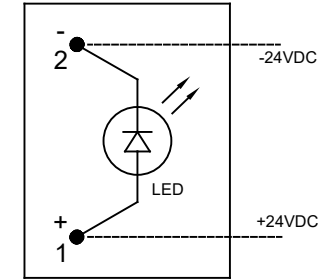
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	06MAR19	PETER	TOMMY
A2	-	ADDED -LED24K2 TO CHART ADDED RD TO LASER ENGRAVING	14MAR19	JAH	-



KIT CONTENTS



PART NUMBER CHART				
KIT NUMBER	LED COLOR	LED COLOR CODE (YYY)	SEAL	ASSEMBLY NUMBER
AT06-2S-LED24K1	WHITE	WHT	STANDARD	AT06-2S-LED2401
AT06-2S-LED24K2	WHITE	WHT	REDUCED DIA.	AT06-2S-LED2402



LED CONNECTOR DIAGRAM

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
HOUSING: THERMOPLASTIC,COLOR:BLACK
SEAL: SILICONE RUBBER
WEDGELOCK:THERMOPLASTIC,COLOR:BLACK
CONTACTS:COPPER ALLOY,NICKEL PLATING
2. CONNECTOR SPECIFICATIONS:
 - 2.1 CURRENT RATING: 13 AMPS
 - 2.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
 - 2.3 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
 - 2.4 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
 - 2.5 MATING CYCLE DURABILITY: 100 CYCLES
 - 2.6 ROHS COMPLIANT
3. LED SPECIFICATIONS:
 - 3.1 FORWARD CURRENT: 4 MILLIAMPS TYPICAL;
6 MILLIAMPS MAXIMUM
 - 3.2 REVERSE CURRENT: 50 MICROAMPS MAXIMUM
 - 3.3 POWER DISSIPATION: 130 MILLIWATTS MAXIMUM
 - 3.4 FORWARD VOLTAGE: 26 VOLTS MAXIMUM
 - 3.5 REVERSE VOLTAGE: 5 VOLTS MAXIMUM
 - 3.6 LUMINOUS INTENSITY: 1 CANDELA @ 24 VOLTS

4. MATING PART: AT04-2P* RECEPTACLE (* = MODIFICATIONS AND COLORS)
5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

CONTACT SIZE AND REAR SEAL WIRE RANGE:

REDUCED DIAMETER SEAL:			
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG

STANDARD SEAL:			
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	AT62-201-16141	SOCKET CONTACT,16#	3
1	SEE CHART	PLUG 2-WAY,BLACK,LED	2
1	AW2S-LED	WEDGELOCK 2-WAY,LED	1
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

UNLESS OTHERWISE SPECIFIED:			SIGNATURES		DATE
1) All dimensions are in metric(mm).			DRAWN: SULLENZHANG	07MAR19	
2) Tolerances are as follows:			CHECKED: ORIONLI	07MAR19	
1 PL DEC ±0.30			ENGINEER:		
2 PL DEC ±0.15			APPROVAL: TOMMYXIE	07MAR19	
3 PL DEC ±0.08			CUSTOMER:		
3) Note reference =			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.		
MATERIAL SPECIFICATIONS:			CUSTOMER:		
PROCESS SPECIFICATIONS:			NEXT ASSY:		



MATERIALS LIST			
SIZE	TYPE	DWG NO:	REVISION
B	C-	AT06-2S-LED24KX	A2
SCALE: NONE		SHEET 1 OF 1	




Amphenol	
Sine Systems - www.amphenol-sine.com	
44724 Morley Drive	
Clinton Township, MI 48036	
AT SERIES, 2-WAY, PLUG, LED, 24V, CLEAR END CAP, BLACK BODY, WEDGELOCK	

TITLE: AT SERIES, 2-WAY, PLUG, LED, 24V, CLEAR END CAP, BLACK BODY, WEDGELOCK
 DWG NO: AT06-2S-LED24KX
 REV: A2
 SH: 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

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

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 - 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