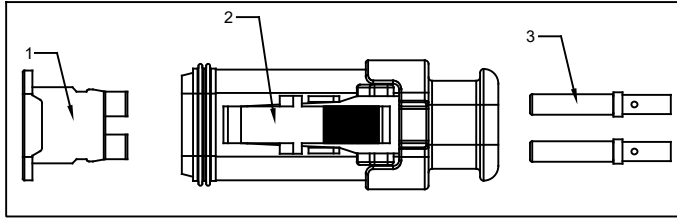
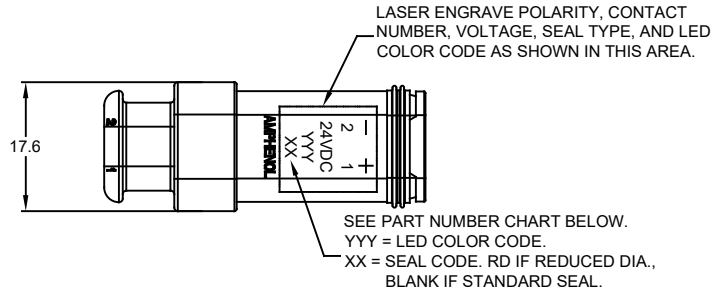
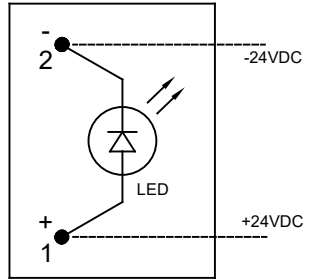


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	06MAR19	PETER	TOMMY
A2	-	ADDED -LED24K2 TO CHART ADDED RD TO LASER ENGRAVING	14MAR19	JAH	-



KIT CONTENTS



LED CONNECTOR DIAGRAM

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

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING: THERMOPLASTIC,COLOR:BLACK
SEAL: SILICONE RUBBER
WEDGELOCK:THERMOPLASTIC,COLOR:BLACK
CONTACTS:COPPER ALLOY,NICKEL PLATING
- 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
- 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

- MATING PART: AT04-2P* RECEPTACLE
(* = MODIFICATIONS AND COLORS)
- 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

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED:
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30
2 PL DEC ±0.15
3 PL DEC ±0.08
3) Note reference =

SIGNATURES
DRAWN: SULENZHANG
CHECKED: ORIONLI
ENGINEER:
APPROVAL: TOMMYXIE

DATE
07MAR19
07MAR19
07MAR19

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

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PROCESS SPECIFICATIONS:
NEXT ASSY:

CUSTOMER:
SCALE: NONE

SIZE: B C-
DWG NO: AT06-2S-LED24KX
REVISION: A2

SHEET 1 OF 1

TITLE: AT SERIES, 2WAY PLUG,LED,24V,CLEAR END CAP, BLACK BODY, WEDGELOCK
DWG NO: AT06-2S-LED24KX
REV: A2
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-20	Hand Crimp Tool, Size 20
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
AT60-14-0144	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	
MXF-3950	Crimp Die - Size 16, 18-20AWG
MXF-3953	Crimp Die - Size 16, 16-18AWG
MXF-3975	Crimp Die - Size 16, 14-16AWG
MXF-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