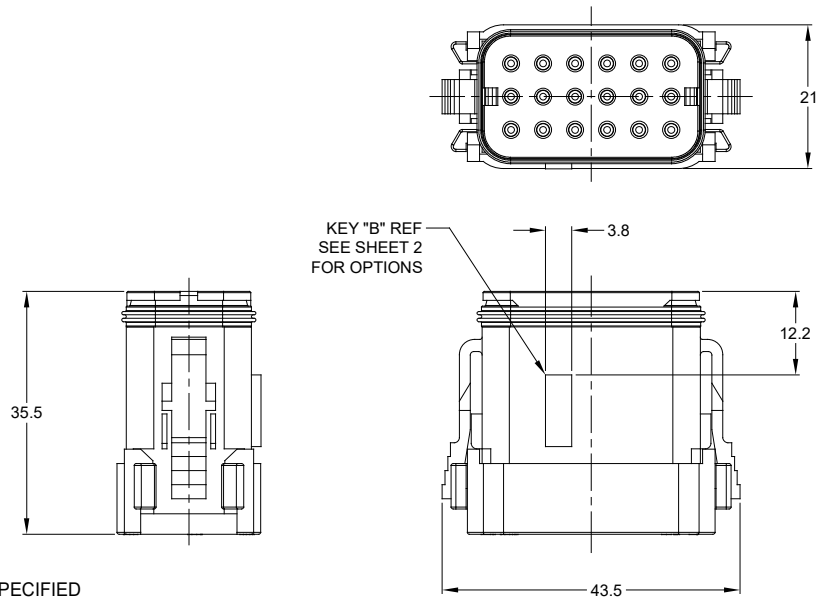
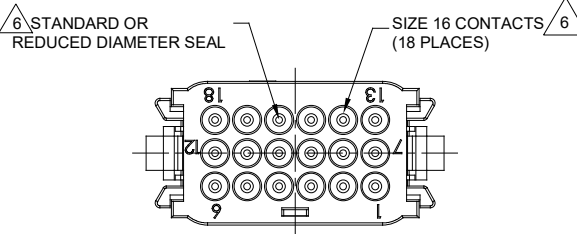




REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE	12JAN2015	JAH	-
A4	-	ADDED RD VERSIONS AND CHART	27AUG2019	JAH	-
A5	-	ADDED SR AND EK02 VERSIONS, COLORS	31OCT2019	JAH	-

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING: THERMOPLASTIC; COLOR: SEE CHART
END CAP: THERMOPLASTIC; COLOR: BLACK
STRAIN RELIEF CAP: THERMOPLASTIC; COLOR: BLACK
SEALS: SILICONE RUBBER; COLOR: RED, RD COLOR: GREEN
- MODIFICATIONS: END CAP, STRAIN RELIEF CAP (OPT),
REDUCED DIAMETER SEAL (OPT).
- 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: IP67 (MATED CONDITION)
3.6 MATING CYCLE DURABILITY: 100 CYCLES
3.7 RoHS COMPLIANT
- MATING PART: AT16-18PX-* RECEPTACLES
(X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



CONTACT SIZE AND REAR SEAL WIRE RANGE

REDUCED DIAMETER SEAL:

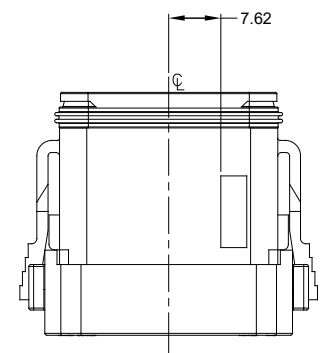
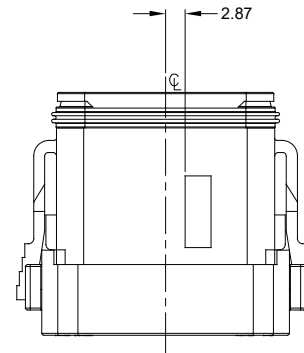
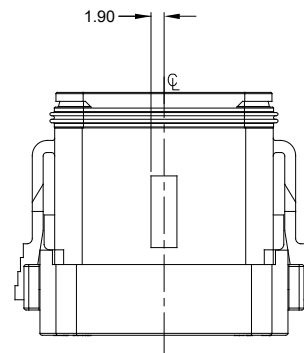
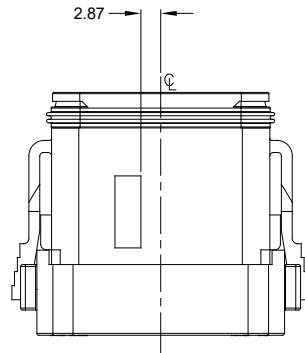
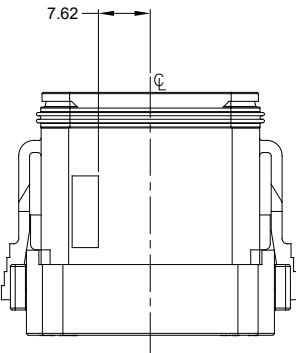
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG

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

SEE PIN CHART		SIGNATURES		DATE
PART NUMBER		DRAWN: J.HEAD		12/17/14
DESCRIPTION		CHECKED:		
ITEM		ENGINEER:		
MATERIAL SPECIFICATIONS:		APPROVAL:		
CUSTOMER:		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.		
PROCESS SPECIFICATIONS:		NEXT ASSY:		
MATERIALS LIST		SINE Systems Corporation		
A Subsidiary of Amphenol Corporation		44724 Morley Drive		
Clinton Township, MI 48036		AT SERIES, PLUG, 18 SOCKET		
SIZE: B		FSCM NO: C- AT16-18SX-XXXXXX		REVISION A5
SCALE: NONE		SHEET 1 OF 2		

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE	12JAN2015	JAH	-
A4	-	ADDED RD VERSIONS AND CHART	27AUG2019	JAH	-
A5	-	ADDED SR AND EK02 VERSIONS, COLORS	31OCT2019	JAH	-



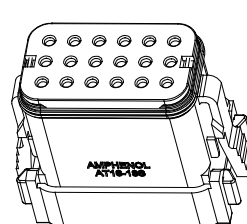
KEY-A CONFIGURATION			
PART NUMBER	SEAL	STRAIN RELIEF	COLOR
AT16-18SA-K004	STD	NO	BLACK
AT16-18SA-K004RD	RD	NO	BLACK
AT16-18SA-EK02	STD	NO	GRAY
AT16-18SA-EK02RD	RD	NO	GRAY
AT16-18SA-SR01	STD	YES	BLACK
AT16-18SA-SR02	RD	YES	BLACK
AT16-18SA-EKSR01	STD	YES	GRAY
AT16-18SA-EKSR02	RD	YES	GRAY

KEY-B CONFIGURATION			
PART NUMBER	SEAL	STRAIN RELIEF	COLOR
AT16-18SB-K004	STD	NO	BLACK
AT16-18SB-K004RD	RD	NO	BLACK
AT16-18SB-SR01	STD	YES	BLACK
AT16-18SB-SR02	RD	YES	BLACK

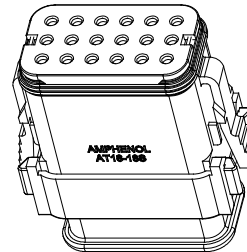
KEY-C CONFIGURATION			
PART NUMBER	SEAL	STRAIN RELIEF	COLOR
AT16-18SC-K004	STD	NO	BLACK
AT16-18SC-K004RD	RD	NO	BLACK
AT16-18SC-EK02	STD	NO	GREEN
AT16-18SC-EK02RD	RD	NO	GREEN
AT16-18SC-SR01	STD	YES	BLACK
AT16-18SC-SR02	RD	YES	BLACK
AT16-18SC-EKSR01	STD	YES	GREEN
AT16-18SC-EKSR02	RD	YES	GREEN

KEY-D CONFIGURATION			
PART NUMBER	SEAL	STRAIN RELIEF	COLOR
AT16-18SD-K004	STD	NO	BLACK
AT16-18SD-K004RD	RD	NO	BLACK
AT16-18SD-EK02	STD	NO	BROWN
AT16-18SD-EK02RD	RD	NO	BROWN
AT16-18SD-SR01	STD	YES	BLACK
AT16-18SD-SR02	RD	YES	BLACK
AT16-18SD-EKSR01	STD	YES	BROWN
AT16-18SD-EKSR02	RD	YES	BROWN

KEY-E CONFIGURATION			
PART NUMBER	SEAL	STRAIN RELIEF	COLOR
AT16-18SE-K004	STD	NO	BLACK
AT16-18SE-K004RD	RD	NO	BLACK
AT16-18SE-EK02	STD	NO	GRAY
AT16-18SE-EK02RD	RD	NO	GRAY
AT16-18SE-SR01	STD	YES	BLACK
AT16-18SE-SR02	RD	YES	BLACK
AT16-18SE-EKSR01	STD	YES	GRAY
AT16-18SE-EKSR02	RD	YES	GRAY



SHOWN WITH
END CAP



SHOWN WITH
STRAIN RELIEF

SEE PIN CHART		PART NUMBER		DESCRIPTION		ITEM
QUANTITY		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		DATE		SINE Systems Corporation A Subsidiary of Amphenol Corporation 44724 Morley Drive Clinton Township, MI 48036 AT SERIES, PLUG, 18 SOCKET
DRAWN: JHEAD		12/17/14		CHECKED:		
ENGINEER:		APPROVAL:		CUSTOMER:		
MATERIAL SPECIFICATIONS:		PROCESS SPECIFICATIONS:		NEXT ASSY:		
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.		SCALE: NONE		SHEET 2 OF 2		REVISION A5 C- AT16-18SX-XXXXXX

TITLE: AT SERIES, PLUG, 18 SOCKET
DWG NO.: C- AT16-18SX-K004XXX
REV: A5
Sht: 2
Of: 2

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	
MF3-3950	Crimp Die - Size 16, 18-20AWG
MF3-3953	Crimp Die - Size 16, 16-18AWG
MF3-3975	Crimp Die - Size 16, 14-16AWG
MF3-3990	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