

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	-
A6	-	UPDATE DRAWING	14FEB2020	ZENIN	TOMMY
A7	-	UPDATE DRAWING	27FEB2020	ZENIN	TOMMY

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).
- 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,E KEYS; * = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

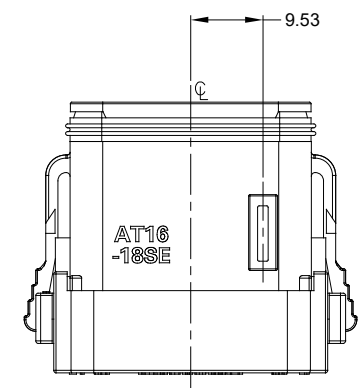
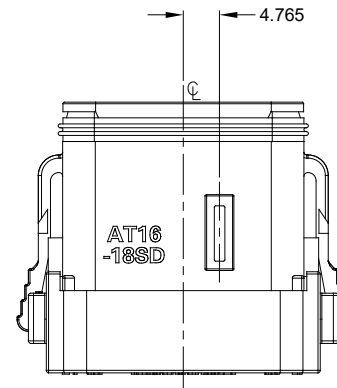
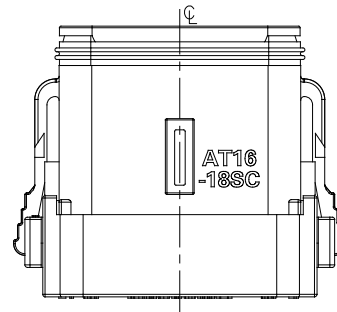
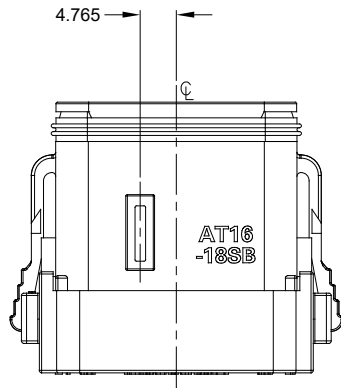
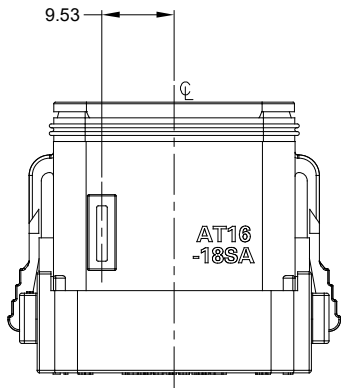
6 CONTACT SIZE AND REAR SEAL WIRE RANGE

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

SEE PIN CHART	DESCRIPTION	ITEM
PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST SINE Systems Corporation A Subsidiary of Amphenol Corporation 44724 Morley Drive Clinton Township, MI 48036 AT SERIES, PLUG, 18 SOCKET		
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 3 PL DEC ±0.08 3) Note reference = \triangle X	SIGNATURES DATE DRAWN: ZENIN,DENG 27FEB20 CHECKED: ORION,LI 27FEB20 ENGINEER: APPROVAL: TOMMY,XIE 27FEB20	SIZE: B FSCM NO.: DWG NO.: C- AT16-18SX-XXXXXX REVISION: A7
MATERIAL SPECIFICATIONS:	CUSTOMER:	SCALE: NONE
PROCESS SPECIFICATIONS:	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.	SHEET 1 OF 2
NEXT ASSY:		

TITLE: AT SERIES PLUG, 18 SOCKET DWG NO.: C- AT16-18SX-4004XX REV: A7 SH: 1 OF: 2

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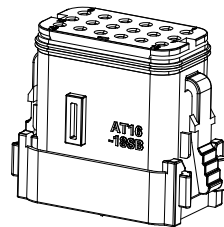
KEY-A CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SA-K004	NO	BLACK
AT16-18SA-EK02	NO	GRAY
AT16-18SA-SR02	YES	BLACK
AT16-18SA-EKSR02	YES	GRAY

KEY-B CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SB-K004	NO	BLACK
AT16-18SB-SR02	YES	BLACK

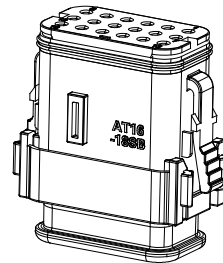
KEY-C CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SC-K004	NO	BLACK
AT16-18SC-EK02	NO	GREEN
AT16-18SC-SR02	YES	BLACK
AT16-18SC-EKSR02	YES	GREEN

KEY-D CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SD-K004	NO	BLACK
AT16-18SD-EK02	NO	BROWN
AT16-18SD-SR02	YES	BLACK
AT16-18SD-EKSR02	YES	BROWN

KEY-E CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SE-K004	NO	BLACK
AT16-18SE-EK02	NO	GRAY
AT16-18SE-SR02	YES	BLACK
AT16-18SE-EKSR02	YES	GRAY



SHOWN WITH END CAP



SHOWN WITH STRAIN RELIEF

SEE PIN CHART		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	MATERIALS LIST		
<small>UNLESS OTHERWISE SPECIFIED</small> 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 PL DEC ±0.08 3) Note reference =				
SIGNATURES		DATE		
DRAWN: ZENIN.DENG		27FEB20		
CHECKED: ORION.LI		27FEB20		
ENGINEER:				
APPROVAL: TOMMY.XIE		27FEB20		
MATERIAL SPECIFICATIONS:		CUSTOMER:		
PROCESS SPECIFICATIONS:		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.		
NEXT ASSY:				
SIZE	FSCM NO.	DWG NO.	REVISION	
B		C- AT16-18SX-XXXXXX	A7	
SCALE	NONE		SHEET	2 OF 2

TITLE: AT SERIES PLUG, 18 SOCKET
 DWG NO: C- AT16-18SX-K004XX
 REV: A7
 SH: 2
 OF: 2