

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:**
 - CURRENT RATING: 13 AMPS
 - OPERATING TEMPERATURE: -55°C TO +125°C
 - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
 - INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
 - MOISTURE RESISTANCE: IP67 (MATED CONDITION)
 - MATING CYCLE DURABILITY: 100 CYCLES
 - 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

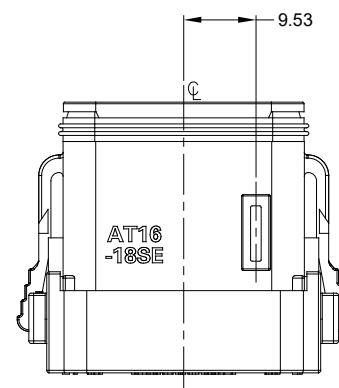
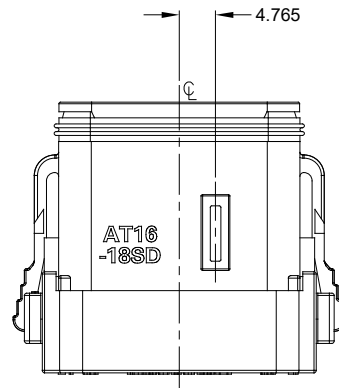
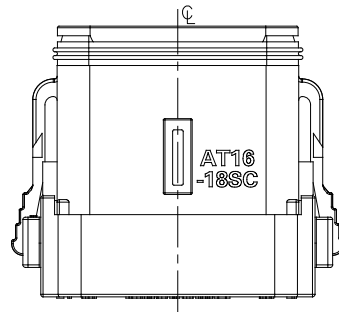
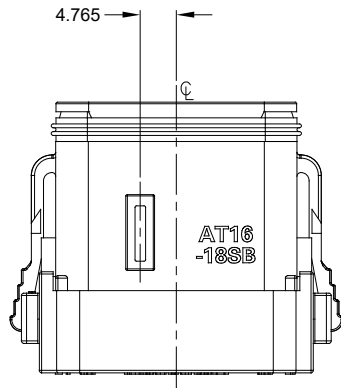
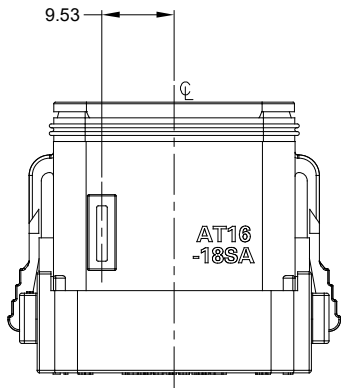
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG

SEE PIN CHART	DESCRIPTION	ITEM
PART NUMBER		

QUANTITY	SIGNATURES			DATE	MATERIALS LIST
UNLESS OTHERWISE SPECIFIED	DRAWN:	ZENIN,DENG	27FEB20		
1) All dimensions are in metric(mm).	CHECKED:	ORION,LI	27FEB20		
2) Tolerances are as follows:	ENGINEER:				
1 PL DEC ±0.30 Fractions ±1/64 2 PL DEC ±0.15 3 PL DEC ±0.08 Angles ±1°	APPROVAL:	TOMMY,XIE	27FEB20		
3) Note reference = X	CUSTOMER:				
MATERIAL 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.				
PROCESS SPECIFICATIONS:	SIZE	FSCM NO.	DWG NO:	REVISION	
NEXT ASSY:	B		C- AT16-18SX-XXXXXX	A7	
	SCALE: NONE				SHEET 1 OF 2

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

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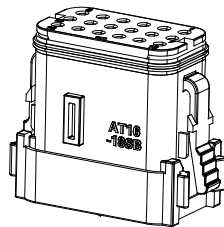
KEY-A CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SA-K004	NO	BLACK
AT16-18SA-EK02	NO	GRAY
AT16-18SA-SR02	YES	BLACK
AT16-18SA-EKSR02	YES	GRAY

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

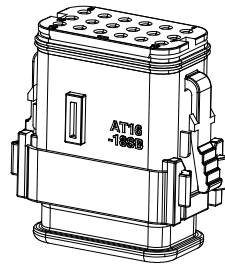
KEY-C CONFIGURATION		
PART NUMBER	STRAIN RELIEF	COLOR
AT16-18SC-K004	NO	BLACK
AT16-18SC-EK02	NO	GREEN
AT16-18SC-SR02	YES	BLACK
AT16-18SC-EKSR02	YES	GREEN

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		
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SIGNATURES		DATE		
DRAWN: ZENIN.DENG		27FEB20		
CHECKED: ORION.LI		27FEB20		
ENGINEER:				
APPROVAL: TOMMY.XIE		27FEB20		
MATERIAL SPECIFICATIONS:		CUSTOMER:		
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NEXT ASSY:		SCALE NONE		

SINE Systems Corporation
 A Subsidiary of Amphenol Corporation
 44724 Morley Drive
 Clinton Township, MI 48036

SIZE	FSCM NO.	DWG NO.	REVISION
B		C- AT16-18SX-XXXXXX	A7
SHEET 2 OF 2			

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

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