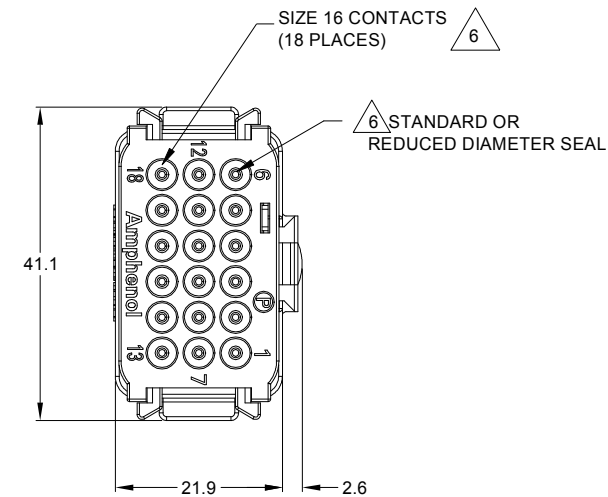
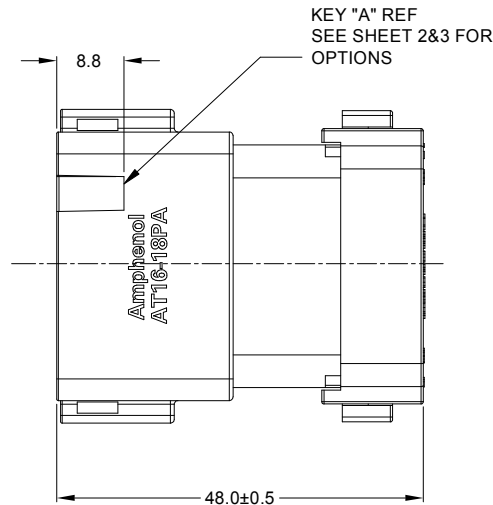
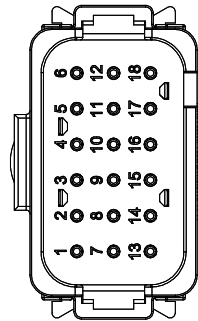
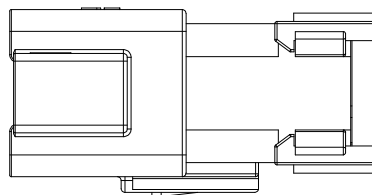


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASE DRAWING	30JUN2020	ZENIN	TOMMY
B2	-	TOTAL LENGTH SHORTEN 1.5mm	12OCT2020	ZENIN	TOMMY



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),
REDUCED DIAMETER SEAL, STANDARD 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:
IP68(1M OF WATER FOR A PERIOD OF 24 HOURS , MATED CONDITION)
IP69K(MATED CONDITION)
3.6 MATING CYCLE DURABILITY: 100 CYCLES
3.7 RoHS COMPLIANT
- MATING PART: AT16-18SX-* PLUG
(X = A,B,C,D,E KEYS; * = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



CONTACT SIZE AND REAR SEAL WIRE RANGE

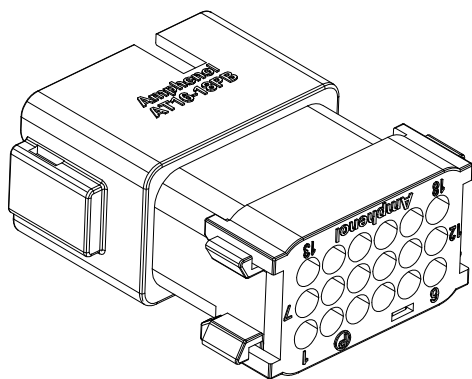
REDUCED DIAMETER SEAL:

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

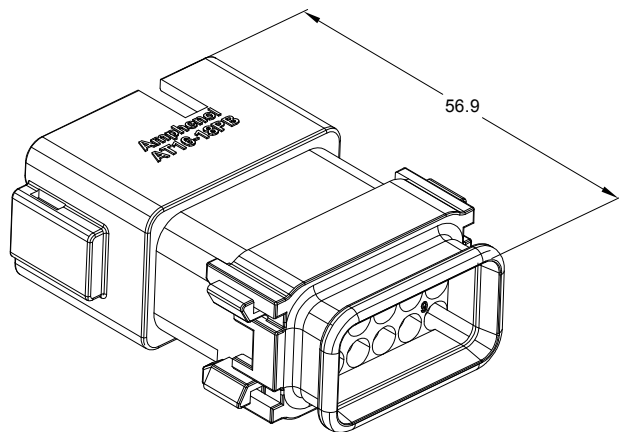
STANDARD SEAL:

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

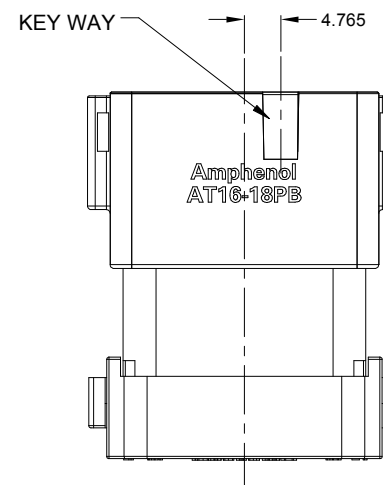
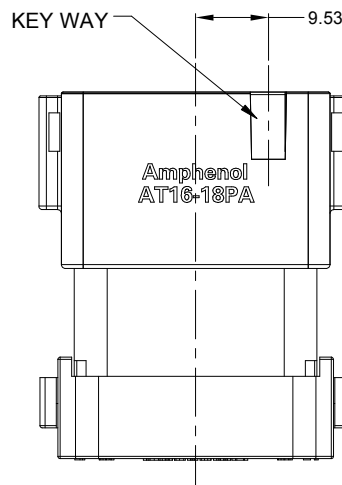
SEE CHART		934447111,934447121,934447131,934447141,934447151, 934447511,934447521,934447531,934447541,934447551		
PART NUMBER		DESCRIPTION		ITEM
QUANTITY	MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 Fractions ±1/64 Angles ±1° 3) Note reference =		SIGNATURES DRAWN: ZENINDENG CHECKED: ORIONLI ENGINEER: APPROVAL: TOMMYXIE CUSTOMER:		DATE 12OCT20 12OCT20 12OCT20
MATERIAL SPECIFICATIONS:		SINE Systems Corporation A Subsidiary of Amphenol Corporation 44724 Morley Drive Clinton Township, MI 48036		
PROCESS SPECIFICATIONS:		18 POSITION RECEPTACLE, PIN,AT SERIES SIZE B C- AT16-18PX-XXXXXX REVISION B2		
NEXT ASSY:		SCALE NONE SHEET 1 OF 3		



SHOWN WITH
END CAP



SHOWN WITH
STRAIN RELIEF



KEY-A CONFIGURATION			
PART NUMBER	STRAIN RELIEF	COLOR	SEAL
AT16-18PA-K004	NO	BLACK	REDUCED DIA.
AT16-18PA-EK02	NO	GRAY	REDUCED DIA.
AT16-18PA-SR02	YES	BLACK	REDUCED DIA.
AT16-18PA-EKSR02	YES	GRAY	REDUCED DIA.
AT16-18PA-K005	NO	BLACK	STANDARD
AT16-18PA-EK03	NO	GRAY	STANDARD
AT16-18PA-SR03	YES	BLACK	STANDARD
AT16-18PA-EKSR03	YES	GRAY	STANDARD

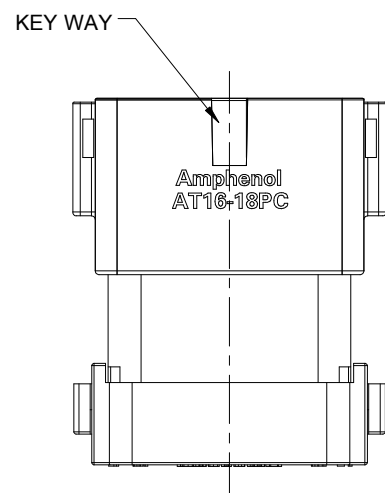
KEY-B CONFIGURATION			
PART NUMBER	STRAIN RELIEF	COLOR	SEAL
AT16-18PB-K004	NO	BLACK	REDUCED DIA.
AT16-18PB-SR02	YES	BLACK	REDUCED DIA.
AT16-18PB-K005	NO	BLACK	STANDARD
AT16-18PB-SR03	YES	BLACK	STANDARD

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASE DRAWING	30JUN2020	ZENIN	TOMMY
B2	-	TOTAL LENGTH SHORTEN 1.5mm	12OCT2020	ZENIN	TOMMY

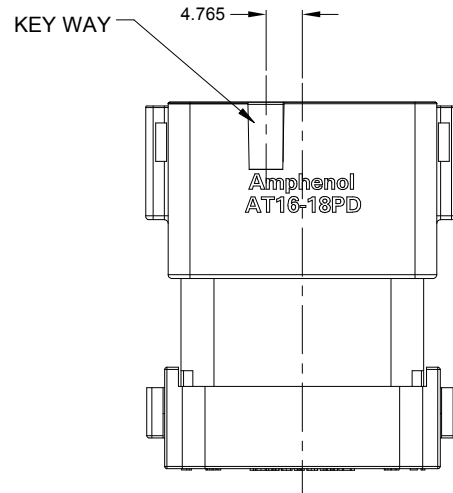
		SEE CHART			
		PART NUMBER		DESCRIPTION	
QUANTITY		MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
1) All dimensions are in metric(mm).		DRAWN: ZENIN,DENG		12OCT20	
2) Tolerances are as follows:		CHECKED: ORIONLI		12OCT20	
1 PL DEC ±0.30		ENGINEER:			
2 PL DEC ±0.15		APPROVAL: TOMMY,XIE		12OCT20	
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:					
PROCESS SPECIFICATIONS:					
NEXT ASSY:					
		SIZE		FSCM NO.	
		B C-		DWG NO.	
				AT16-18PX-XXXXXX	
		SCALE: NONE		SHEET 2 OF 3	
				REVISED BY: B2	

SINE Systems Corporation
A Subsidiary of Amphenol Corporation
44724 Morley Drive
Clinton Township, MI 48036
18 POSITION RECEPTACLE, PIN,AT SERIES

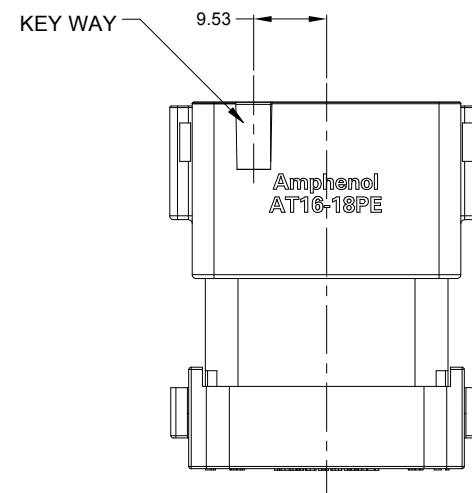
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASE DRAWING	30JUN2020	ZENIN	TOMMY
B2	-	TOTAL LENGTH SHORTEN 1.5mm	12OCT2020	ZENIN	TOMMY



KEY-C CONFIGURATION			
PART NUMBER	STRAIN RELIEF	COLOR	SEAL
AT16-18PC-K004	NO	BLACK	REDUCED DIA.
AT16-18PC-EK02	NO	GREEN	REDUCED DIA.
AT16-18PC-SR02	YES	BLACK	REDUCED DIA.
AT16-18PC-EKSR02	YES	GREEN	REDUCED DIA.
AT16-18PC-K005	NO	BLACK	STANDARD
AT16-18PC-EK03	NO	GREEN	STANDARD
AT16-18PC-SR03	YES	BLACK	STANDARD
AT16-18PC-EKSR03	YES	GREEN	STANDARD



KEY-D CONFIGURATION			
PART NUMBER	STRAIN RELIEF	COLOR	SEAL
AT16-18PD-K004	NO	BLACK	REDUCED DIA.
AT16-18PD-EK02	NO	BROWN	REDUCED DIA.
AT16-18PD-SR02	YES	BLACK	REDUCED DIA.
AT16-18PD-EKSR02	YES	BROWN	REDUCED DIA.
AT16-18PD-K005	NO	BLACK	STANDARD
AT16-18PD-EK03	NO	BROWN	STANDARD
AT16-18PD-SR03	YES	BLACK	STANDARD
AT16-18PD-EKSR03	YES	BROWN	STANDARD



KEY-E CONFIGURATION			
PART NUMBER	STRAIN RELIEF	COLOR	SEAL
AT16-18PE-K004	NO	BLACK	REDUCED DIA.
AT16-18PE-EK02	NO	GRAY	REDUCED DIA.
AT16-18PE-SR02	YES	BLACK	REDUCED DIA.
AT16-18PE-EKSR02	YES	GRAY	REDUCED DIA.
AT16-18PE-K005	NO	BLACK	STANDARD
AT16-18PE-EK03	NO	GRAY	STANDARD
AT16-18PE-SR03	YES	BLACK	STANDARD
AT16-18PE-EKSR03	YES	GRAY	STANDARD

SEE CHART		DESCRIPTION		ITEM
PART NUMBER				
QUANTITY				
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 = Fractions ±1/64 Angles ±1°				
SIGNATURES		DATE		
DRAWN: ZENINDENG		12OCT20		
CHECKED: ORIONLI		12OCT20		
ENGINEER:				
APPROVAL: TOMMYXIE		12OCT20		
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:				
NEXT ASSY:				
SIZE		FSCM NO.		DWG NO.
B C-		AT16-18PX-XXXXXX		REVISION B2
SCALE		NONE		SHEET 3 OF 3