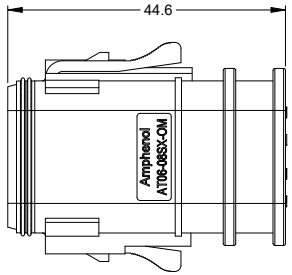
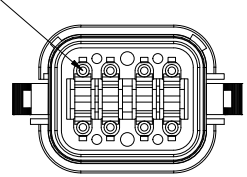
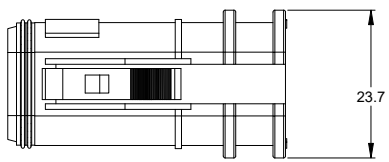
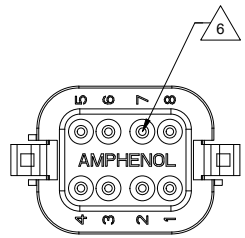
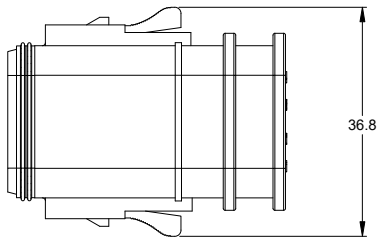
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	5JUL17	JAH	
A2	-	ADDED REDUCED DIAMETER SEAL P/N'S	28JAN19	JAH	
A3	-	REVISED TITLE	14JUN19	JAH	
A4	-	REVISED IP RATINGS TO IP68/IP69	17DEC2025	JAH	DH











NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: PA66 GF15
   SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS
   SEALS: SILICONE RUBBER

2. MODIFICATIONS: FOR OVER MOLDING

3. 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

4. MATING PART: AT04-08P* RECEPTACLE
   (X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

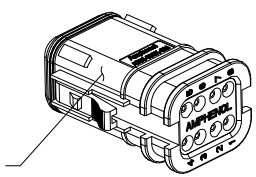
△6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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

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



REFER TO PART NUMBER CHART FOR AVAILABLE CONNECTOR COLORS

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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = △x

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	J. HEAD	5JUL2017
CHECKED:	-	
ENGINEER:		
APPROVAL:	-	
CUSTOMER:		

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Amphenol

Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

STRUCTURE+, OVERMOLD-COMPATIBLE PLUG, 8 SOCKET, AT SERIES

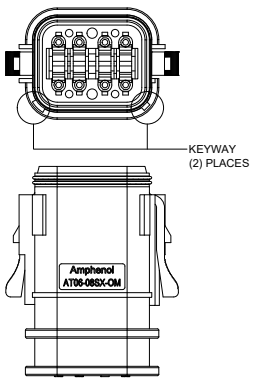
SIZE	TYPE	DWG NO:	REVISION
B	C-	AT06-08SX-OMXXX	A4

SCALE: NONE SHEET 1 OF 2

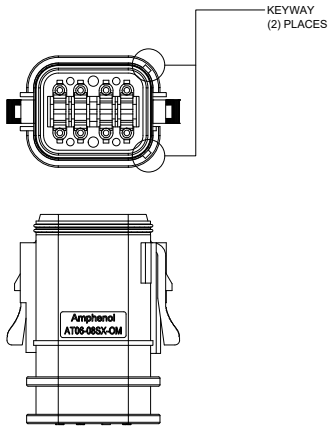
TITLE: STRUCTURE+,OVERMOLD-COMPATIBLE,PLUG, 8 SOCKET,AT
DWG NO: AT06-08SX-OMXXX
REV: A4
SH: 1
OF: 2

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR

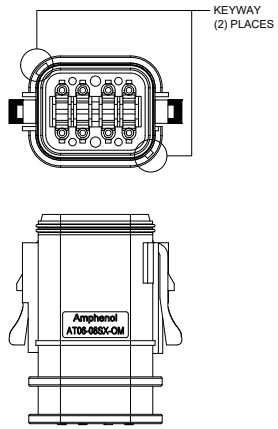
P/N AT06-08SA-OMXXX
KEY-A CONFIGURATION
COLOR: GREY



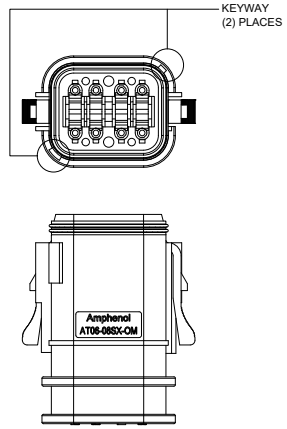
P/N AT06-08SB-OMXXX
KEY-B CONFIGURATION
COLOR: BLACK



P/N AT06-08SC-OMXXX
KEY-C CONFIGURATION
COLOR: GREEN



P/N AT06-08SD-OMXXX
KEY-D CONFIGURATION
COLOR: BROWN



KEY-A CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
*** GREY**	**AT06-08SA-OMGRY**	**AT06-08SA-OMRDGRY**
BLACK	AT06-08SA-OMBLK	AT06-08SA-OMRDBLK
GREEN	AT06-08SA-OMGRN	AT06-08SA-OMRDGRN
BROWN	AT06-08SA-OMBRN	AT06-08SA-OMRDBRN

KEY-B CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	AT06-08SB-OMGRY	AT06-08SB-OMRDGRY
*** BLACK**	**AT06-08SB-OMBLK**	**AT06-08SB-OMRDBLK**
GREEN	AT06-08SB-OMGRN	AT06-08SB-OMRDGRN
BROWN	AT06-08SB-OMBRN	AT06-08SB-OMRDBRN

KEY-C CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	AT06-08SC-OMGRY	AT06-08SC-OMRDGRY
BLACK	AT06-08SC-OMBLK	AT06-08SC-OMRDBLK
*** GREEN**	**AT06-08SC-OMGRN**	**AT06-08SC-OMRDGRN**
BROWN	AT06-08SC-OMBRN	AT06-08SC-OMRDBRN

KEY-D CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	AT06-08SD-OMGRY	AT06-08SD-OMRDGRY
BLACK	AT06-08SD-OMBLK	AT06-08SD-OMRDBLK
GREEN	AT06-08SD-OMGRN	AT06-08SD-OMRDGRN
*** BROWN**	**AT06-08SD-OMBRN**	**AT06-08SD-OMRDBRN**

NOTE:

AN ASTERISKS (*) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

	SEE 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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES	DATE
DRAWN: J. HEAD	5JUL2017
CHECKED: -	
ENGINEER:	
APPROVAL:	
CUSTOMER:	

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44724 Morley Drive
Clinton Township, MI 48036

STRUCTURE+, OVERMOLD-COMPATIBLE
PLUG, 8 SOCKET, AT SERIES

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT06-08SX-OMXXX	A4

SCALE: NONE SHEET 2 OF 2

TITLE: STRUCTURE+,OVERMOLD-COMPATIBLE,PLUG, 8SOCKET,AT
DWG NO: AT06-08SX-OMXXX
REV: A4
SH: 2
OF: 2