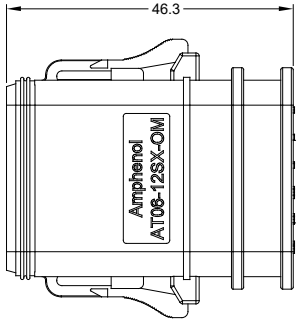
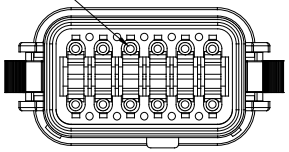
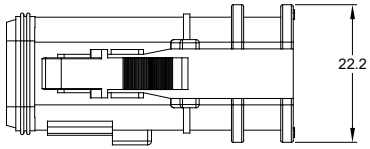
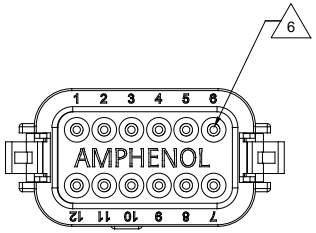
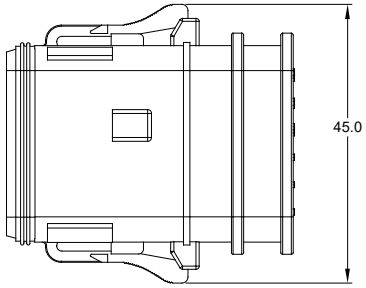
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	5JUL17	JAH	
A2	-	ADDED REDUCED DIAMETER SEAL P/N'S	28JAN19	JAH	
A3	-	REVISED TITLE	14JUN19	JAH	











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: IP67 (MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

4. MATING PART: AT04-12P* RECEPTACLE
   (X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

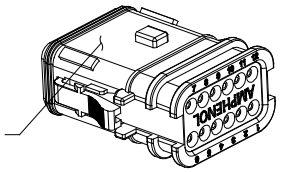
△6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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



	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:		

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.

Amphenol

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

STRUCTURE+, OVERMOLD-COMPATIBLE
PLUG, 12 SOCKET, AT SERIES

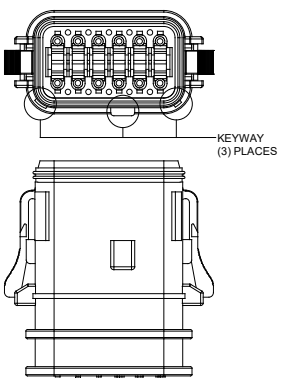
SIZE	TYPE	DWG NO:	REVISION
B	C-	AT06-12SX-OMXXX	A3

SCALE NONE | SHEET 1 OF 2

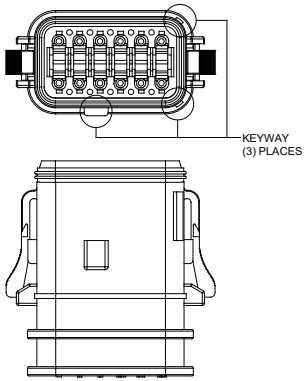
TITLE: STRUCTURE+,OVERMOLD-COMPATIBLE,PLUG,12 SOCKET,AT
DWG NO: AT06-12SX-OMXXX
REV: A3
SH: 1
OF: 2

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	

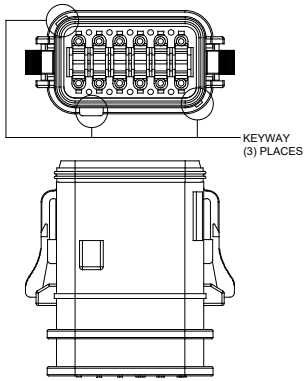
P/N AT06-12SA-OMXXX
KEY-A CONFIGURATION
COLOR: GREY



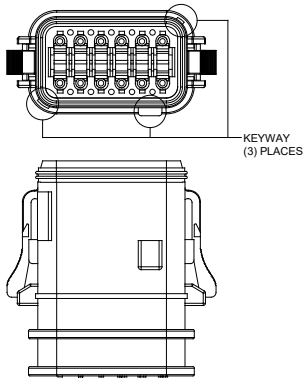
P/N AT06-12SB-OMXXX
KEY-B CONFIGURATION
COLOR: BLACK



P/N AT06-12SC-OMXXX
KEY-C CONFIGURATION
COLOR: GREEN



P/N AT06-12SD-OMXXX
KEY-D CONFIGURATION
COLOR: BROWN



KEY-A CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
* **GREY**	**AT06-12SA-OMGRY**	**AT06-12SA-OMRDGRY**
BLACK	AT06-12SA-OMBLK	AT06-12SA-OMRDBLK
GREEN	AT06-12SA-OMGRN	AT06-12SA-OMRDGRN
BROWN	AT06-12SA-OMBRN	AT06-12SA-OMRDBRN

KEY-B CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	AT06-12SB-OMGRY	AT06-12SB-OMRDGRY
* **BLACK**	**AT06-12SB-OMBLK**	**AT06-12SB-OMRDBLK**
GREEN	AT06-12SB-OMGRN	AT06-12SB-OMRDGRN
BROWN	AT06-12SB-OMBRN	AT06-12SB-OMRDBRN

KEY-C CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	AT06-12SC-OMGRY	AT06-12SC-OMRDGRY
BLACK	AT06-12SC-OMBLK	AT06-12SC-OMRDBLK
* **GREEN**	**AT06-12SC-OMGRN**	**AT06-12SC-OMRDGRN**
BROWN	AT06-12SC-OMBRN	AT06-12SC-OMRDBRN

KEY-D CONFIGURATION		
COLOR	P/N W/ STD SEAL	P/N W/ RD SEAL
GREY	AT06-12SD-OMGRY	AT06-12SD-OMRDGRY
BLACK	AT06-12SD-OMBLK	AT06-12SD-OMRDBLK
GREEN	AT06-12SD-OMGRN	AT06-12SD-OMRDGRN
* **BROWN**	**AT06-12SD-OMBRN**	**AT06-12SD-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 ASSY:

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

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

STRUCTURE+, OVERMOLD-COMPATIBLE
PLUG, 12 SOCKET, AT SERIES

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT06-12SX-OMXXX	A3

SCALE: NONE SHEET 2 OF 2

TITLE: STRUCTURE+,OVERMOLD-COMPATIBLE PLUG, 12 SOCKET,AT
DWG NO: AT06-12SX-OMXXX
REV: A3
SH: 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	
MFX-3950	Crimp Die - Size 16, 18-20AWG
MFX-3953	Crimp Die - Size 16, 16-18AWG
MFX-3975	Crimp Die - Size 16, 14-16AWG
MFX-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