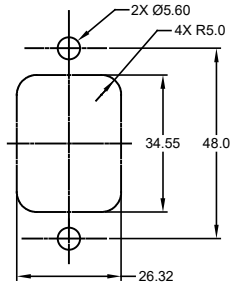
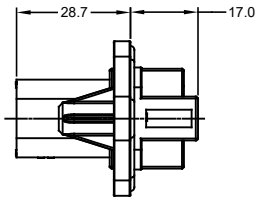
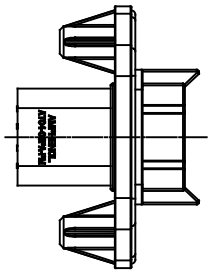
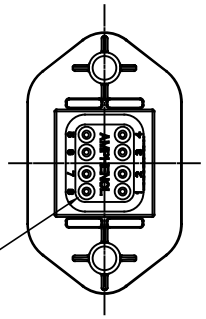
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	29JUN15	JAH	
A2	-	UPDATE APPEARANCE	20APR16	JARRY	TOMMY
A3	-	ADDED -15 & -16 OPTIONS ADDED COLORS TO NOTE #1	23MAR18	JAH	



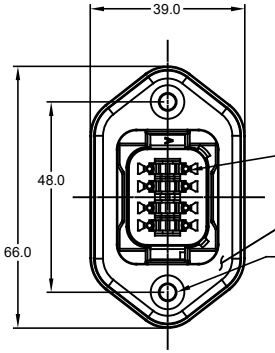
MOUNTING PLATE SIZE







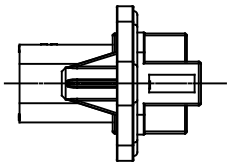
△6 STANDARD OR
REDUCED DIAMETER SEAL

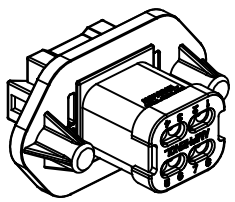


REQUIRES CONTACT
RETENTION WEDGE AW8P

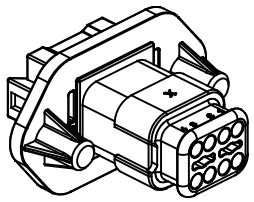
GASKET

2X Ø4.0, 16.4 DP FROM MATING SURFACE
RECOMMENDED ATTACHMENT OPTIONS:
1. HEX WASHER HEAD SHEETMETAL SCREW,
#10, 1/2" LONG, HEX SIZE 5/16".
2. SELF THREAD SCREW FOR PLASTIC SUCH AS ST 4.8





SHOWN WITH
END CAP



SHOWN WITH
STRAIN RELIEF

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; COLOR: PER KEY OPTION
   END CAP: THERMOPLASTIC; COLOR: BLACK
   STRAIN RELIEF CAP: THERMOPLASTIC; COLOR: BLACK
   SEALS: SILICONE RUBBER; COLOR: RED

2. MODIFICATIONS: FLANGE, GASKET, END CAP (OPT), STRAIN RELIEF CAP (OPT), REDUCED DIAMETER SEAL (OPT).

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: AT06-08SX* PLUG
   (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

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 SHEET 2 FOR KEYS		
	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 = △

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES		DATE
DRAWN:	J. HEAD	14JUL15
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

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Amphenol

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

RECEPTACLE, 8 PIN, AT SERIES,
W/FLANGE

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-08PX-PMXX	A3

SCALE: NONE SHEET 1 OF 2

TITLE: RECEPTACLE, 8 PIN, AT SERIES, W/FLANGE
DWG NO: AT04-08PX-PMXX
REV: A3
SH: 1
OF: 2

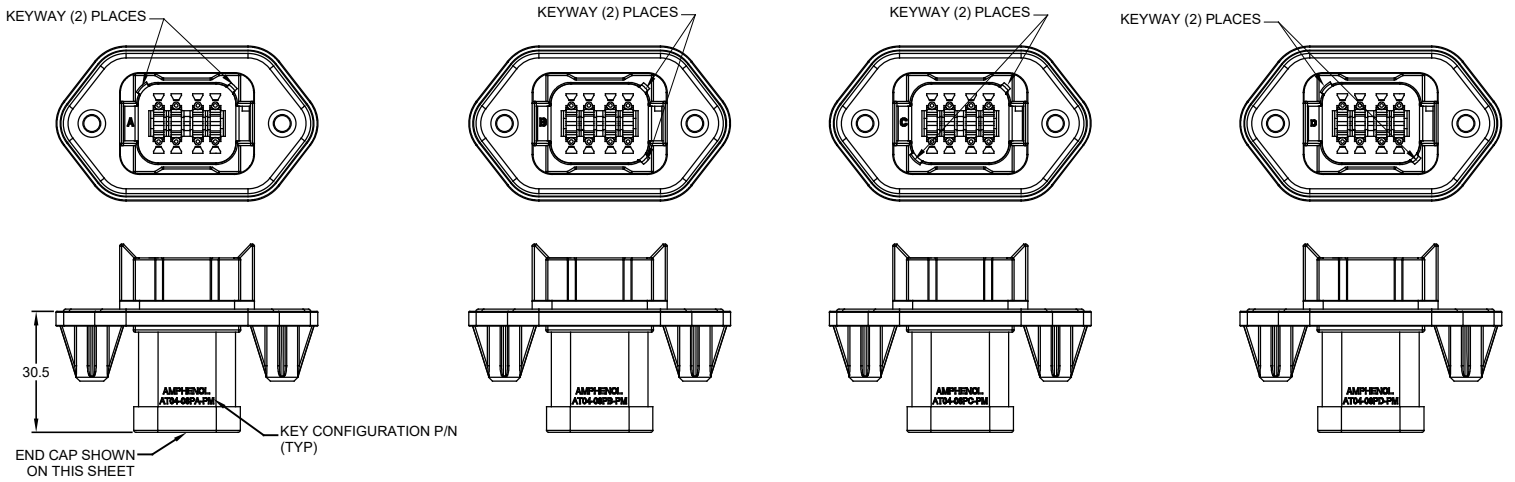
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	14JUL15	JAH	
A2	-	UPDATE APPEARANCE	20APR16	JARRY	TOMMY
A3	-	ADDED -15 & -16 OPTIONS ADDED COLORS TO NOTE #1	23MAR18	JAH	

P/N AT04-08PA-PMXX
KEY-A CONFIGURATION
STANDARD HOUSING COLOR: GREY

P/N AT04-08PB-PMXX
KEY-B CONFIGURATION
STANDARD HOUSING COLOR: BLACK

P/N AT04-08PC-PMXX
KEY-C CONFIGURATION
STANDARD HOUSING COLOR: GREEN

P/N AT04-08PD-PMXX
KEY-D CONFIGURATION
STANDARD HOUSING COLOR: BROWN



KEY-A CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-08PA-PM11	STANDARD	NO	NO
AT04-08PA-PM12	REDUCED DIA.	NO	NO
AT04-08PA-PM13	STANDARD	YES	NO
AT04-08PA-PM14	REDUCED DIA.	YES	NO
AT04-08PA-PM15	STANDARD	NO	YES
AT04-08PA-PM16	REDUCED DIA.	NO	YES

KEY-B CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-08PB-PM11	STANDARD	NO	NO
AT04-08PB-PM12	REDUCED DIA.	NO	NO
AT04-08PB-PM13	STANDARD	YES	NO
AT04-08PB-PM14	REDUCED DIA.	YES	NO
AT04-08PB-PM15	STANDARD	NO	YES
AT04-08PB-PM16	REDUCED DIA.	NO	YES

KEY-C CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-08PC-PM11	STANDARD	NO	NO
AT04-08PC-PM12	REDUCED DIA.	NO	NO
AT04-08PC-PM13	STANDARD	YES	NO
AT04-08PC-PM14	REDUCED DIA.	YES	NO
AT04-08PC-PM15	STANDARD	NO	YES
AT04-08PC-PM16	REDUCED DIA.	NO	YES

KEY-D CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-08PD-PM11	STANDARD	NO	NO
AT04-08PD-PM12	REDUCED DIA.	NO	NO
AT04-08PD-PM13	STANDARD	YES	NO
AT04-08PD-PM14	REDUCED DIA.	YES	NO
AT04-08PD-PM15	STANDARD	NO	YES
AT04-08PD-PM16	REDUCED DIA.	NO	YES

QUANTITY	PART NUMBER	DESCRIPTION	ITEM

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	14JUL15
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

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44724 Morley Drive
Clinton Township, MI 48036

RECEPTACLE, 8 PIN, AT SERIES, W/FLANGE

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-08PX-PMXX	A3

SCALE: NONE SHEET 2 OF 2

TITLE: RECEPTACLE, 8 PIN, AT SERIES, W/FLANGE
DWG NO: AT04-08PX-PMXX
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