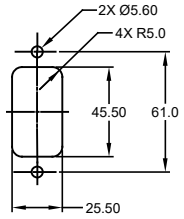
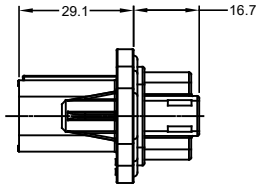
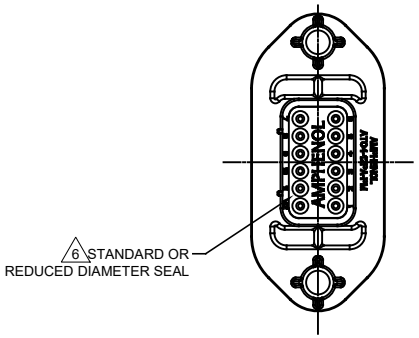
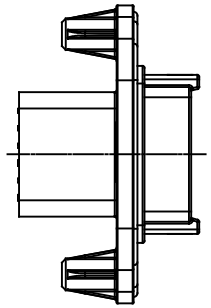
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	14JUL15	JAH	
A2	-	UPDATE	27OCT15	JARRY	TOMMY
A3	-	ADDED -15 & -16 OPTIONS ADDED COLORS TO NOTE #1	23MAR18	JAH	
A4	-	CORRECTED DIMS	01OCT18	JAH	

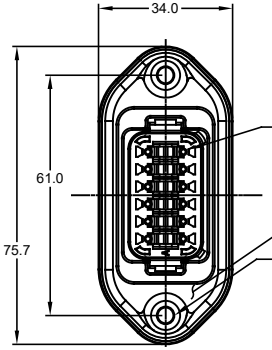


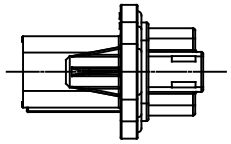
MOUNTING PLATE SIZE

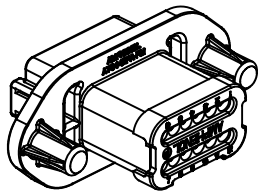




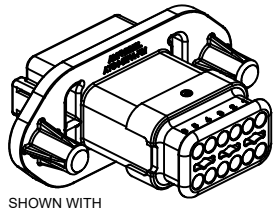








SHOWN WITH
END CAP



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: AT06-12SX* 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 = A

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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, 12 PIN, AT SERIES, W/FLANGE

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-12PX-PMXX	A4

SCALE: NONE SHEET 1 OF 2

TITLE: RECEPTACLE, 12 PIN, AT SERIES, W/FLANGE
DWG NO: AT04-12PX-PMXX
REV: A4
SH: 1
OF: 2

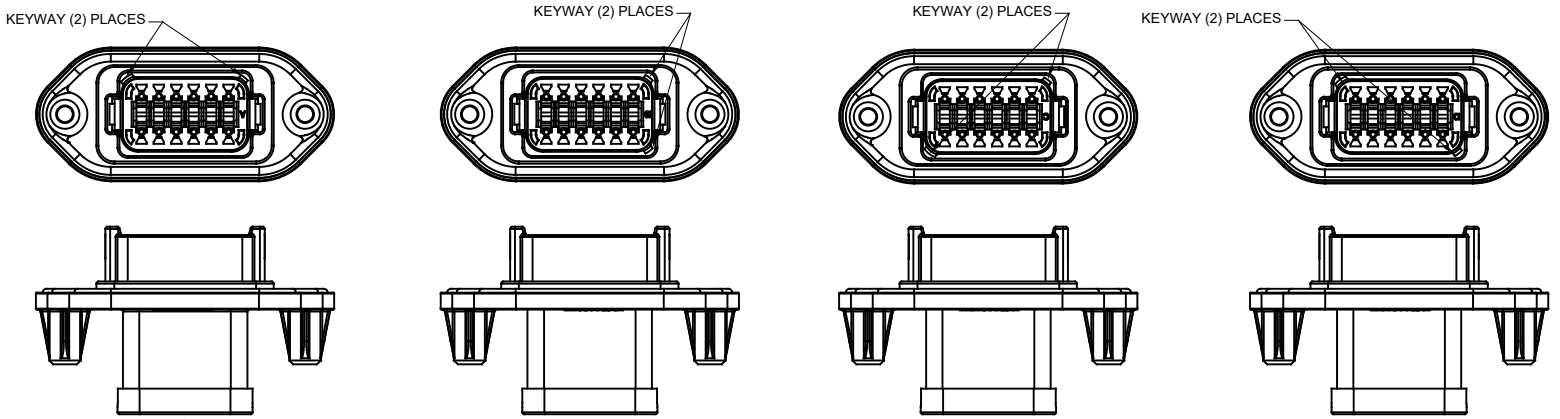
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	14JUL15	JAH	
A2	-	UPDATE	27OCT15	JARRY	TOMMY
A3	-	ADDED -15 & -16 OPTIONS ADDED COLORS TO NOTE #1	23MAR18	JAH	
A4	-	CORRECTED DIMS	01OCT18	JAH	

P/N AT04-12PA-PMXX
KEY-A CONFIGURATION
STANDARD HOUSING COLOR: GREY

P/N AT04-12PB-PMXX
KEY-B CONFIGURATION
STANDARD HOUSING COLOR: BLACK

P/N AT04-12PC-PMXX
KEY-C CONFIGURATION
STANDARD HOUSING COLOR: GREEN

P/N AT04-12PD-PMXX
KEY-D CONFIGURATION
STANDARD HOUSING COLOR: BROWN

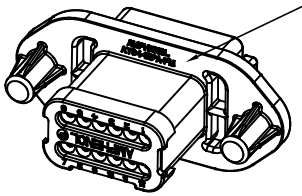


KEY-A CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-12PA-PM11	STANDARD	NO	NO
AT04-12PA-PM12	REDUCED DIA.	NO	NO
AT04-12PA-PM13	STANDARD	YES	NO
AT04-12PA-PM14	REDUCED DIA.	YES	NO
AT04-12PA-PM15	STANDARD	NO	YES
AT04-12PA-PM16	REDUCED DIA.	NO	YES

KEY-B CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-12PB-PM11	STANDARD	NO	NO
AT04-12PB-PM12	REDUCED DIA.	NO	NO
AT04-12PB-PM13	STANDARD	YES	NO
AT04-12PB-PM14	REDUCED DIA.	YES	NO
AT04-12PB-PM15	STANDARD	NO	YES
AT04-12PB-PM16	REDUCED DIA.	NO	YES

KEY-C CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-12PC-PM11	STANDARD	NO	NO
AT04-12PC-PM12	REDUCED DIA.	NO	NO
AT04-12PC-PM13	STANDARD	YES	NO
AT04-12PC-PM14	REDUCED DIA.	YES	NO
AT04-12PC-PM15	STANDARD	NO	YES
AT04-12PC-PM16	REDUCED DIA.	NO	YES

KEY-D CONFIGURATION			
PART NUMBER	SEAL	END CAP	STRAIN RELIEF
AT04-12PD-PM11	STANDARD	NO	NO
AT04-12PD-PM12	REDUCED DIA.	NO	NO
AT04-12PD-PM13	STANDARD	YES	NO
AT04-12PD-PM14	REDUCED DIA.	YES	NO
AT04-12PD-PM15	STANDARD	NO	YES
AT04-12PD-PM16	REDUCED DIA.	NO	YES



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 = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

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

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Amphenol

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44724 Morley Drive
Clinton Township, MI 48036

RECEPTACLE, 12 PIN, AT SERIES, W/FLANGE

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-12PX-PMXX	A4

SCALE: NONE SHEET 2 OF 2

TITLE: RECEPTACLE, 12 PIN, AT SERIES, W/FLANGE
DWG NO: AT04-12PX-PMXX
REV: A4
SH: 2
OF: 2

AT Series™ - Contact Size 16 Options

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	**Part Number**	**Description**
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)
	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)

Contact Removal Tools		
Part	**Part Number**	**Description**
	ATRT-100	Used for removal of contacts for A Series™ products
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16
	A114017	Sealing Plug, Size 16, White

Stamped & Formed Contacts, Sockets & Pins				
Part Number	**Description**	**Size**	**AWG**	**Type**
AT60-14-0144	Male Contact - Pin, Gold-plated	16	14-16	Stamped & Formed
AT62-14-0144	Female Contact - Socket, Gold-plated	16	14-16	Stamped & Formed
AT60-14-0122	Male Contact - Pin, Nickel-plated	16	14-16	Stamped & Formed
AT62-14-0122	Female Contact - Socket, Nickel-plated	16	14-16	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
AT60-16-0122	Male Contact - Pin, Nickel-plated	16	16-18	Stamped & Formed
AT62-16-0122	Female Contact - Socket, Nickel-plated	16	16-18	Stamped & Formed
AT60-16-0644	Male Contact - Pin, Gold-plated	16	18-20	Stamped & Formed
AT62-16-0644	Female Contact - Socket, Gold-plated	16	18-20	Stamped & Formed
AT60-16-0622	Male Contact - Pin, Nickel-plated	16	18-20	Stamped & Formed
AT62-16-0622	Female Contact - Socket, Nickel-plated	16	18-20	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
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

Tooling - Stamped & Formed Contacts		
Part	**Part Number**	**Description**
	MFX-3950	Crimp Die - Size 16, 18-20AWG (S&F contacts only)
	MFX-3953	Crimp Die - Size 16, 16-18AWG (S&F contacts only)
	MFX-3975	Crimp Die - Size 16, 14-16AWG (S&F contacts only)
	MFX-3990	Crimp Die - Size 16, 20-22AWG (S&F contacts only)
	ATT-16-00	Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only)
	ATT-16-01	Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only)
	ATT-1612-03	Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only)

Amphenol Sine Systems
44724 Morley Drive
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09/2021