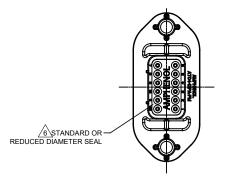


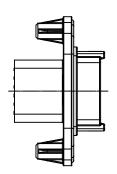
	REVISIONS							
REV	ECO	DESCRIPTION DATE BY A						
A1	-	RELEASE	14JUL15	JAH				
A2	-	UPDATE	27OCT15	JARRY	TOMMY			
A3	1	ADDED -15 & -16 OPTIONS ADDED COLORS TO NOTE #1	23MAR18	JAH				
A4	-	CORRECTED DIMS	01OCT18	JAH				

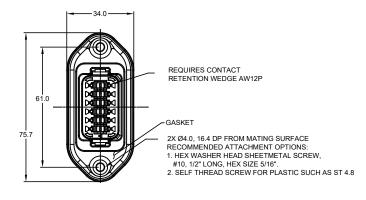
RECEPTACLE, 12 PIN, AT SERIES, W/FLANGE

AT04-12PX-PMXX

REV: A4 SH: 1







#### NOTES: UNLESS OTHERWISE SPECIFIED

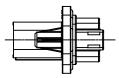
### 1. MATERIAL:

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.



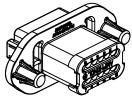


## REDUCED DIAMETER SEAL:

CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL		
SIZE	O.D.	O.D.	WIRE RANGE		
16	1.35 mm (.053 in)	3.05 mm (.120 in)			

STANDARD SEAL:

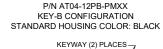
CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL
SIZE	O.D.	O.D.	WIRE RANGE
16	2.24 mm (.088 in)	3.68 mm (.145 in)	14 - 20 AWG





		LIND O/II							⊢
	SEE SHEET	2 FOR KEYS							1
	PART N	IUMBER			DE	SCRIPTION		ITEM	] •
QUANTITY		MA	TER	IALS	3 LI	ST			H
UNLESS OTHER	WISE SPECIFIED	SIGNATUR	S DAT	=		mnha	<u> </u>	ī	1
2) Tolerances are a 1 PL DEC ±0.30		ollows: DRAWN: J. HEAD 14JUL		5	_	$\mathbf{Amphe}$	<del>2</del> 110	• ]	l
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:			S	ine Systems - www.amphe	nol-sine.com		ı
3) Note reference	= <u>X</u>	ENGINEER:				44724 Morley Drive Clinton Township, MI 48	noe		l
MATERIAL SPECIFICA	TIONS:	APPROVAL:		-		Cilitori Township, Ivii 40	0000		ł
		CUSTOMER:		7	RECI	EPTACLE, 12 PIN,	AT SERIES	S,	l
			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		W/FLANGE				l
PROCESS SPECIFICA	TIONS:	SPECIFICATIONS AND PE SHOWN HEREON ARE TH THE AMPHENOL CORPOR OF REPRODUCTION ARE			C-	AT04-12PX	PMXX	A4	
NEXT ASSY:		MANUFACTURING VARIA	TIONS.	SCALE: N	IONE		SHEET 1	of 2	1

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

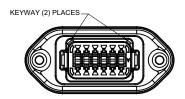


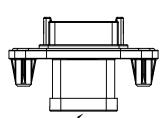
P/N AT04-12PC-PMXX KEY-C CONFIGURATION STANDARD HOUSING COLOR: GREEN

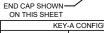
KEYWAY (2) PLACES

	REVISIONS						
REV	ECO	DESCRIPTION DATE BY A					
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			

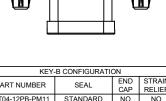
P/N AT04-12PD-PMXX KEY-D CONFIGURATION STANDARD HOUSING COLOR: BROWN



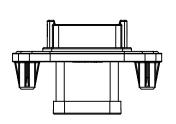




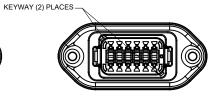
KEY-A CONFIGURATION						
PART NUMBER	SEAL	END CAP	STRAIN RELIEF			
AT04-12PA-PM11	STANDARD	NO	NO			
AT04-12PA-PM12	REDUCED DIA.	NO	NO			
AT04-12PA-PM13	STANDARD	YES	NO			
AT04-12PA-PM14	REDUCED DIA.	YES	NO			
AT04-12PA-PM15	STANDARD	NO	YES			
AT04-12PA-PM16	REDUCED DIA.	NO	YES			

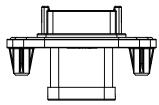


KEY-B CONFIGURATION						
PART NUMBER	SEAL	END	STRAIN			
I AKT NOWDER	OLAL	CAP	RELIEF			
AT04-12PB-PM11	STANDARD	NO	NO			
AT04-12PB-PM12	REDUCED DIA.	NO	NO			
AT04-12PB-PM13	STANDARD	YES	NO			
AT04-12PB-PM14	REDUCED DIA.	YES	NO			
AT04-12PB-PM15	STANDARD	NO	YES			
AT04-12PB-PM16	REDUCED DIA.	NO	YES			



KEY-C CONFIGURATION						
PART NUMBER	SEAL	END	STRAIN			
TAINT NOMBER	OLAL	CAP	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			
	-					

– LOGO AND P/N A-KEYED P/N:AT04-12PA-PM B-KEYED P/N:AT04-12PB-PM C-KEYED P/N:AT04-12PC-PM D-KEYED P/N:AT04-12PD-PM

	PART N	IUMBER				DE	SCRIPTION				ITEM
QUANTITY		MATERIALS LIST									
UNLESS OTHER		SIGNATU	RES	DATE			<u> </u>	h	<u> </u>	$\overline{}$	
Tolerances are a     PL DEC +0.30		DRAWN: J. HE	AD	14JUL15			<b>Amp</b>	116	<b>)</b>	$\mathbf{O}$	
2 PL DEC ±0.15 3 PL DEC ±0.08	Angles ±1°	CHECKED:			Sine Systems - www.amphenol-sine.com 44724 Morley Drive						
3) Note reference	= <b>X</b>	ENGINEER:									
MATERIAL SPECIFICA	TIONS:	APPROVAL:					Clinton Towns	hip, MI 48	3036		
mercrone or eon ion	norto.	CUSTOMER:				RECE	EPTACLE, 12	,	AT SE	RIES,	
		THIS DRAWING IS SUF					W/FL	ANGE			
PROCESS SPECIFICATIONS: SPECIFICATIONS AND PERFORM THE THE P THE AMPHENOL CORPORAT OF REPRODUCTION ARE IMP DIMENSIONS ARE SILE LETT.		PERFOR THE PROPORATION RE IMPLI	RMANCE DATA OPERTY OF N. NO RIGHTS IED. ALL	B	C-	AT04-	12PX	-PM>	ίX	A	
NEXT ASS'Y:			MENSIONS ARE SUBJECT TO NORMAL ANUFACTURING VARIATIONS.		SCALE: N	ONE			SHEET	2 0	€ 2

RECEPTACLE, 12 PIN, AT SERIES, WIFLANGE

2

AT04-12PX-PMXX REV: A4 SH: 2

9

# **AT Series™** - Contact Size 16 Options

Machined Contacts, Sockets & Pins						
Part Number	Description	Size	AWG	Туре		
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 Mac			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)					
5	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		
4	A114017	Sealing Plug, Size 16, White		

Stamped & Formed Contacts, Sockets & Pins						
Part Number	Description		AWG	Type		
AT60-14-0144	Male Contact - Pin, Gold-plated		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	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 Clinton Township, MI 48036 USA www.amphenol-sine.com 09/2021