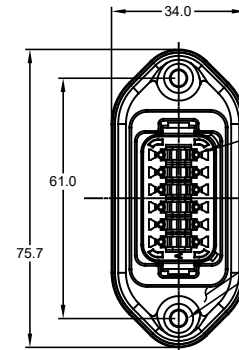
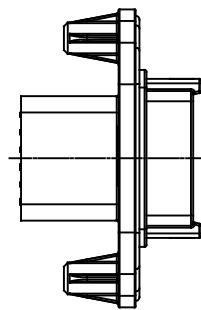


REVISIONS

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	



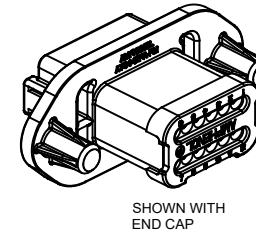
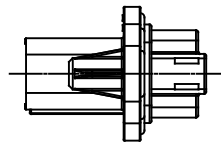
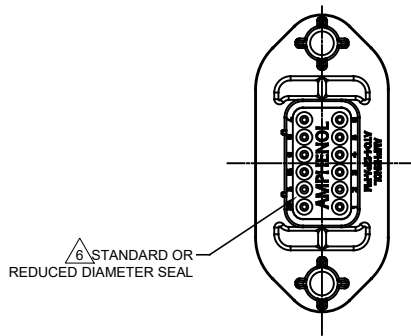
MOUNTING PLATE SIZE



REQUIRES CONTACT RETENTION WEDGE AW12P

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

- MATERIAL:
HOUSING: THERMOPLASTIC; COLOR: PER KEY OPTION
END CAP: THERMOPLASTIC; COLOR: BLACK
STRAIN RELIEF CAP: THERMOPLASTIC; COLOR: BLACK
SEALS: SILICONE RUBBER; COLOR: RED
- MODIFICATIONS: FLANGE, GASKET, END CAP (OPT), STRAIN RELIEF CAP (OPT), REDUCED DIAMETER SEAL (OPT).
- 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
- MATING PART: AT06-12SX* PLUG
(X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

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 3) Note reference =		SIGNATURES		DATE		<p>Amphenol</p> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> <p>RECEPTACLE, 12 PIN, AT SERIES, W/FLANGE</p>
MATERIAL SPECIFICATIONS:		DRAWN: J. HEAD		14JUL15		
PROCESS SPECIFICATIONS:		CHECKED:				
NEXT ASSY:		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.		SCALE: NONE		REVISION: A4

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



END CAP SHOWN
ON THIS SHEET

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



QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
<small>UNLESS OTHERWISE SPECIFIED</small> 1) All dimensions are in metric (mm) 2) Tolerances are as follows: 1 PL DEC ±0.30 F fractions ±1/64 2 PL DEC ±0.15 Angles ±1° 3 PL DEC ±0.08		SIGNATURES DATE DRAWN: J HEAD 14JUL15 CHECKED: ENGINEER: APPROVAL:	
MATERIAL SPECIFICATIONS:		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
PROCESS SPECIFICATIONS:		CUSTOMER: RECEPTACLE, 12 PIN, AT SERIES, W/FLANGE 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.	
NEXT ASSY:		SIZE: B C- TYPE: AT04-12PX-PMXX REVISION: 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
 Clinton Township, MI 48036 USA
www.amphenol-sine.com
 09/2021

Mouser Electronics

Authorized Distributor

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