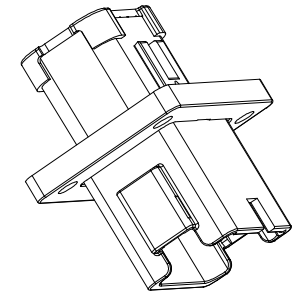
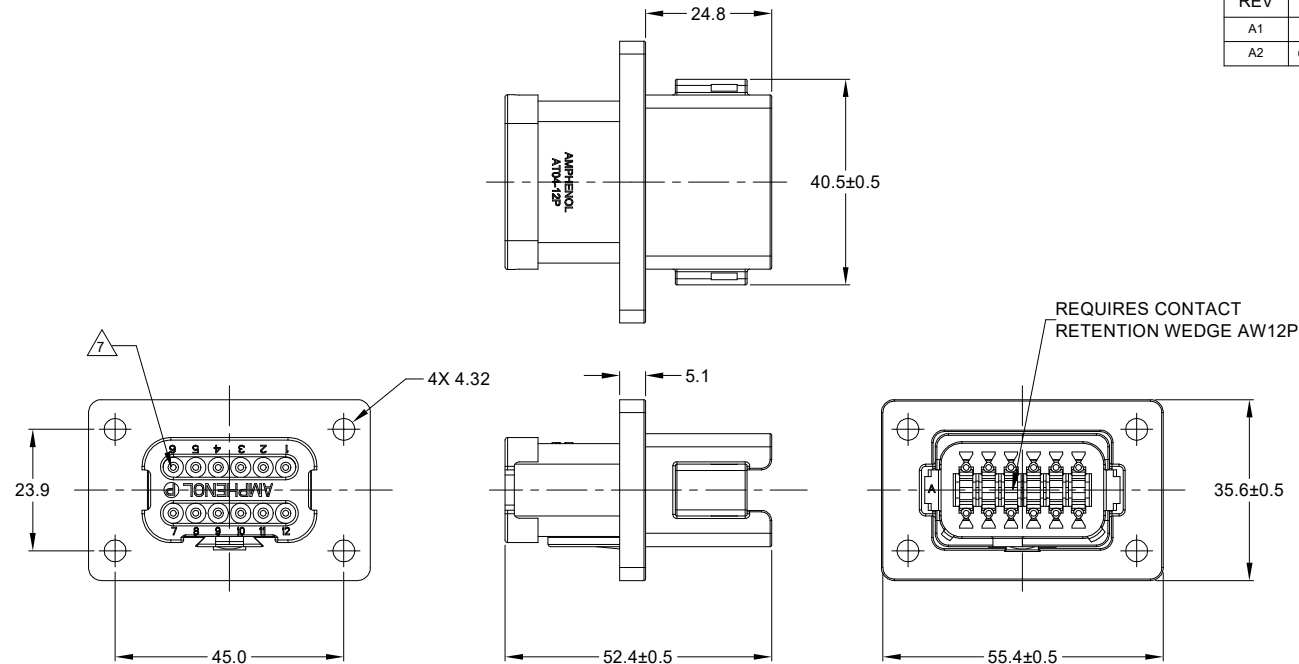


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	30/NOV/18	BROOK	TOMMY
A2	C1403S	UPDATE THE APPEARANCE	11/NOV/21	LOUIE	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER

3. MODIFICATIONS: FLANGE, END CAP

4. SPECIFICATIONS:
4.1 CURRENT RATING: 13 AMPS
4.2 OPERATING TEMPERATURE: -55°C TO +125°C.
4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
4.5 MOISTURE RESISTANCE: IP69K&IP68 (1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)
4.6 MATING CYCLE DURABILITY: 100 CYCLES
4.7 RoHS COMPLIANT

5. MATING PART: AT06-12SX* PLUG.
(X=A,B,C,D KEYS, * = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

7. CONTACT SIZE AND REAR SEAL WIRE RANGE:

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		REF: DT04-12PA-BL05, DT04-12PB-BL05, DT04-12PC-BL05, DT04-12PD-BL05	
PART NUMBER		DESCRIPTION	
QUANTITY		ITEM	
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 DRAWN: LOUIE 11/NOV/21 CHECKED: ORION 12/NOV/21 ENGINEER: APPROVAL: TOMMY 15/NOV/21	
MATERIAL SPECIFICATIONS:		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
WEIGHT:28.9g		12P RECEPTACLE,FLANGE MOUNT,ENHANCE KEY,END CAP	
PROCESS SPECIFICATIONS:		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- SCALE NONE DWG NO. AT04-12PX-BL05 REVISION A2 SHEET 1 OF 3	

Amphenol

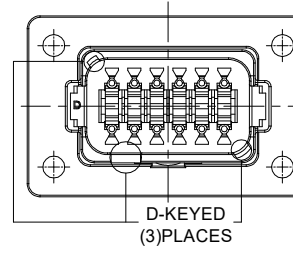
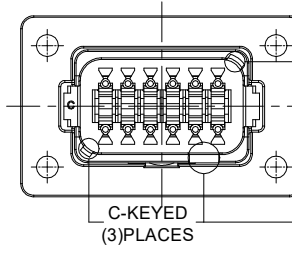
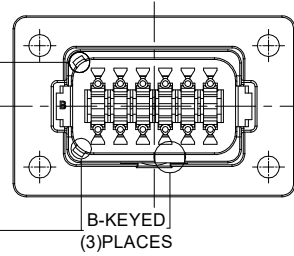
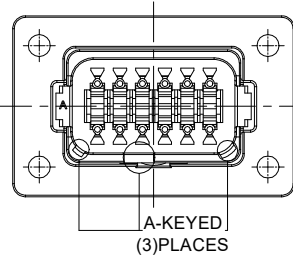
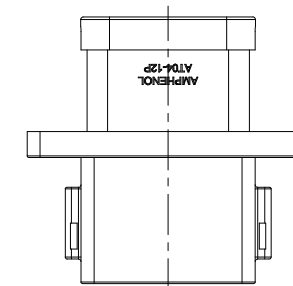
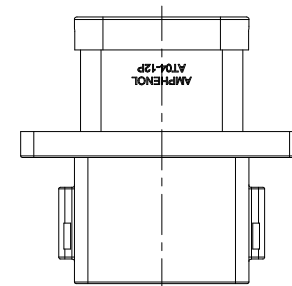
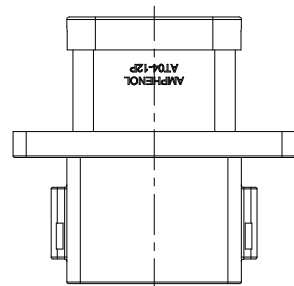
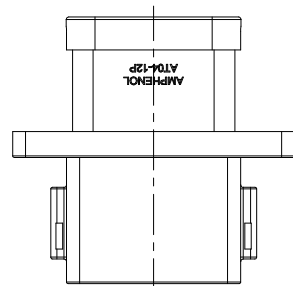
Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

12P RECEPTACLE,FLANGE MOUNT,ENHANCE KEY,END CAP

SIZE B C- DWG NO: AT04-12PX-BL05 REVISION A2

SHEET 1 OF 3

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	30/NOV/18	BROOK	TOMMY
A2	C1403S	UPDATE THE APPEARANCE	11/NOV/21	LOUIE	TOMMY



KEY-A CONFIGURATION	
COLOR	PART NUMBER
GREY	AT04-12PA-BL05

KEY-B CONFIGURATION	
COLOR	PART NUMBER
BLACK	AT04-12PB-BL05

KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREEN	AT04-12PC-BL05

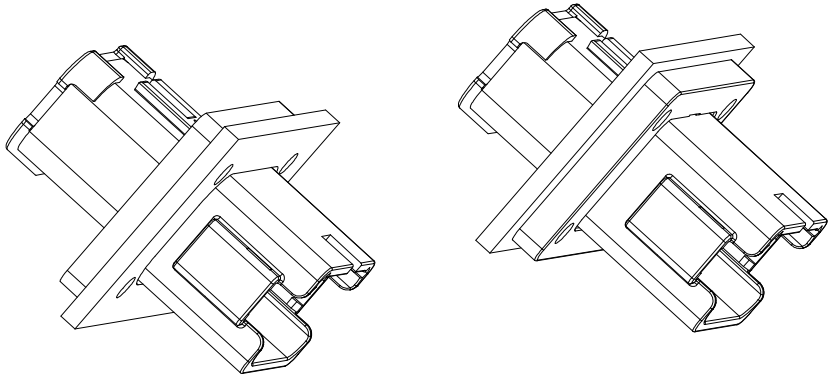
KEY-D CONFIGURATION	
COLOR	PART NUMBER
BROWN	AT04-12PD-BL05

SEE SHEET 2		DESCRIPTION		ITEM
PART NUMBER				
MATERIALS LIST				
QUANTITY				
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
		DRAWN:	LOUIE	11/NOV/21
		CHECKED:	ORION	12/NOV/21
		ENGINEER:		
		APPROVAL:	TOMMY	15/NOV/21
MATERIAL SPECIFICATIONS:		CUSTOMER:		
WEIGHT:28.9g				
PROCESS SPECIFICATIONS:		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	TYPE	DWG NO.
		B	C-	AT04-12PX-BL05
		SCALE	NONE	SHEET 2 OF 3
		REVISION A2		

TITLE: 12P RECEPTACLE,FLANGE MOUNT,ENHANCE KEY,END CAP
DWG NO: AT04-12PX-BL05
REV: A2
SH: 2
OF: 3

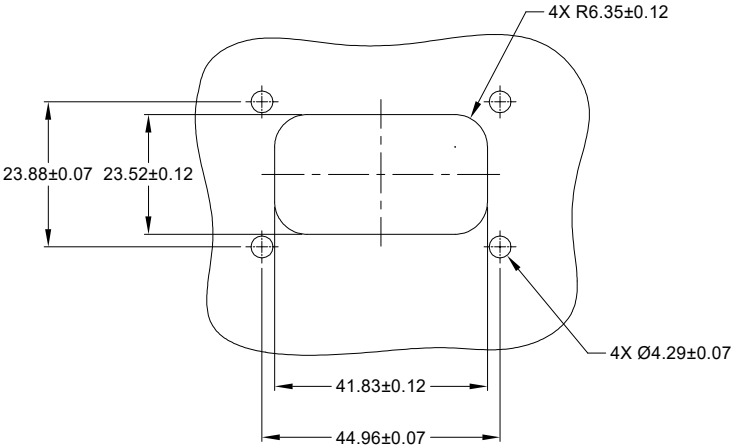
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	30/NOV/18	BROOK	TOMMY
A2	C1403S	UPDATE THE APPEARANCE	11/NOV/21	LOUIE	TOMMY

FOR REFERENCE ONLY



FRONT MOUNT

REAR MOUNT



RECOMMENDED CUTOUT
FRONT AND REAR MOUNT

SEE SHEET 2		DESCRIPTION		ITEM												
PART NUMBER																
QUANTITY		MATERIALS LIST														
<u>UNLESS OTHERWISE SPECIFIED</u> 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 = 		<table><tr><th>SIGNATURES</th><th>DATE</th></tr><tr><td>DRAWN: LOUIE</td><td>11/NOV/21</td></tr><tr><td>CHECKED: ORION</td><td>12/NOV/21</td></tr><tr><td>ENGINEER:</td><td></td></tr><tr><td>APPROVAL: TOMMY</td><td>15/NOV/21</td></tr><tr><td>CUSTOMER:</td><td></td></tr></table>			SIGNATURES	DATE	DRAWN: LOUIE	11/NOV/21	CHECKED: ORION	12/NOV/21	ENGINEER:		APPROVAL: TOMMY	15/NOV/21	CUSTOMER:	
SIGNATURES	DATE															
DRAWN: LOUIE	11/NOV/21															
CHECKED: ORION	12/NOV/21															
ENGINEER:																
APPROVAL: TOMMY	15/NOV/21															
CUSTOMER:																
MATERIAL SPECIFICATIONS:		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 12P RECEPTACLE,FLANGE MOUNT,ENHANCE KEY,END CAP														
WEIGHT:28.9g																
PROCESS SPECIFICATIONS:																
NEXT ASSY:		<table><tr><td>SIZE</td><td>TYPE</td><td>DWG NO:</td><td>REVISION</td></tr><tr><td>B</td><td>C-</td><td>AT04-12PX-BL05</td><td>A2</td></tr><tr><td>SCALE:</td><td colspan="2">NONE</td><td>SHEET 3 OF 3</td></tr></table>			SIZE	TYPE	DWG NO:	REVISION	B	C-	AT04-12PX-BL05	A2	SCALE:	NONE		SHEET 3 OF 3
SIZE	TYPE	DWG NO:	REVISION													
B	C-	AT04-12PX-BL05	A2													
SCALE:	NONE		SHEET 3 OF 3													

TITLE: 12P RECEPTACLE,FLANGE MOUNT,ENHANCE KEY,END CAP
DWG NO: AT04-12PX-BL05
REV: A2
SH: 3
OF: 3

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	
MF3-3950	Crimp Die - Size 16, 18-20AWG
MF3-3953	Crimp Die - Size 16, 16-18AWG
MF3-3975	Crimp Die - Size 16, 14-16AWG
MF3-3990	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