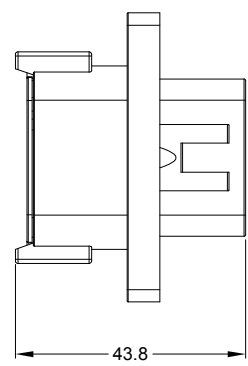
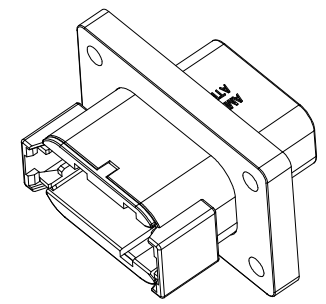
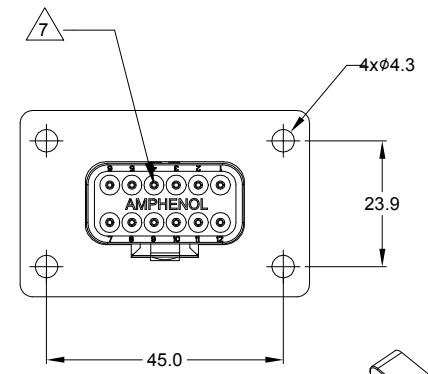
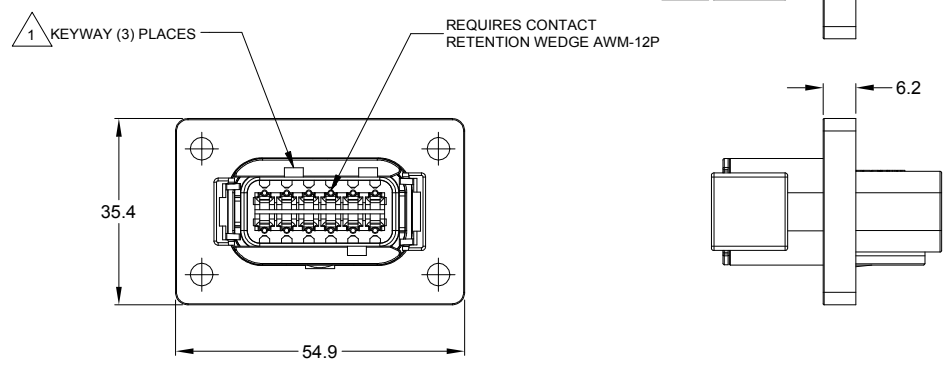


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	20/NOV/17	ROOKIE	TOMMY
A2	C0866S	UPDATE DRAWING	14/MAY/18	ROOKIE	TOMMY
A3	-	UPDATE DRAWING	18/MAY/20	ROOKIE	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

- 1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.
- 2. MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER
- 3. MODIFICATIONS: FLANGE
- 4. SPECIFICATIONS:
4.1 CURRENT RATING: 7.5 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: IP67 (MATED CONDITION)
4.6 MATING CYCLE DURABILITY: 100 CYCLES
4.7 RoHS COMPLIANT
- 5. MATING PART: ATM06-12SX* 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:

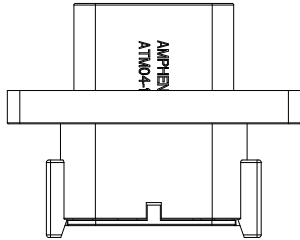
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
20	1.35 mm (.053 in)	3.05 mm (.120 in)	16 - 22 AWG

SEE SHEET 2		DESCRIPTION		ITEM								
PART NUMBER		RECEPTACLE, KEYED, 12 PIN, ATM SERIES,PANELMATE										
QUANTITY	MATERIALS LIST											
UNLESS OTHERWISE SPECIFIED		SIGNATURES DATE										
1) All dimensions are in metric(mm).		DRAWN:	ROOKIE	18/MAY/20								
2) Tolerances are as follows:		CHECKED:	ORION	19/MAY/20								
1 PL DEC ±0.30		ENGINEER:										
2 PL DEC ±0.15		APPROVAL:	TOMMY	20/MAY/20								
3 PL DEC ±0.08		CUSTOMER:										
3) Note reference = X		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.										
MATERIAL SPECIFICATIONS:		<p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>										
PROCESS SPECIFICATIONS:		<table border="1"> <tr> <td>SIZE</td> <td>TYPE</td> <td>DWG NO:</td> <td>REVISION</td> </tr> <tr> <td>B</td> <td>C-</td> <td>ATM04-12PX-PM01</td> <td>A3</td> </tr> </table>			SIZE	TYPE	DWG NO:	REVISION	B	C-	ATM04-12PX-PM01	A3
SIZE	TYPE	DWG NO:	REVISION									
B	C-	ATM04-12PX-PM01	A3									
NEXT ASSY:		SCALE: NONE SHEET 1 OF 3										

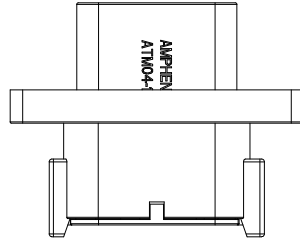
TITLE: RECEPTACLE, KEYED, 12 PIN, ATM SERIES, PANELMATE DWG NO: ATM04-12PX-PM01 REV: A3 SH: 1 OF: 3

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	20/NOV/17	ROOKIE	TOMMY
A2	C0866S	UPDATE DRAWING	14/MAY/18	ROOKIE	TOMMY
A3	-	UPDATE DRAWING	18/MAY/20	ROOKIE	TOMMY

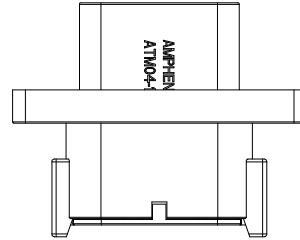
KEY A CONFIGURATION
HOUSNG COLOR:GREY
FLANGE COLOR:GREY
COVER COLOR:GREY



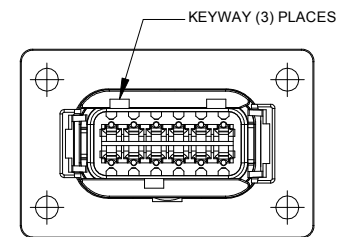
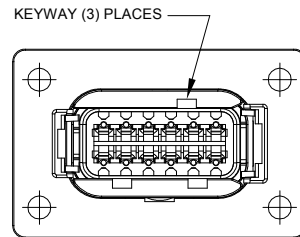
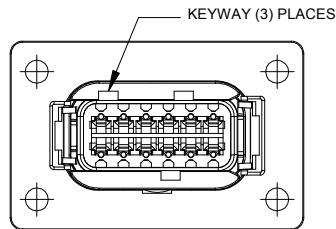
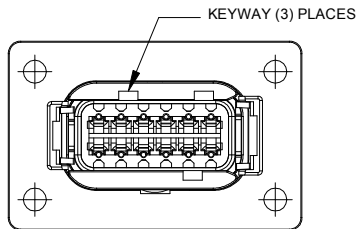
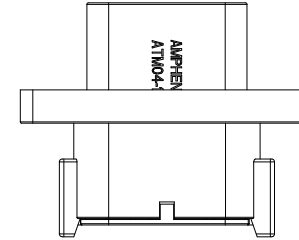
KEY B CONFIGURATION
HOUSNG COLOR:GREY
FLANGE COLOR:GREY
COVER COLOR:BLACK



KEY C CONFIGURATION
HOUSNG COLOR:GREY
FLANGE COLOR:GREY
COVER COLOR:GREEN



KEY D CONFIGURATION
HOUSNG COLOR:GREY
FLANGE COLOR:GREY
COVER COLOR:BROWN



<u>KEY-A CONFIGURATION</u>
PART NUMBER
ATM04-12PA-PM01

<u>KEY-B CONFIGURATION</u>
PART NUMBER
ATM04-12PB-PM01

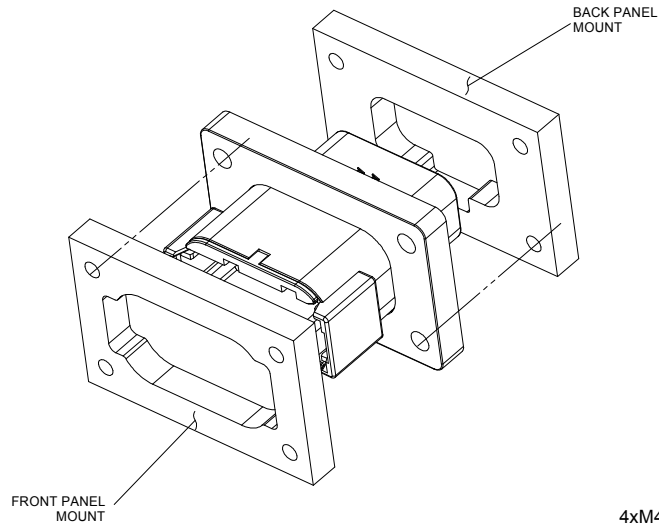
<u>KEY-C CONFIGURATION</u>
PART NUMBER
ATM04-12PC-PM01

<u>KEY-D CONFIGURATION</u>
PART NUMBER
ATM04-12PD-PM01

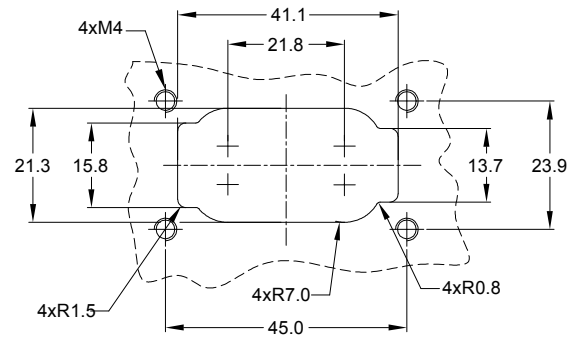
QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.06 3) Note reference =		SIGNATURES DRAWN: ROOKIE 18/MAY/20 CHECKED: ORION 19/MAY/20 APPROVAL: TOMMY 20/MAY/20 CUSTOMER:	DATE 18/MAY/20 19/MAY/20 20/MAY/20
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 RECEPTACLE, KEYED, 12 PIN, ATM SERIES,PANELMATE 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.	
		SIZE: B C- SCALE: NONE	DWG NO: ATM04-12PX-PM01 SHEET 2 OF 3
		REVISION: A3	OF: 3

TITLE: RECEPTACLE, KEYED, A, 12 PIN, ATM SERIES,PANELMATE
 DWG NO.: ATM04-12PX-PM01
 REV: A3
 SH: 2
 OF: 3

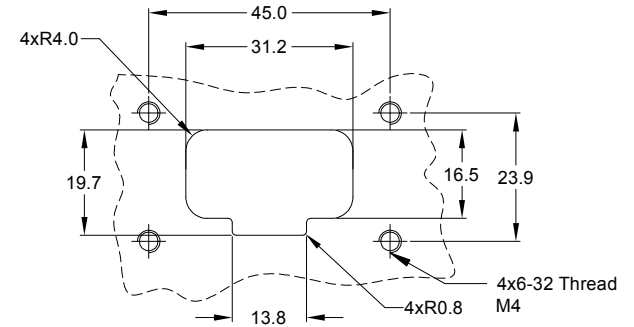
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	20/NOV/17	ROOKIE	TOMMY
A2	C0866S	UPDATE DRAWING	14/MAY/18	ROOKIE	TOMMY
A3	-	UPDATE DRAWING	18/MAY/20	ROOKIE	TOMMY



FRONT PANEL



BACK PANEL





RECOMMENDED MOUNTING HOLE


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 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference =		SIGNATURES DRAWN: ROOKIE 18/MAY/20 CHECKED: CRON 19/MAY/20 APPROVAL: TOMMY 20/MAY/20 CUSTOMER:	DATE 18/MAY/20 19/MAY/20 20/MAY/20
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:		<div style="text-align: center;"> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> </div>	
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.		SIZE B C-	DWG NO: ATM04-12PX-PM01 SCALE: NONE
		REVISION A3	SHEET 3 OF 3





TITLE: RECEPTACLE, KEYED, A, 12 PIN, ATM SERIES, PANELMATE
 DWG NO.: ATM04-12PX-PM01
 REV: A3
 SH: 3
 OF: 3

ATM Series™ - Contact Size 20 Options



Machined Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-010-2031	Male Contact - Pin, Gold-plated	20	16-18	Machined
AT62-005-20141	Female Contact - Socket, Gold-plated	20	16-18	Machined
AT60-010-20141	Male Contact - Pin, Nickel-plated	20	16-18	Machined
AT62-005-2031	Female Contact - Socket, Nickel-plated	20	16-18	Machined
AT60-202-2031	Male Contact - Pin, Gold-plated	20	20-22	Machined
AT62-201-2031	Female Contact - Socket, Gold-plated	20	20-22	Machined
AT60-202-20141	Male Contact - Pin, Nickel-plated	20	20-22	Machined
AT62-201-20141	Female Contact - Socket, Nickel-plated	20	20-22	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
	ART1-100	Used for removal of contacts for A Series™ products
	AT11-240-2005	Contact Removal Tool, Plastic, Size 20

Sealing Plugs		
Part	Part Number	Description
	AT13-204-2005	Sealing Plug, Size 20, White
	AT13-204-2005-SR	Sealing Plug, Size 20, SR01 Series, Black
	ATM13-217-2005	Locking Sealing Plug, Size 20, Grey
	ATM13-217-2005-SR	Locking Sealing Plug, Size 20, SR01 Series, Blue

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-20-0144	Male Contact - Pin, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0144	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0244	Male Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0244	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0222	Male Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0222	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0277	Male Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT62-20-0277	Female Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT60-20-0422	Male Contact - Socket, Nickel-plated	20	20-22	Stamped & Formed
AT62-20-0444	Female Contact - Socket, Gold-plated	20	20-22	Stamped & Formed

Tooling - Stamped & Formed Contacts		
Part	Part Number	Description
	MFX-3974	Crimp Die - Size 20 (S&F contacts only)
	MFX-3976	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -04XX Series
	MFX-3978	Crimp Die - Size 20 (S&F contacts only) 20-22AWG -02XX Series
	ATT-20-00	Hand Crimp Tool - Size 20, 20AWG (S&F contacts only)

Amphenol Sine Systems
 44724 Morley Drive
 Clinton Township, MI 48036 USA
www.amphenol-sine.com
 03/2022