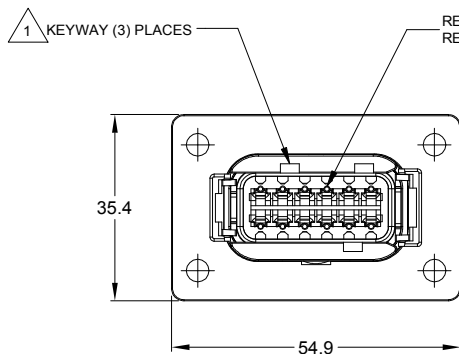
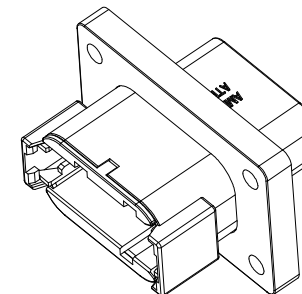
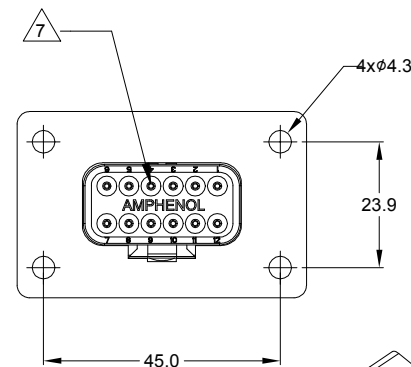


7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

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

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.

SEE SHEET 2		DESCRIPTION		ITEM	
PART NUMBER					
MATERIALS LIST					
QUANTITY	SIGNATURES		DATE	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
UNLESS OTHERWISE SPECIFIED		DRAWN:	ROOKIE		18MAY20
1) All dimensions are in metric(mm).		CHECKED:	ORION		19MAY20
2) Tolerances are as follows:		ENGINEER:			
1 PL DEC ±0.30		APPROVAL:	TOMMY		20MAY20
2 PL DEC ±0.15		CUSTOMER:			
3 PL DEC ±0.08		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.			
3) Note reference = 					
MATERIAL SPECIFICATIONS:					
PROCESS SPECIFICATIONS:					
NEXT ASSY:					
		RECEPTACLE, KEYED, 12 PIN, ATM SERIES,PANELMATE			
		SIZE	TYPE	DWG NO:	
		B	C-	ATM04-12PX-PM01	
		SCALE:	NONE	REVISION	
				A3	
		SHEET 1 OF 3			

TITLE: RECEPTACLE, KEYED A, 12 PIN, ATM SERIES,PANELMATE

DWG NO:

ATM04-12PX-PM01

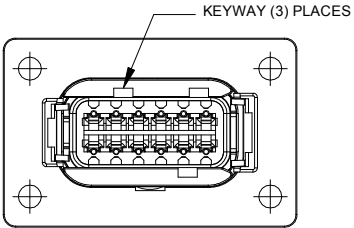
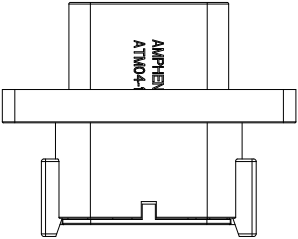
REV: A3

SH: 1

OF: 3

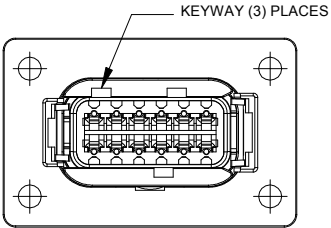
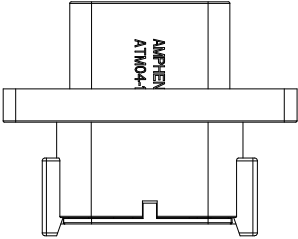
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	20/NOV/17	ROOKIE	TOMMY
A2	C0866S	UPDATE DRAWING	14/MAY/18	ROOKIE	TOMMY
A3	-	UPDATE DRAWING	18/MAY/20	ROOKIE	TOMMY

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



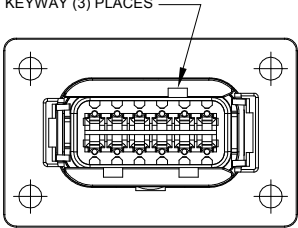
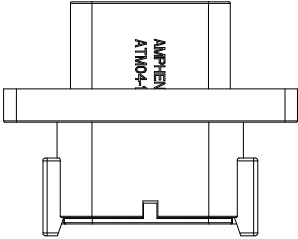
KEY-A CONFIGURATION
PART NUMBER
ATM04-12PA-PM01

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



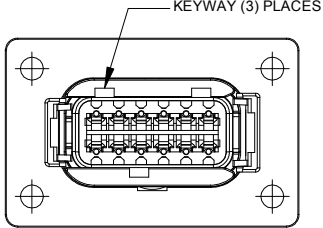
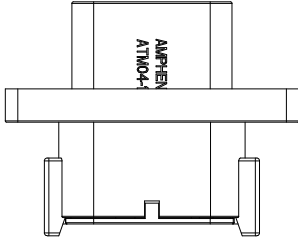
KEY-B CONFIGURATION
PART NUMBER
ATM04-12PB-PM01

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



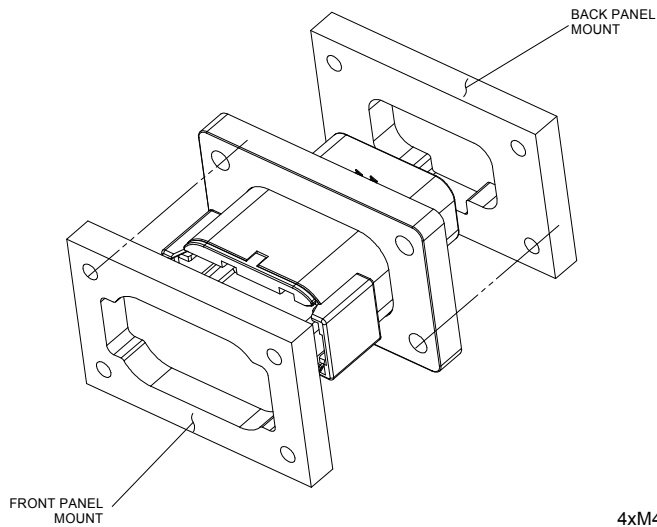
KEY-C CONFIGURATION
PART NUMBER
ATM04-12PC-PM01

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

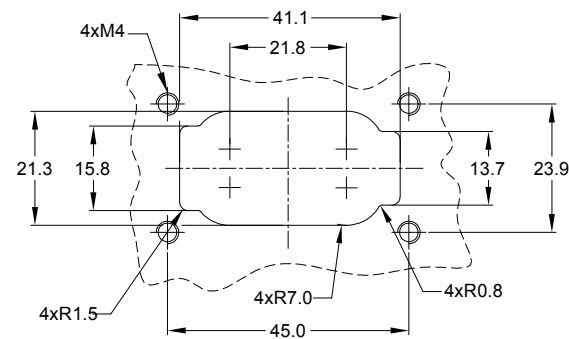


KEY-D CONFIGURATION
PART NUMBER
ATM04-12PD-PM01

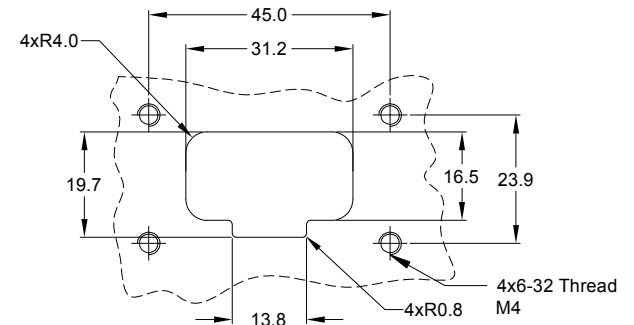
PART NUMBER		DESCRIPTION		ITEM	
QUANTITY		MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036			
1) All dimensions are in metric(mm).					
2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08					
3) Note reference = 					
FRACTURE ±1/64 Angles ±1°					
MATERIAL SPECIFICATIONS:		SIGNATURES		DATE	
		DRAWN: ROOKIE		18/MAY/20	
		CHECKED: ORION		19/MAY/20	
		ENGINEER:			
		APPROVAL: TOMMY		20/MAY/20	
CUSTOMER:		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.					
PROCESS SPECIFICATIONS:					
NEXT ASSY:					
		SIZE	TYPE	DWG NO:	REVISION
		B	C-	ATM04-12PX-PM01	A3
		SCALE:	NONE		SHEET 2 OF 3



FRONT PANEL



BACK PANEL



RECOMMENDED MOUNTING HOLE

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

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

PART NUMBER		DESCRIPTION		ITEM
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 =		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:		RECEPTACLE, KEYED, 12 PIN, ATM SERIES,PANELMATE		
PROCESS SPECIFICATIONS:		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
NEXT ASSY:		SCALE: NONE		
		SIZE B C-		DWG NO: ATM04-12PX-PM01
				REVISION A3
				SHEET 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
	ATRT-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)