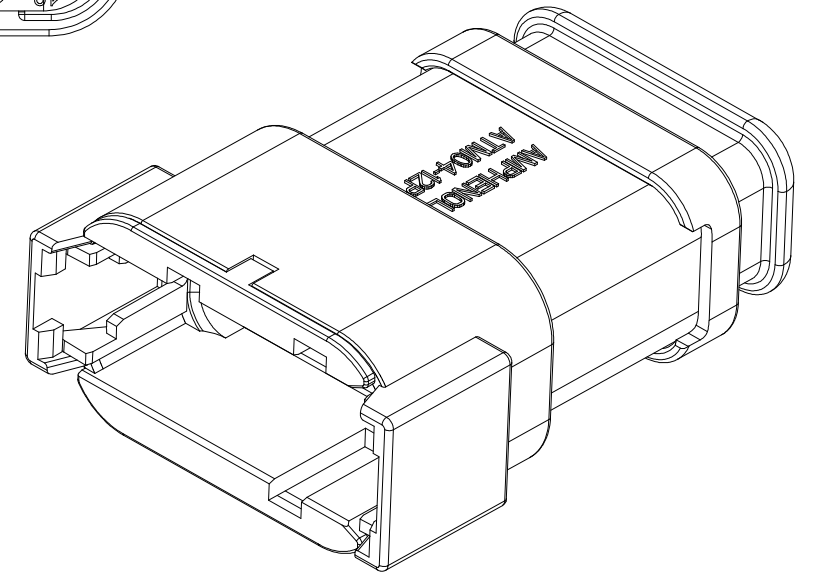
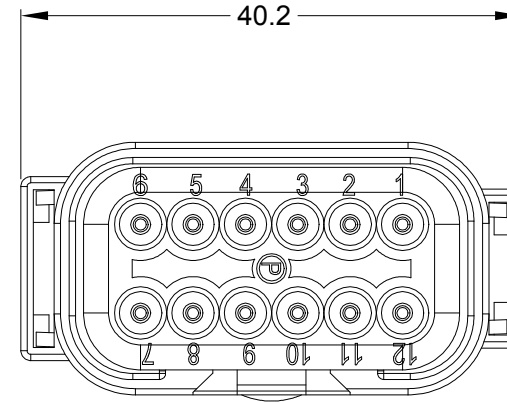
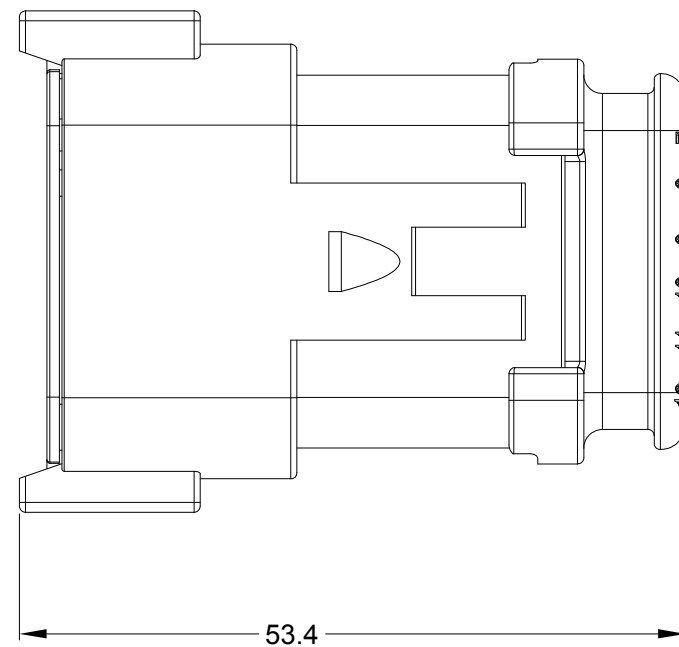
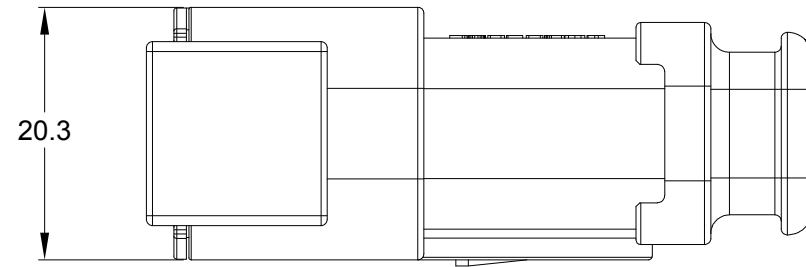
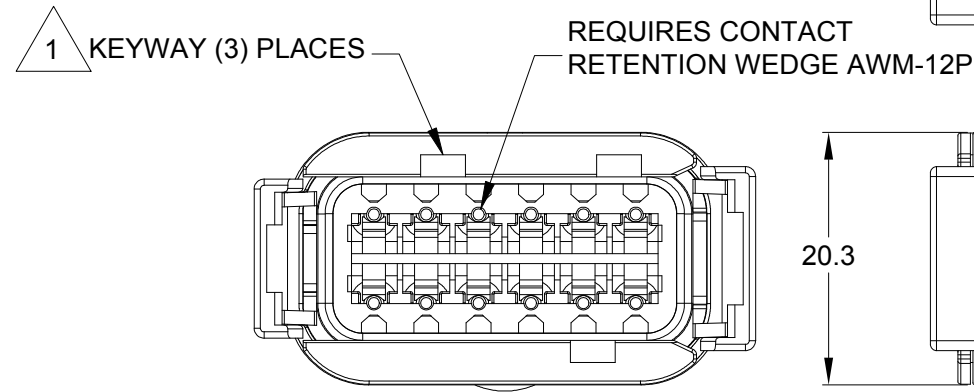
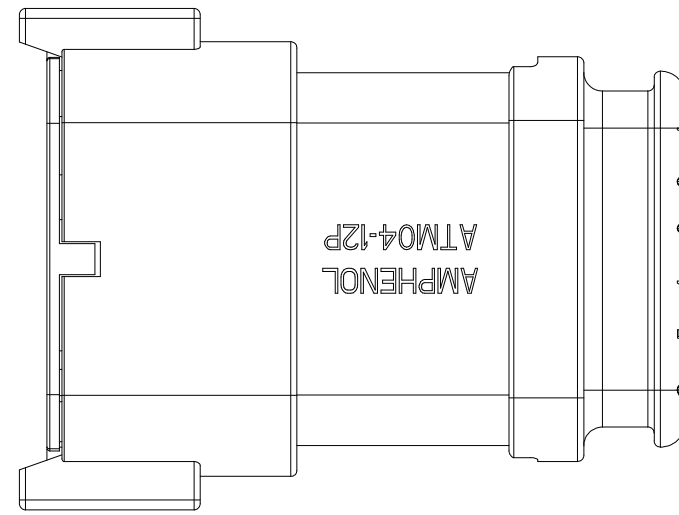


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	PERLIMINARY DESIGN	03/NOV/14	ORION	TOMMY
A2	--	REVISE DIMENSION	21/JUL/20	LOUIE	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER

3. MODIFICATIONS: STRAIN RELIEF END CAP

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

TITLE: RECEPTACLE, KEYED, 12 PIN, STRAIN RELIEF, ATM SERIES  
DWG NO: ATM04-12PX-SR1XX  
REV: A2  
SH: 1  
OF: 2

QUANTITY	SEE SHEET 2	PART NUMBER	DESCRIPTION	ITEM
<b>MATERIALS LIST</b>				
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE
1) All dimensions are in metric(mm).		DRAWN:	LOUIE	21/JUL/20
2) Tolerances are as follows:		CHECKED:	ORION	22/JUL/20
1 PL DEC ±0.30		ENGINEER:		
2 PL DEC ±0.15		APPROVAL:	TOMMY	23/JUL/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:		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
PROCESS SPECIFICATIONS:		RECEPTACLE, KEYED, 12 PIN, STRAIN RELIEF ATM SERIES		
NEXT ASS'Y:		SIZE	TYPE	DWG NO:
		B	C-	ATM04-12PX-SR1XX
		SCALE:	NONE	REVISION A2
		SHEET 1 OF 2		

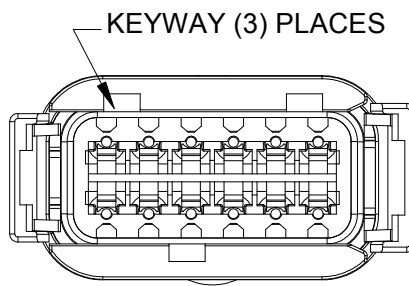
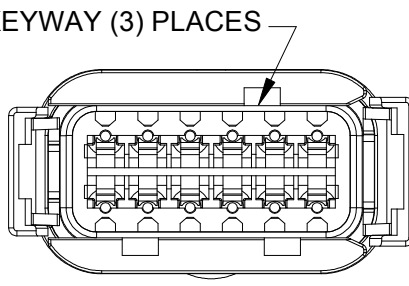
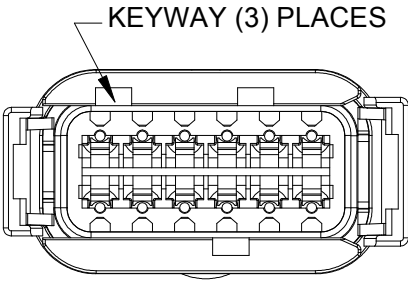
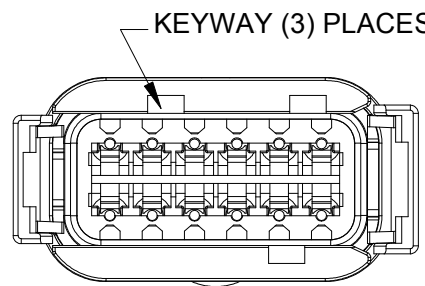
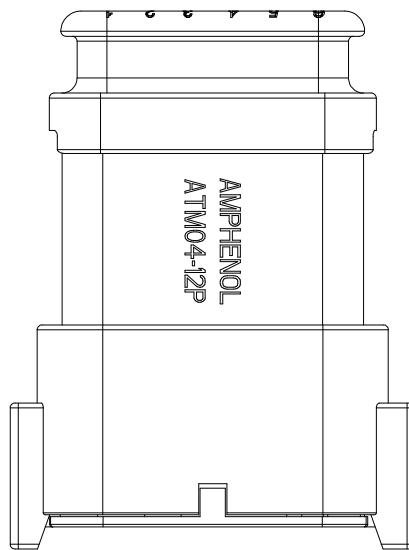
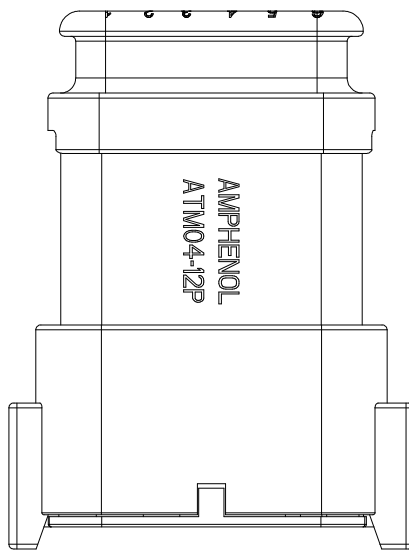
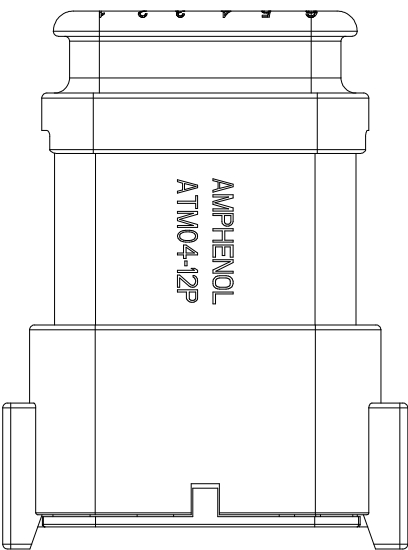
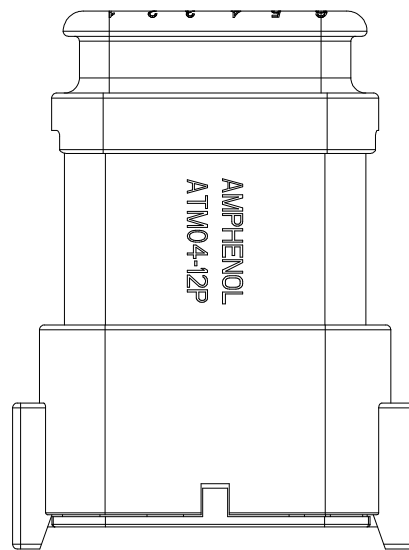
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR

P/N ATM04-12PA-SR1GY  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY

P/N ATM04-12PB-SR1BK  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK

P/N ATM04-12PC-SR1GN  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN

P/N ATM04-12PD-SR1BN  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



KEY-A CONFIGURATION	
COLOR	PART NUMBER
* GREY	ATM04-12PA-SR1GY
BLACK	ATM04-12PA-SR1BK
GREEN	ATM04-12PA-SR1GN
BROWN	ATM04-12PA-SR1BN

KEY-B CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM04-12PB-SR1GY
* BLACK	ATM04-12PB-SR1BK
GREEN	ATM04-12PB-SR1GN
BROWN	ATM04-12PB-SR1BN

KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM04-12PC-SR1GY
BLACK	ATM04-12PC-SR1BK
* GREEN	ATM04-12PC-SR1GN
BROWN	ATM04-12PC-SR1BN

KEY-D CONFIGURATION	
COLOR	PART NUMBER
GREY	ATM04-12PD-SR1GY
BLACK	ATM04-12PD-SR1BK
GREEN	ATM04-12PD-SR1GN
* BROWN	ATM04-12PD-SR1BN

NOTE:

AN ASTERISKS ( \* ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
<b>MATERIALS LIST</b>			
<small>UNLESS OTHERWISE SPECIFIED</small> 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30    Fractions ±1/64 2 PL DEC ±0.15    Angles ±1° 3 PL DEC ±0.08 3) Note reference = $\triangle$ X		<b>SIGNATURES</b> DRAWN: LOUIE CHECKED: ORION ENGINEER: APPROVAL: TOMMY DATE: 21/LOUIE/20 DATE: 22/LOUIE/20 DATE: 23/JUL/20	<div style="text-align: center;"> <h1>Amphenol</h1> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> </div>
MATERIAL SPECIFICATIONS:		CUSTOMER:	RECEPTACLE, KEYED, 12 PIN, STRAIN RELIEF, ATM SERIES
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>B C-</b> TYPE: <b>ATM04-12PX-SR1XX</b> DWG NO: <b>A2</b> SCALE: NONE	
			SHEET 2 OF 2

TITLE: RECEPTACLE, KEYED, 12 PIN STRAIN RELIEF, ATM SERIES  
DWG NO.: ATM04-12PX-SR1XX  
REV: A2  
SH: 2  
OF: 2

# A Series™ - Contact Size 20 Options (Works with: ATM, DuraMate and PanelMate Series)

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 Number	Description
AUTK-20	Hand Crimp Tool, Size 20
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

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	
MFX-3974	Crimp Die - Size 20
MFX-3976	Crimp Die - Size 20 (20-22AWG -04XX Series)
MFX-3978	Crimp Die - Size 20 (20-22AWG -02XX Series)
ATT-20-00	Hand Crimp Tool - Size 20 (20AWG)

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
ATRT-100	Contact and Wedgelock Extraction Tool
AT11-240-2005	Contact Removal Tool, Plastic, Size 20

Sealing Plugs (For both Machined or Stamped & Formed Contacts)	
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