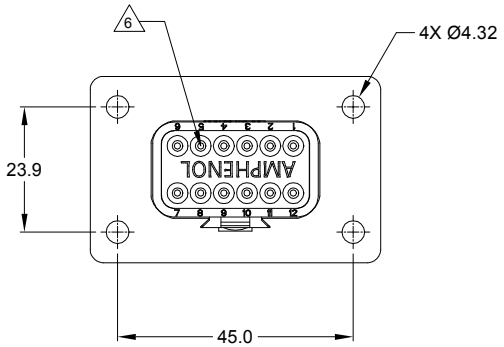
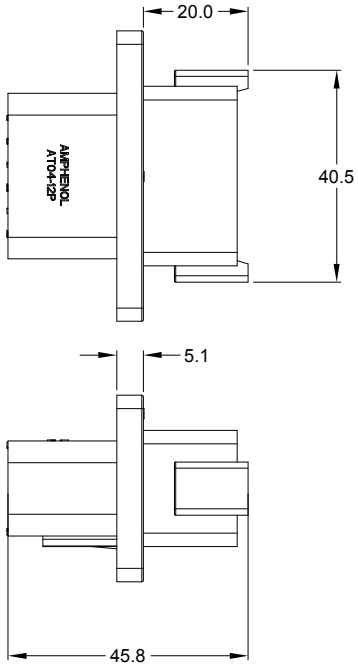
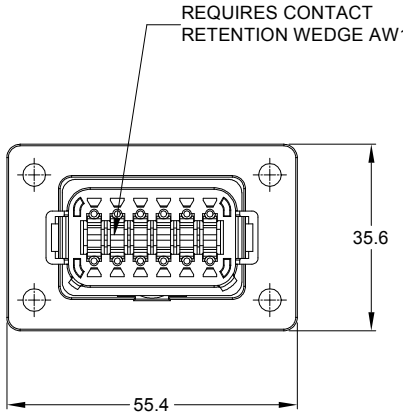
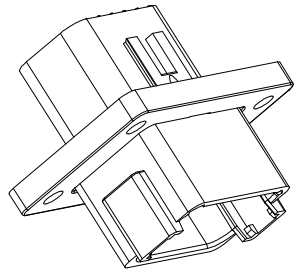
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	RELEASE NUMBER	30/NOV/18	ROOKIE	TOMMY









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: 13 AMPS
   4.2 OPERATING TEMPERATURE: -55℃ TO +125℃.
   4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25℃.
   4.5 MOISTURE RESISTANCE: IP67 (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		
	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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	ROOKIE	30/NOV/18
CHECKED:	ORION	30/NOV/18
ENGINEER:		
APPROVAL:	TOMMY	30/NOV/18
CUSTOMER:		

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44724 Morley Drive
Clinton Township, MI 48036

12P RECEPTACLE, FLANGE MOUNT

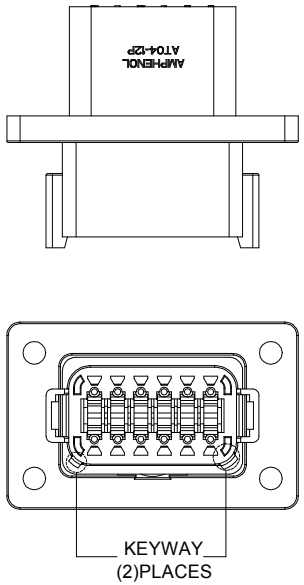
SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-12PX-L012	A1

SCALE: NONE SHEET 1 OF 3

TITLE: 12P RECEPTACLE, FLANGE MOUNT
DWG NO: AT04-12PX-L012
REV: A1
SH: 1
OF: 3

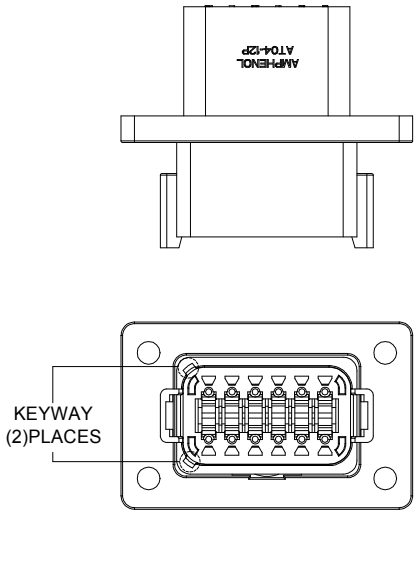
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	RELEASE NUMBER	30/NOV/18	ROOKIE	TOMMY

KEY A CONFIGURATION
STANDARD COLOR:GREY



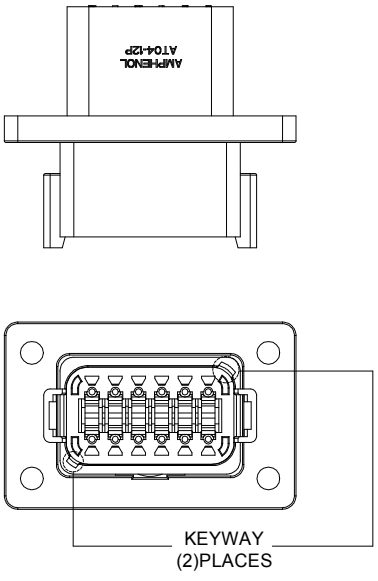
KEY-A CONFIGURATION	
COLOR	PART NUMBER
GREY	AT04-12PA-L012

KEY B CONFIGURATION
STANDARD COLOR:BLACK



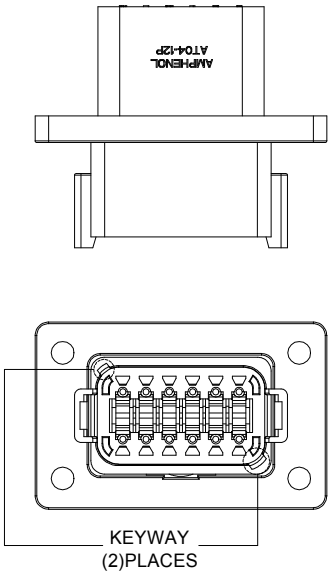
KEY-B CONFIGURATION	
COLOR	PART NUMBER
BLACK	AT04-12PB-L012

KEY C CONFIGURATION
STANDARD COLOR:GREEN



KEY-C CONFIGURATION	
COLOR	PART NUMBER
GREEN	AT04-12PC-L012

KEY D CONFIGURATION
STANDARD COLOR:BROWN



KEY-D CONFIGURATION	
COLOR	PART NUMBER
BROWN	AT04-12PD-L012

	SEE SHEET 2		
	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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	ROOKIE	30/NOV/18
CHECKED:	ORION	30/NOV/18
ENGINEER:		
APPROVAL:	TOMMY	30/NOV/18
CUSTOMER:		

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12P RECEPTACLE, FLANGE MOUNT

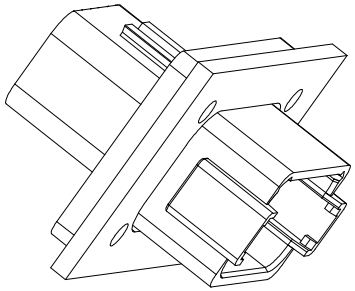
SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-12PX-L012	A1

SCALE: NONE SHEET 2 OF 3

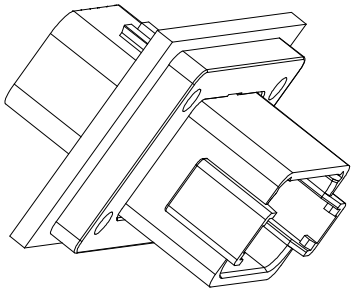
TITLE: 12P RECEPTACLE, FLANGE MOUNT
DWG NO: AT04-12PX-L012
REV: A1
SH: 2
OF: 3

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	RELEASE NUMBER	30/NOV/18	ROOKIE	TOMMY

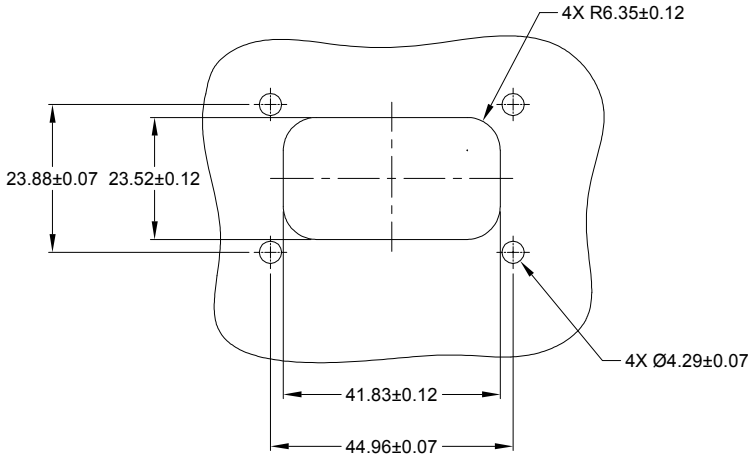
FOR REFERENCE ONLY



FRONT MOUNT



REAR MOUNT



RECOMMENDED CUTOUT
FRONT AND REAR MOUNT

	SEE SHEET 2		
	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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	ROOKIE	30/NOV/18
CHECKED:	ORION	30/NOV/18
ENGINEER:		
APPROVAL:	TOMMY	30/NOV/18
CUSTOMER:		

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Clinton Township, MI 48036

12P RECEPTACLE, FLANGE MOUNT

SIZE	TYPE	DWG NO:	REVISION
B	C-	AT04-12PX-L012	A1

SCALE: NONE SHEET 3 OF 3

TITLE: 12P RECEPTACLE, FLANGE MOUNT
DWG NO: AT04-12PX-L012
REV: A1
SH: 3
OF: 3

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
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www.amphenol-sine.com
09/2021