REVISIONS

REV	ECO	DESCRIPTION	DATE	BY	APPR
A3	-	RELEASE NEW DWG FORMAT	18/OCT/13	DRP	-

47.3

AMPHENOL ATP04-2P

REQUIRES CONTACT
RETENTION WEDGE AWP-2P

21.6

22

6

AMPHENOL

2   1

6

AMPHENOL

2   1
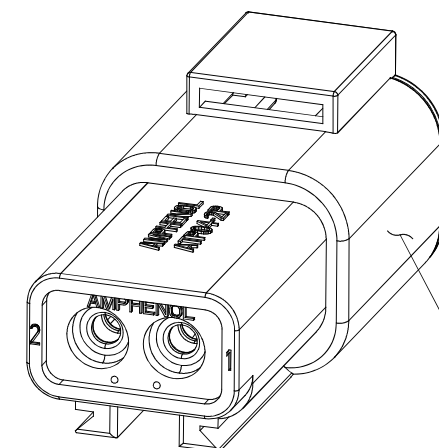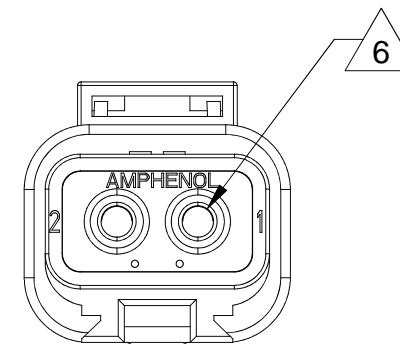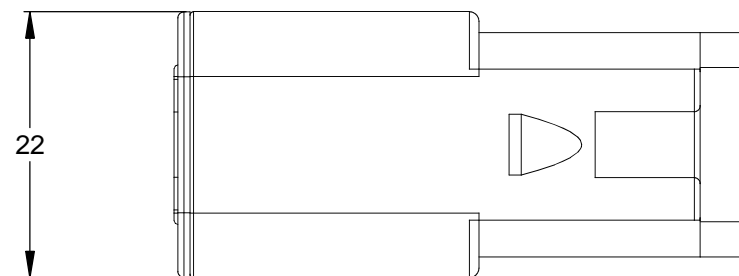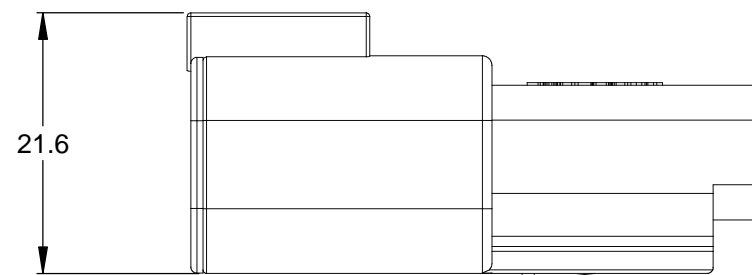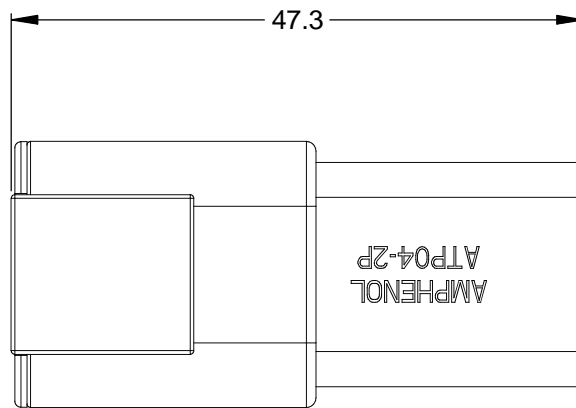
REFER TO PART NUMBER CHART FOR
AVAILABLE CONNECTOR COLORS

NOTES: UNLESS OTHERWISE SPECIFIED:

1. MATERIAL:
   HOUSING: THERMOPLASTIC
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: N/A

3. SPECIFICATIONS:
   3.1 CURRENT RATING: 25 AMPS
   3.2 OPERATING TEMPERATURE: -55°C TO +125°C
   3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2
       MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
   3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

4. MATING PART: ATP06-2S* PLUG.
   (* = MODIFICATIONS AND COLORS)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6. CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
12	3.40 mm (.134 in)	4.95 mm (.195 in)	10 - 14 AWG

PART NUMBER CHART

COLOR	PART NUMBER
GREY	ATP04-2P
BLACK	ATP04-2P-BLK

STANDARD MOLDED COLOR IS GREY. ADDITIONAL
COLOR (BLACK) IS AVAILABLE VIA SPECIAL ORDER.

	SEE PART NUMBER CHART		
	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\

	SIGNATURES	DATE
DRAWN:	D.PARKS	18/OCT/13
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

Amphenol

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

RECEPTACLE, 2 PIN, ATP SERIES

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATP04-2P-XXX	A3

SCALE: NONE   SHEET 1 OF 1

A Series™ - Contact Size 12 Options (Works with: AHD-6, ATP, ATHD, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins

Part Number	Description	Size	AWG	Type
*AT60-204-12141-10	Male Contact - Pin, Nickel-plated	12	10-12	Machined
*AT62-203-12141-10	Female Contact - Socket, Nickel-plated	12	10-12	Machined
AT60-220-1231	Male Contact - Pin, Gold-plated	12	12-14	Machined
AT62-210-1231	Female Contact - Socket, Gold-plated	12	12-14	Machined
AT60-204-12141	Male Contact - Pin, Nickel-plated	12	12-14	Machined
AT62-203-12141	Female Contact - Socket, Nickel-plated	12	12-14	Machined

*Works with ATP Series only

DiagnosticGrade™ Machined Contacts, Sockets & Pins
• Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective

Part Number	Description	Size	AWG	Type
65-54749	Male Contact - DiagnosticGrade™, Pin, Gold-plated	12	20	Machined
AT62-210-1231-1820	Female Contact - DiagnosticGrade™, Socket, Gold-plated	12	20	Machined

Tooling - Machined Contacts

Part Number	Description
AUTK-12	Hand Crimp Tool, Size 12
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
M300-25A	Hand Crimp Tool used with Crimp Locator MFX-3966, Size 12, 10AWG
MFX-3966	Contact Locator used with Hand Crimp Tool M300-25A, Size 12, 10AWG

Stamped & Formed Contacts, Sockets & Pins

Part Number	Description	Size	AWG	Type
AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed
AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed
AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed
AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed
AT60-12-0144	Male Contact - Pin, Gold-plated	12	12-14	Stamped & Formed
AT62-12-0144	Female Contact - Socket, Gold-plated	12	12-14	Stamped & Formed
AT60-12-0166	Male Contact - Pin, Nickel-plated	12	12-14	Stamped & Formed
AT62-12-0166	Female Contact - Socket, Nickel-plated	12	12-14	Stamped & Formed

Tooling - Stamped & Formed Contacts

Part Number	Description
MFX-3973	Crimp Die - Size 12
MFX-3985	Crimp Die - Svize 12, 10-12AWG -02XX Series
ATT-12-00	Hand Crimp Tool - Size 12, 12AWG
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)

Part Number	Description
ATRT-100	Contact and Wedgelock Extraction Tool
AT11-337-1205	Contact Removal Tool, Plastic, Size 12

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

Part Number	Description
A114017	Sealing Plug, Size 12, White