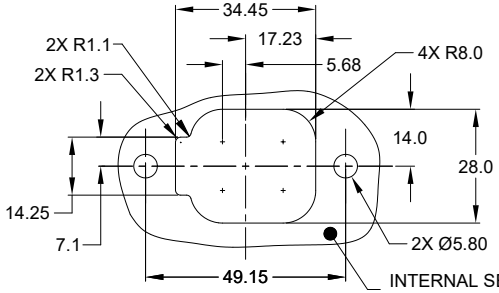
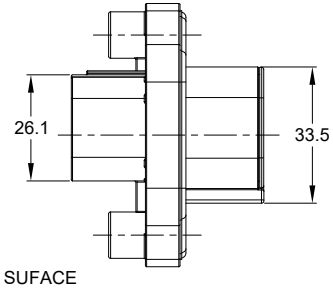
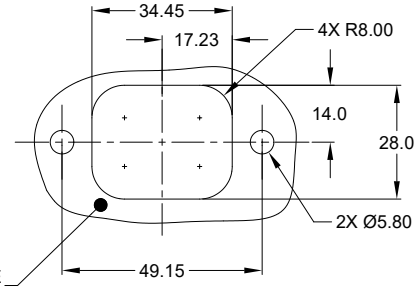
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	04JAN21	LOUIE	TOMMY
A2	-	UPDATE DRAWING	10MAY21	SULLEN	TOMMY

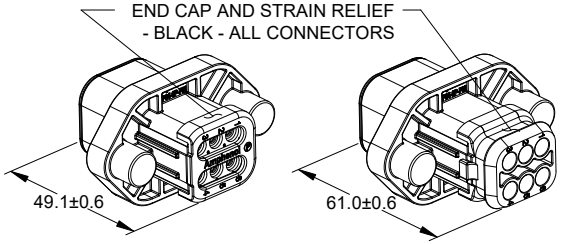


RECOMMENDED PANEL CUTOUT
TYPE 1



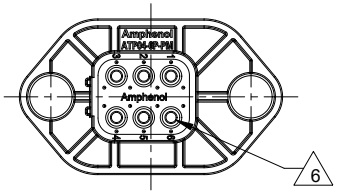


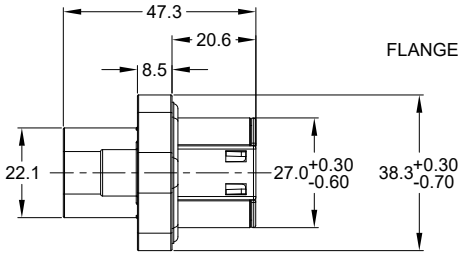
RECOMMENDED PANEL CUTOUT
TYPE 2

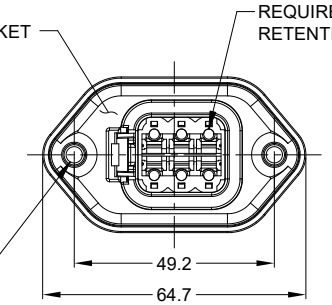


SHOWN WITH END CAP

SHOWN WITH STRAIN RELIEF







PART NUMBER CHART		
PART NUMBER	HOUSING AND INSERT COLOR	STRAIN RELIEF AND END CAP COLOR
ATP04-6P-PM1x	GREY	BLACK
ATP04-6P-PM1xBK	BLACK	BLACK

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; COLOR: SEE PART NUMBER CHART
   INSERT: THERMOPLASTIC; COLOR: SEE PART NUMBER CHART
   END CAP: THERMOPLASTIC; COLOR: BLACK
   STRAIN RELIEF: THERMOPLASTIC; COLOR: BLACK
   SEAL: SILICONE RUBBER; COLOR: RED FOR STANDARD,
   YELLOW FOR REDUCED DIA.
   FLANGE GASKET: SILICONE RUBBER; COLOR: RED

2. MODIFICATIONS: FLANGE, END CAP (OPT),
   REDUCED DIAMETER WIRE SEAL (OPT),
   STRAIN RELIEF (OPT)

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: IP68 (1M OF WATER FOR A PERIOD OF 24 HOURS , MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

4. MATING PART: ATP06-6S* PLUG.
   (* = MODIFICATIONS AND COLORS)

2X Ø4.0, 16.1 DP FROM MATING SURFACE
RECOMMENDED ATTACHMENT OPTIONS:
1. HEX WASHER HEAD SHEETMETAL SCREW, #10, HEX SIZE 5/16"
2. SELF THREAD SCREW FOR PLASTIC SUCH AS ST 4.8 .

RECOMMENDED TORQUE VALUES: 1.9~2.2N.M

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6. CONTACT SIZE AND REAR SEAL WIRE RANGE:

STANDARD SEAL:

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 (5.0-2.0mm²)

REDUCED DIAMETER SEAL:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
12	2.46 mm (.097 in)	4.01 mm (.158 in)	12 - 14 AWG (3.0-2.0mm²)

MODIFICATIONS				
PART NUMBER	SEAL	END CAP	STRAIN RELIEF	WEIGHT (GRAMS)
ATP04-6P-PM11XX	STANDARD	NO	NO	37.2
ATP04-6P-PM12XX	REDUCED DIA.	NO	NO	37.2
ATP04-6P-PM13XX	STANDARD	YES	NO	39.6
ATP04-6P-PM14XX	REDUCED DIA.	YES	NO	39.6
ATP04-6P-PM15XX	STANDARD	NO	YES	45.8
ATP04-6P-PM16XX	REDUCED DIA.	NO	YES	45.8

	ATP04-6P-PM1xXX		
	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 ASSY:

SIGNATURES		DATE
DRAWN:	SULLEN.ZHANG	10MAY21
CHECKED:	ORION.LI	11MAY21
ENGINEER:		
APPROVAL:	TOMMY.XIE	12MAY21
CUSTOMER:		

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Amphenol

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

6 POS, RECEPTACLE, PIN, ATP SERIES,
W/ FLANGE, GASKET,SELF-TAPPNG

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATP04-6P-PM1xXX	A2

SCALE: NONE SHEET 1 OF 1

TITLE: 6 POS, RECEPTACLE, PIN, ATP SERIES, W/ FLANGE, GASKET, SELF-TAPPNG
DWG NO: ATP04-6P-PM1xXX
REV: A2
SH: 1
OF: 1

ATP Series™ - Contact Size 12 Options

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

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	**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
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12
	A114017	Sealing Plug, Size 12, White

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	**Part Number**	**Description**
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)
	MFX-3985	Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series
	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)

Amphenol Sine Systems
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Clinton Township, MI 48036 USA
www.amphenol-sine.com
01/2022