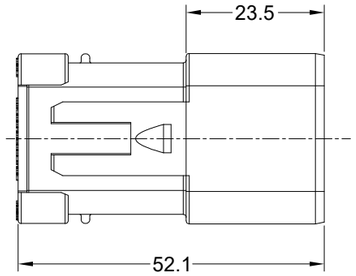
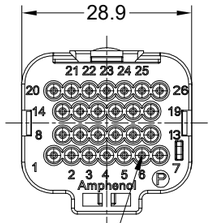
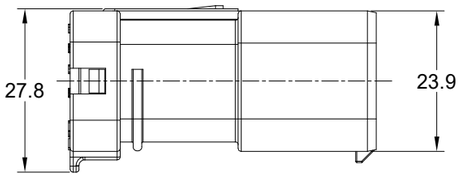
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	30/Jan/23	LUCAS	TOMMY
A2	-	ADD THE PIN LOCATOR DESCRIPTION	28/Aug/23	LUCAS	TOMMY
A3	-	UPDATE THE END CAP DESIGN	24/Oct/23	LUCAS	TOMMY

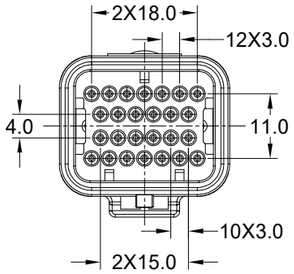


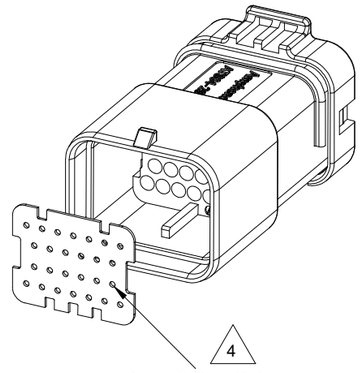


SIZE 20 CONTACTS
(26 PLACES)

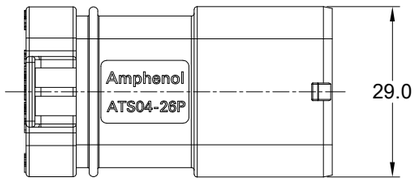
6







PIN LOCATOR
(It will be packaged in bag with connector)



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; COLOR:BLACK
   END CAP:THERMOPLASTIC; COLOR:BLACK
   SEAL:SILICONE RUBBER； COLOR:RED
   PIN LOCATOR:THERMOPLASTIC; COLOR:WHITE

2. SPECIFICATIONS:
   2.1 CURRENT RATING: 7.5AMPS MAX
   2.2 OPERATING TEMPERATURE: -55°C TO +125°C
   2.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   2.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C
   2.5 MOISTURE RESISTANCE: IP67&IP69K (MATED CONDITION)
   2.6 MATING CYCLE DURABILITY: 500 CYCLES
   2.7 RoHS COMPLIANT

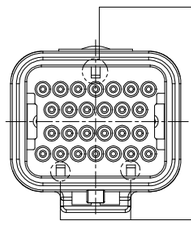
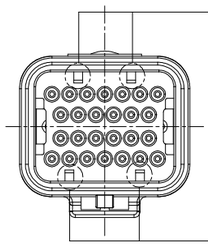
3. MATING PART: ATS06-26Sx PLUG(X = A,B KEYS)

4. PIN LOCATOR USED FOR LOCATING PIN.ASSEMBLE THE PIN LOCACTOR BY TOOL FT-ATS26P AFTER PIN HAVE BEEN INSTALLED. TOOL FT-ATS26P SHOULD BE PURCHASED SEPARATELY.

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
20	1.12 mm (.044 in)	2.31 mm (.091 in)	18-28AWG (0.82-0.08mm²)

P/N: ATS04-26PA	P/N: ATS04-26PB
KEY-A	KEY-B
 KEY WAY (3) PLACES	 KEY WAY (4) PLACES

	SEE P/N CHART		
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

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:	LUCAS	16/Oct/23
CHECKED:	ORION	19/Oct/23
ENGINEER:		
APPROVAL:	TOMMY	23/Oct/23
CUSTOMER:		

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

26 POSITION INLINE RECPTACLE CONNECTOR, PIN, ATS

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATS04-26Px	A3

SCALE: NONE SHEET 1 OF 1

TITLE: 26 POS INLINE RECPTACLE CONNECTOR, PIN, ATS
DWG NO: ATS04-26Px
REV: A3
SH: 1
OF: 1

ATS Series™ - Contact Size 20 Options

Machined, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
MP18W23F	MS18W23F	18-20AWG	0.75-0.5 mm²	Gold Flash
MP18W23G10	MS18W23G10	18-20AWG	0.75-0.5 mm²	Gold 10µ"
MP18W23G15	MS18W23G15	18-20AWG	0.75-0.5 mm²	Gold 15µ"
MP18W23G30	MS18W23G30	18-20AWG	0.75-0.5 mm²	Gold 30µ"
MP20W23F	MS20W23F	20-22AWG	0.34-0.50 mm²	Gold Flash
MP20W23G5	MS20W23G5	20-22AWG	0.34-0.50 mm²	Gold 5µ"
MP20W23G10	MS20W23G10	20-22AWG	0.34-0.50 mm²	Gold 10µ"
MP20W23G15	MS20W23G15	20-22AWG	0.34-0.50 mm²	Gold 15µ"
MP20W23G30	MS20W23G30	20-22AWG	0.34-0.50 mm²	Gold 30µ"
MP24W23F	MS24W23F	24-26AWG	0.14-0.25 mm²	Gold Flash
MP24W23G5	MS24W23G5	24-26AWG	0.14-0.25 mm²	Gold 5µ"
MP24W23G10	MS24W23G10	24-26AWG	0.14-0.25 mm²	Gold 10µ"
MP24W23G15	MS24W23G15	24-26AWG	0.14-0.25 mm²	Gold 15µ"
MP24W23G30	MS24W23G30	24-26AWG	0.14-0.25 mm²	Gold 30µ"
MP28W23F	MS28W23F	28-30AWG	0.05-0.08 mm²	Gold Flash
MP28W23G5	MS28W23G5	28-30AWG	0.05-0.08 mm²	Gold 5µ"
MP28W23G10	MS28W23G10	28-30AWG	0.05-0.08 mm²	Gold 10µ"
MP28W23G15	MS28W23G15	28-30AWG	0.05-0.08 mm²	Gold 15µ"
MP28W23G30	MS28W23G30	28-30AWG	0.05-0.08 mm²	Gold 30µ"

Machined, Tooling	
Part Number	Description
MFX-3959	Hand Crimp Tool for Machined Contacts, Size 20
MFX-3960	Pneumatic Crimp Tool for Machined Contact, Size 20

Plating Options, All	
Symbol	Plating
T	Tin Plated (for Stamped & Formed Contacts)
S	Silver Plated 5Um (for Machined Contacts)
F	Gold Plated
G5	Gold Plated (Thickness 5µ")
G10	Gold Plated (Thickness 10µ")
G15	Gold Plated (Thickness 15µ")
G30	Gold Plated (Thickness 30µ")

Stamped & Formed , Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
SP20W2F	SS20W2F	18-22AWG	0.34-0.50 mm²	Gold Flash
SP20W2G5	SS20W2G5	18-22AWG	0.34-0.50 mm²	Gold 5µ"
SP20W2G10	SS20W2G10	18-22AWG	0.34-0.50 mm²	Gold 10µ"
SP20W2G15	SS20W2G15	18-22AWG	0.34-0.50 mm²	Gold 15µ"
SP20W2G30	SS20W2G30	18-22AWG	0.34-0.50 mm²	Gold 30µ"
SP24W2F	SS24W2F	24-26AWG	0.14-0.25 mm²	Gold Flash
SP24W2G5	SS24W2G5	24-26AWG	0.14-0.25 mm²	Gold 5µ"
SP24W2G10	SS24W2G10	24-26AWG	0.14-0.25 mm²	Gold 10µ"
SP24W2G15	SS24W2G15	24-26AWG	0.14-0.25 mm²	Gold 15µ"
SP24W2G30	SS24W2G30	24-26AWG	0.14-0.25 mm²	Gold 30µ"
SP28W2F	SS28W2F	28-30AWG	0.05-0.08 mm²	Gold Flash
SP28W2G5	SS28W2G5	28-30AWG	0.05-0.08 mm²	Gold 5µ"
SP28W2G10	SS28W2G10	28-30AWG	0.05-0.08 mm²	Gold 10µ"
SP28W2G15	SS28W2G15	28-30AWG	0.05-0.08 mm²	Gold 15µ"
SP28W2G30	SS28W2G30	28-30AWG	0.05-0.08 mm²	Gold 30µ"

Stamped & Formed, Tooling	
Part Number	Description
MFX-3958	Hand Tool, Stamped & Formed Contact, Size 20
MFX-3957	Crimp Die for Stamped & Formed Contact, Size 20

Tooling, All	
Part Number	Description
AT13-204-2005	Sealing Plug, Size 20
ATRT-100	Contact and Wedgelock Extraction Tool
FT-ATS26P	Installation Fixture for ATS04-26P (Required)
ISRT20	Contact Insertion Tool, Size 20
QXRT20-ATS26P	Contact Extraction Tool, Size 20 (Used with ATS04 and ATS06)

Standard Quantity Order Options	
Machined	Bulk Package, 500 Pieces
Stamped & Formed	Reel, 3000 Pieces

Unikeyic Electronics

Global Electronic Components Distributor

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Amphenol:

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