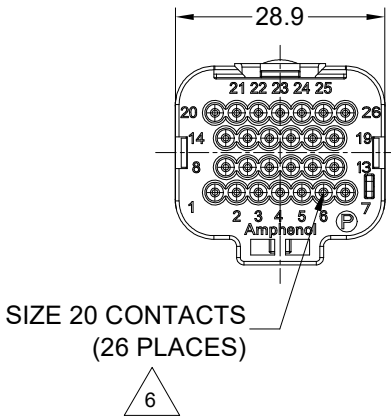
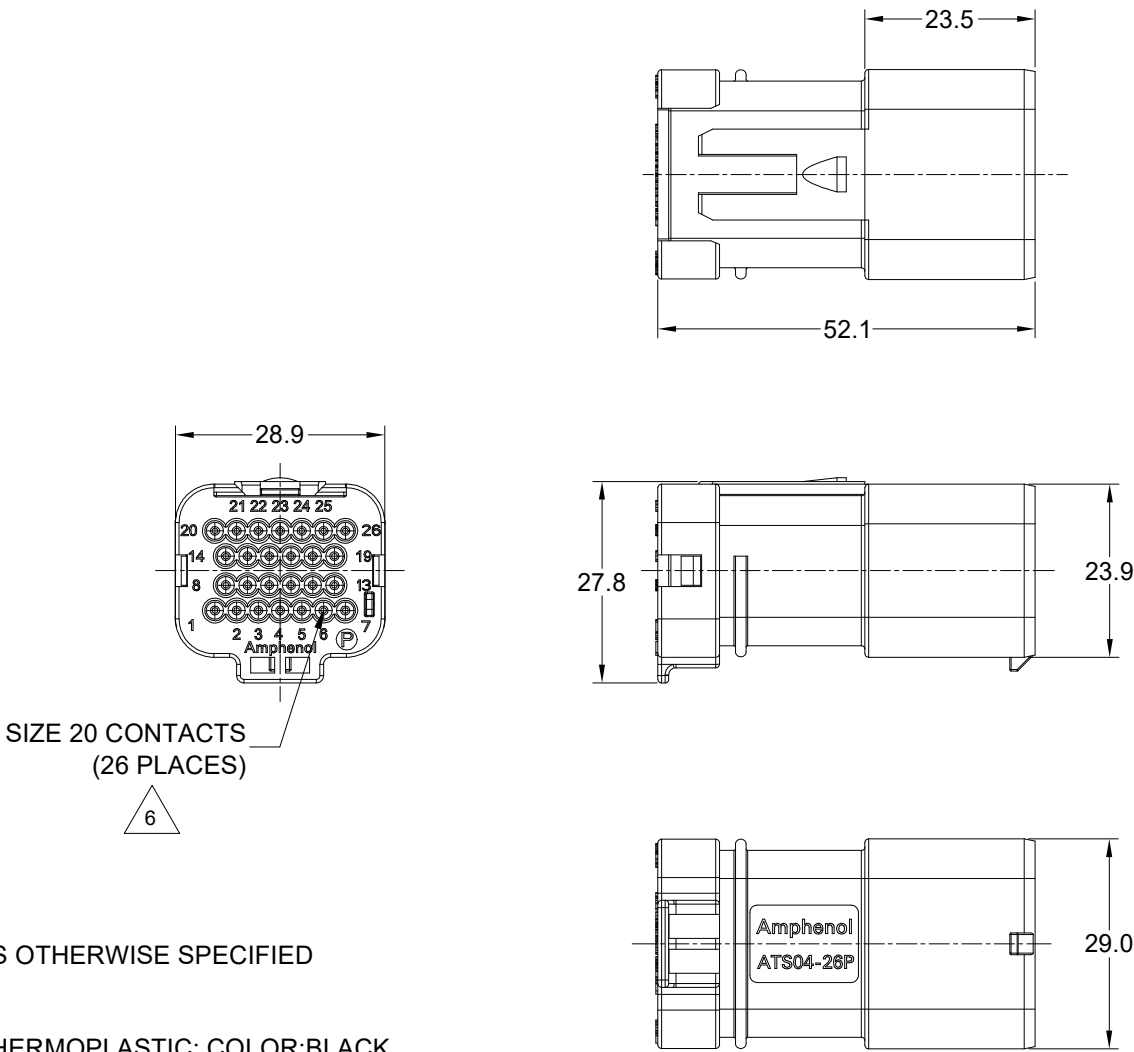


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	30/Jan/23	LUCAS	TOMMY
A2	-	ADD THE PIN LOCATOR DESCRIPTION	28/Aug/23	LUCAS	TOMMY
A3	-	UPDATE THE END CAP DESIGN	24/Oct/23	LUCAS	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

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

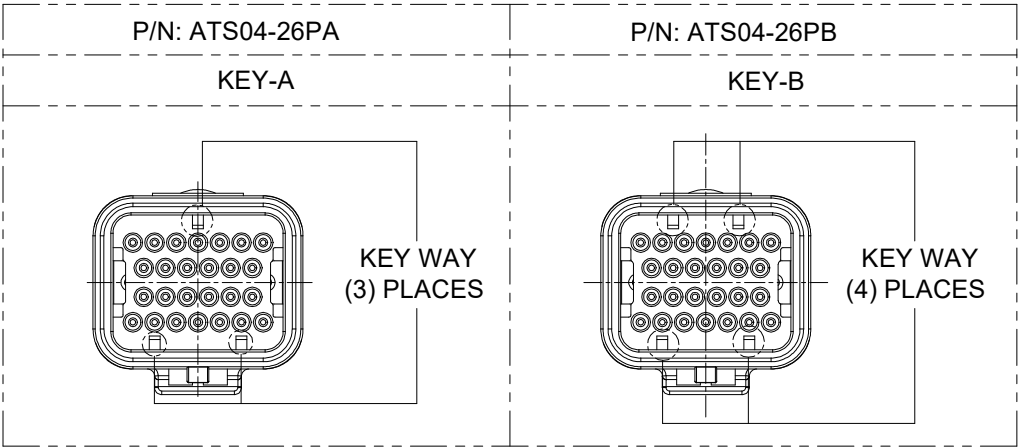
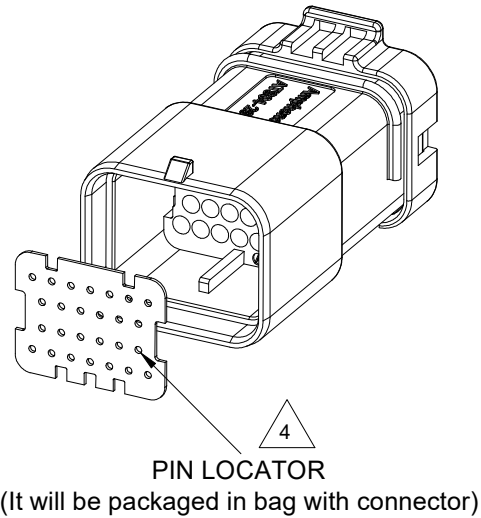
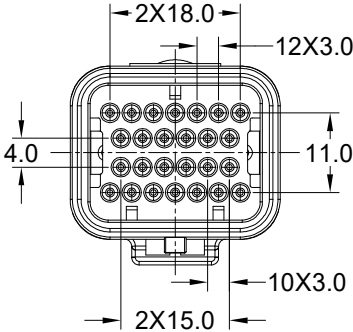
3. MATING PART: ATS06-26Sx PLUG(X = A,B KEYS)

4. PIN LOCATOR USED FOR LOCATING PIN.ASSEMBLE THE PIN LOCATOR 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 (0.82-0.08mm ²)



		SEE P/N CHART			
QUANTITY		PART NUMBER		DESCRIPTION	
ITEM					
MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
1) All dimensions are in metric(mm).		DRAWN:		LUCAS	
2) Tolerances are as follows:		CHECKED:		ORION	
1 PL DEC ±0.30		ENGINEER:			
2 PL DEC ±0.15		APPROVAL:		TOMMY	
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:					
PROCESS SPECIFICATIONS:					
NEXT ASSY:					

ATS Series™ - Contact Size 20 Options

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

Machined, Tooling	
Part Number	Description
AUTK-20	Hand Crimp Tool, Size 20
AUTK-100	Universal Heavy Duty Contact Crimping Tool Kit, Size 12/16/20
MFx-3959	Hand Crimp Tool for Machined Contacts
MFx-3960	Pneumatic Crimp Tool for Machined Contact

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	22-20AWG	0.34-0.50 mm²	Gold Flash
SP20W2G5	SS20W2G5	22-20AWG	0.34-0.50 mm²	Gold 5µ"
SP20W2G10	SS20W2G10	22-20AWG	0.34-0.50 mm²	Gold 10µ"
SP20W2G15	SS20W2G15	22-20AWG	0.34-0.50 mm²	Gold 15µ"
SP20W2G30	SS20W2G30	22-20AWG	0.34-0.50 mm²	Gold 30µ"
SP24W2F	SS24W2F	26-24AWG	0.14-0.25 mm²	Gold Flash
SP24W2G5	SS24W2G5	26-24AWG	0.14-0.25 mm²	Gold 5µ"
SP24W2G10	SS24W2G10	26-24AWG	0.14-0.25 mm²	Gold 10µ"
SP24W2G15	SS24W2G15	26-24AWG	0.14-0.25 mm²	Gold 15µ"
SP24W2G30	SS24W2G30	26-24AWG	0.14-0.25 mm²	Gold 30µ"
SP28W2F	SS28W2F	30-28AWG	0.05-0.08 mm²	Gold Flash
SP28W2G5	SS28W2G5	30-28AWG	0.05-0.08 mm²	Gold 5µ"
SP28W2G10	SS28W2G10	30-28AWG	0.05-0.08 mm²	Gold 10µ"
SP28W2G15	SS28W2G15	30-28AWG	0.05-0.08 mm²	Gold 15µ"
SP28W2G30	SS28W2G30	30-28AWG	0.05-0.08 mm²	Gold 30µ"

Stamped & Formed, Tooling	
Part Number	Description
MFx-3958	Hand Tool, Stamped & Formed Contact, Size 20, 20-28AWG
MFx-3957	Crimp Die for Stamped & Formed Contact

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

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