











REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	PRELIMINARY DESIGN	25/OCT/14	ORION	TOMMY
A2	-	ADD COLOR	06/DEC/16	JONY	TOMMY
A3	-	REVISE DIMENSION	21/JUL/20	LOUIE	TOMMY

ITEM	REV: A3	SH: 1	OF: 1	PART NUMBER CHART	
				COLOR	PART NUMBER
				GREY	ATM04-6P-SR01GY
				BLACK	ATM04-6P-SR01BK
				BLUE	ATM04-6P-SR01BL
				BROWN	ATM04-6P-SR01BN
				GREEN	ATM04-6P-SR01GN
				RED	ATM04-6P-SR01RD
				WHITE	ATM04-6P-SR01WT
				YELLOW	ATM04-6P-SR01YL
				ORANGE	ATM04-6P-SR01OR

ITEM	REV: A3	SH: 1	OF: 1	MATERIALS LIST	
				SIGNATURES	DATE
				DRAWN: LOUIE	21/JUL/20
				CHECKED: ORION	22/JUL/20
				ENGINEER: 	
				APPROVAL: TOMMY	23/JUL/20
				CUSTOMER: 	
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				SIZE: B	TYPE: C-
				DWG NO: ATM04-6P-SR01XX	REVISION: A3
				SCALE: NONE	Sheet 1 of 1

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER
2. MODIFICATIONS: STRAIN RELIEF END CAP
3. SPECIFICATIONS:
 - 3.1 CURRENT RATING: 7.5 AMPS
 - 3.2 OPERATING TEMPERATURE: -55°C TO +125°C
 - 3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMS 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: ATM04-6S* 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
20	1.35 mm (.053 in)	3.05 mm (.120 in)	16 - 22 AWG

TITLE: RECEPTACLE, 6 PIN, STRAIN RELIEF, ATM SERIES

DWG NO: ATM04-6P-SR01XX

REV: A3

SH: 1

OF: 1

Amphenol

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

RECEPTACLE, 6 PIN, STRAIN RELIEF,
ATM SERIES

SIZE: B TYPE: C- DWG NO: ATM04-6P-SR01XX REVISION: A3
SCALE: NONE Sheet 1 of 1

A Series™ - Contact Size 20 Options (Works with: ATM, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-010-2031	Male Contact - Pin, Gold-plated	20	16-18	Machined
AT62-005-20141	Female Contact - Socket, Gold-plated	20	16-18	Machined
AT60-010-20141	Male Contact - Pin, Nickel-plated	20	16-18	Machined
AT62-005-2031	Female Contact - Socket, Nickel-plated	20	16-18	Machined
AT60-202-2031	Male Contact - Pin, Gold-plated	20	20-22	Machined
AT62-201-2031	Female Contact - Socket, Gold-plated	20	20-22	Machined
AT60-202-20141	Male Contact - Pin, Nickel-plated	20	20-22	Machined
AT62-201-20141	Female Contact - Socket, Nickel-plated	20	20-22	Machined

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-20-0144	Male Contact - Pin, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0144	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0244	Male Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT62-20-0244	Female Contact - Socket, Gold-plated	20	16-22	Stamped & Formed
AT60-20-0122	Male Contact - Pin, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0122	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0222	Male Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT62-20-0222	Female Contact - Socket, Nickel-plated	20	16-22	Stamped & Formed
AT60-20-0277	Male Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT62-20-0277	Female Contact - Socket, Tin-plated	20	16-22	Stamped & Formed
AT60-20-0422	Male Contact - Socket, Nickel-plated	20	20-22	Stamped & Formed
AT62-20-0444	Female Contact - Socket, Gold-plated	20	20-22	Stamped & Formed

Tooling - Machined Contacts	
Part Number	Description
AUTK-20	Hand Crimp Tool, Size 20
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

Tooling - Stamped & Formed Contacts	
MFX-3974	Crimp Die - Size 20
MFX-3976	Crimp Die - Size 20 (20-22AWG -04XX Series)
MFX-3978	Crimp Die - Size 20 (20-22AWG -02XX Series)
ATT-20-00	Hand Crimp Tool - Size 20 (20AWG)

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
ATRT-100	Contact and Wedgelock Extraction Tool
AT11-240-2005	Contact Removal Tool, Plastic, Size 20

Sealing Plugs (For both Machined or Stamped & Formed Contacts)	
Part Number	Description
AT13-204-2005	Sealing Plug, Size 20, White
AT13-204-2005-SR	Sealing Plug, Size 20, SR01 Series, Black
ATM13-217-2005	Locking Sealing Plug, Size 20, Grey
ATM13-217-2005-SR	Locking Sealing Plug, Size 20, SR01 Series, Blue