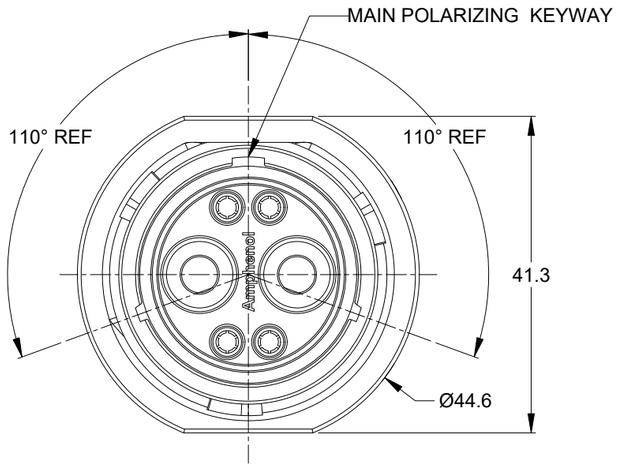
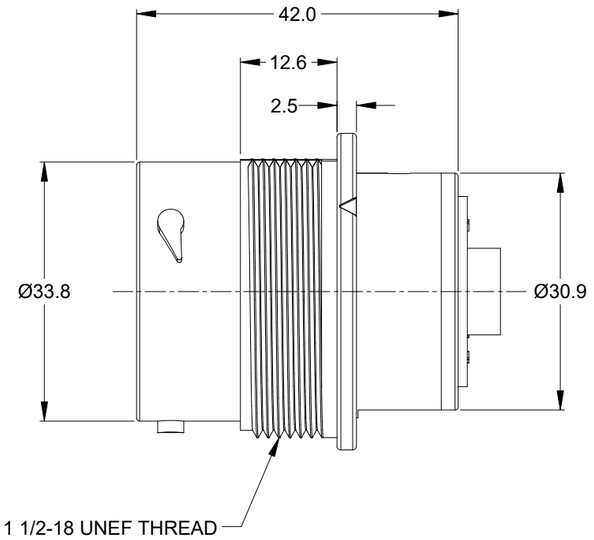
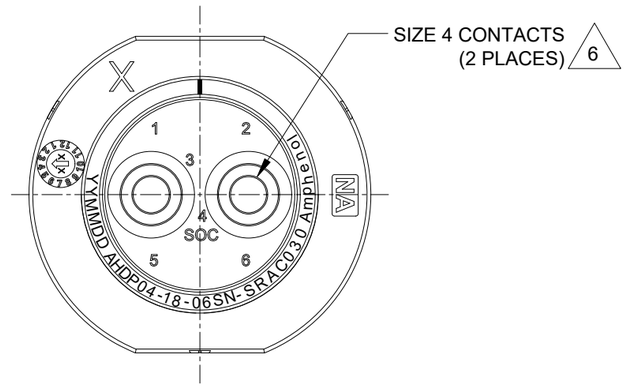
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASE NEW PRODUCT	19/AUG/20	IAN	TOMMY
A2	--	CHANGE THE ADAPTER DESCRIPTION	03/JUN/25	LEO	TOMMY
A3	--	ADDED DATE CLOCK, CAV. #, AND NA	21/JUL/25	RE	TZ







NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; BLACK
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: SMOOTH RING ADAPTER; (A2)
   STANDARD DIA. WIRE SEAL

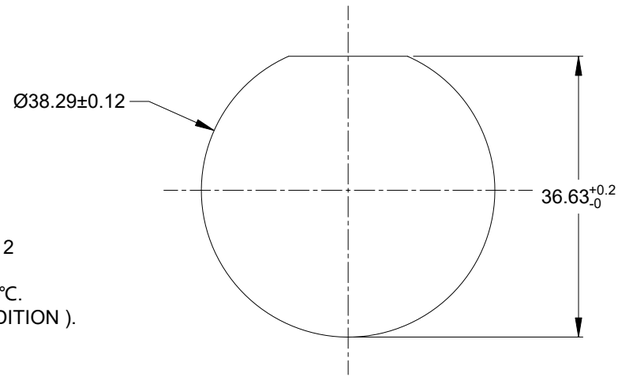
3. SPECIFICATIONS:
   3.1 OPERATING TEMPERATURE: -55℃ TO +125℃.
   3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25℃.
   3.4 MOISTURE RESISTANCE: IP67&IP69K (MATED CONDITION).
   3.5 MATING CYCLE DURABILITY: 100 CYCLES
   3.6 RoHS COMPLIANT

4. MATING PART: AHDP06-18-06P* (* = SEAL TYPE) (C030 OPTION)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

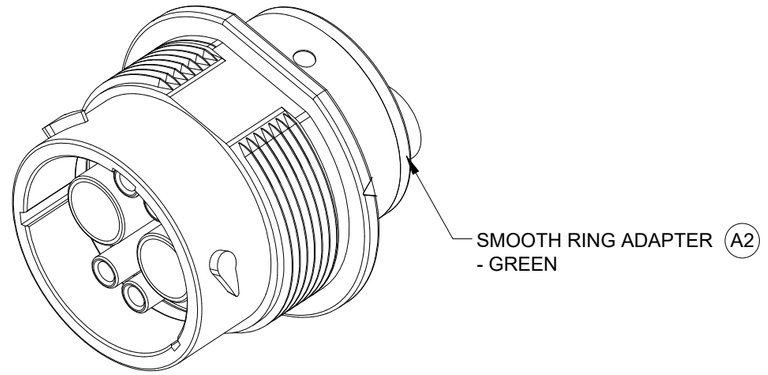
6 CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
4	6.63 mm (.261in)	7.42 mm (.292 in)	6 AWG (16.0-13.0mm²)	100 AMPS



RECOMMENDED PANEL
MOUNTING HOLE

RECOMMENDED PANEL
THICKNESS:1.6 TO 4.7MM



	AHDP04-18-06SN-SRAC030	REF:HDP24-18-6SN-C030	
	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:	LEO	03/JUN/25
CHECKED:	ORION	04/JUN/25
ENGINEER:		
APPROVAL:	TOMMY	05/JUN/25
CUSTOMER:		

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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Amphenol

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

RECEPTACLE,18-02POS, SOCKET CONTACT
STANDARD DIA. SEAL,DURAMATE AHDP SERIES

SIZE	TYPE	DWG NO:	REVISION
B	C-	AHDP04-18-06SN-SRAC030	A3

SCALE: NONE SHEET 1 OF 1

TITLE: RECEPTACLE,18-02 POS, SOCKET CONT,STANDARD DIA SEAL,DURAMATE AHDP SERIES
DWG NO: AHDP04-18-06SN-SRAC030
REV: A3
SH: 1
OF: 1

ARB, ATHD and DuraMate™ Series

Size 4 Contact & Tooling Options

Contacts - Machined

Part Number	Type	Style	Contact Size	Amp	Wire Range (AWG)	Wire Range (mm^2)	Insulation OD (mm)	Plating	Reel Size	Packaging
AT60-203-04141-4	Pin	Machined	Size 4	100A	4AWG	-	-	Nickel-Plated	-	-
AT60-203-0431-4	Pin	Machined	Size 4	100A	4AWG	-	-	Gold-Plated	-	-
AT60-204-0490	Pin	Machined	Size 4	100A	6AWG	-	-	Nickel-Plated	-	-
AT62-203-04141	Socket	Machined	Size 4	100A	6AWG	-	-	Nickel-Plated	-	-
AT62-203-04141-4	Socket	Machined	Size 4	100A	4AWG	-	-	Nickel-Plated	-	-
AT62-203-0431-4	Socket	Machined	Size 4	100A	4AWG	-	-	Gold-Plated	-	-

Tooling

Part Number	Tool Name	Style	Contact Size	Wire Range (AWG)	Material	Color
96-978-22	Crimper and Die	Machined	Size 3.6mm-10mm	$10mm^2$-$185mm^2$	n/a	n/a
AT11-027-0405	Contact Extraction Tool	Machined	Size 4	4AWG	Plastic	Black
WA23	Pneumatic Crimp Tool	Machined	-	8-0000AWG	-	-
WA23-138DA	WA23 Die Assembly for Pneumatic Crimp Tool	Machined	Size 4	4AWG	-	Silver
WA23-11	WA23 Locator for Pneumatic Crimp Tool	Machined	Size 4	4AWG	-	Blue