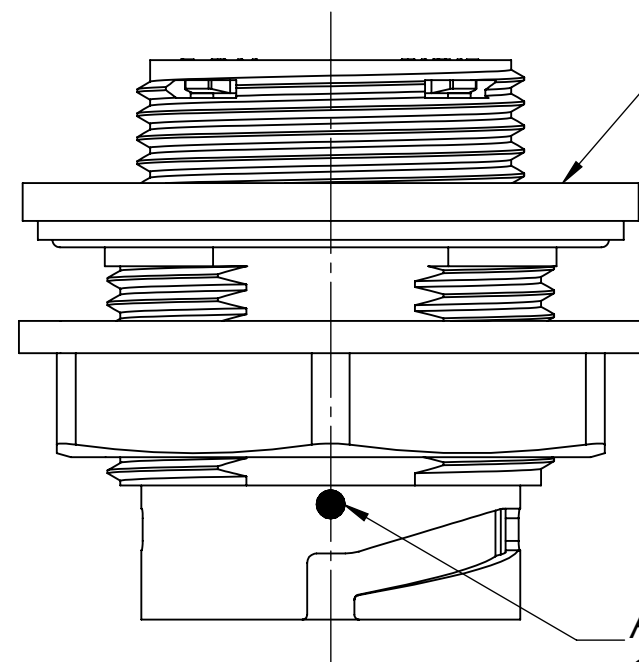


AMPHENOL CODE NUMBER	COLOR
APC07-12-12P()	BLACK
APC07-12-12P()JO	ORANGE

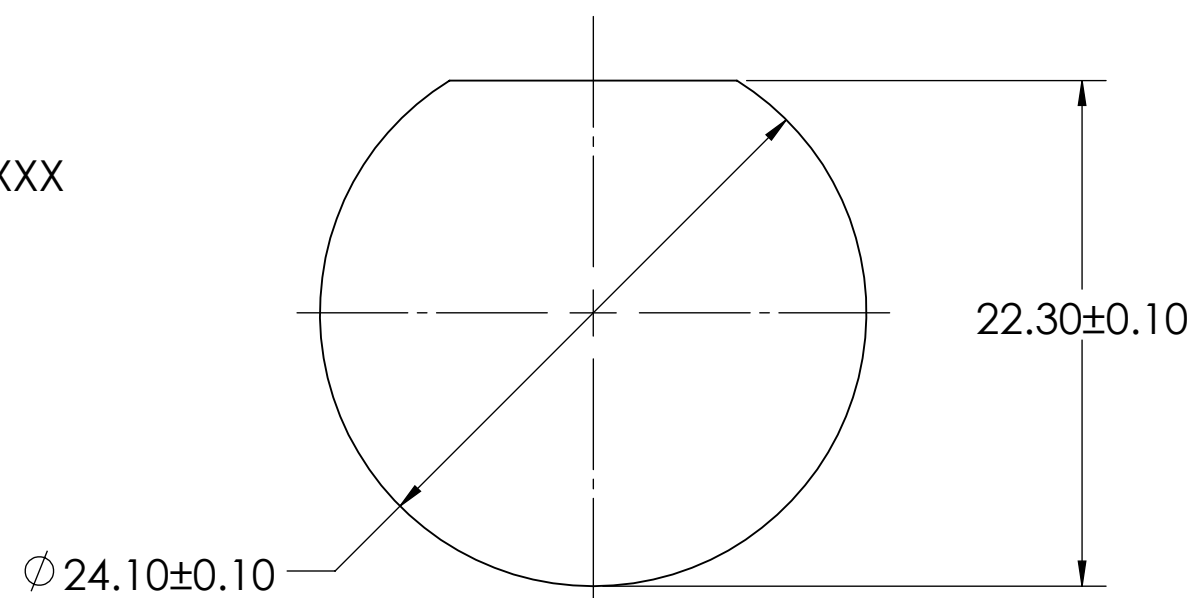
CUSTOMER DRAWING

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	PA1	INITIAL RELEASE	2024/1/26

KEYWAYS POSITION
SEE TABLE III



_STAMP :
~AMPHENOL APC07-12-12P XXXX



RECOMMEND PANEL CUTOUT DIMENSION

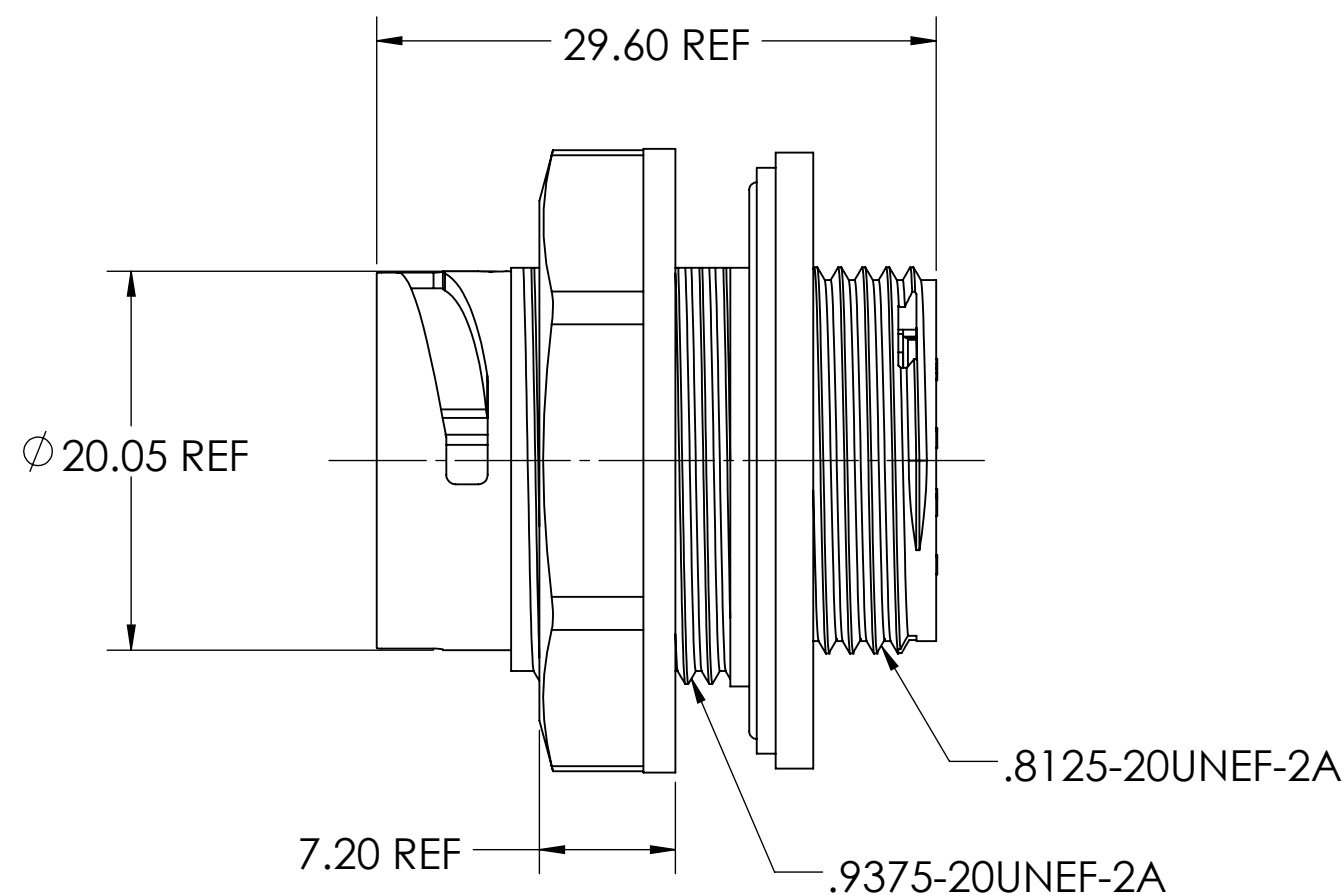
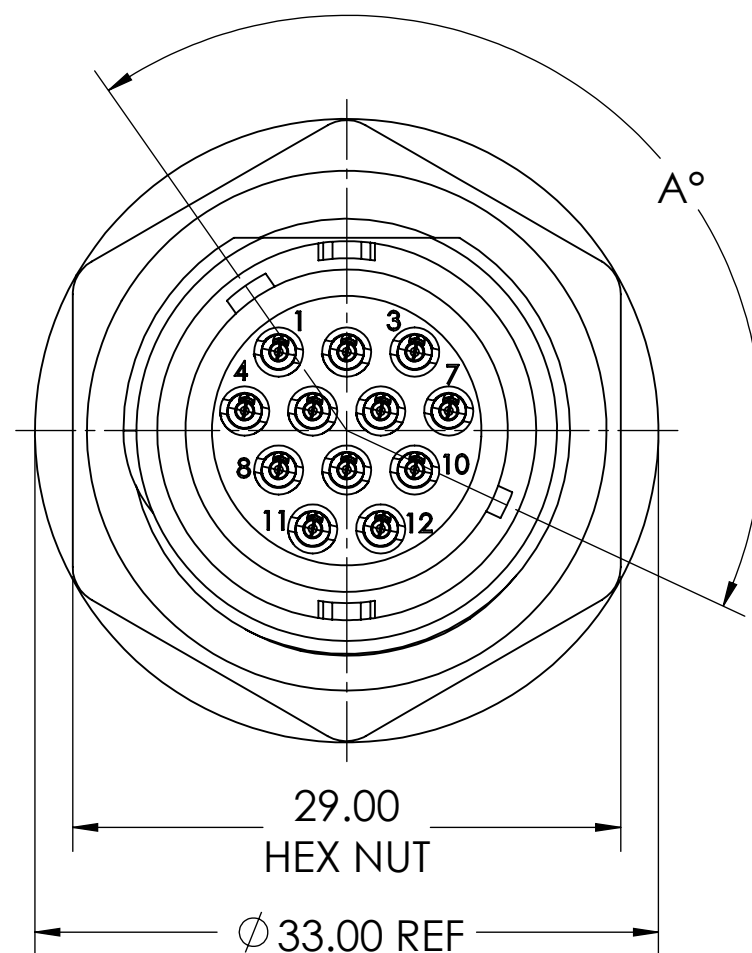
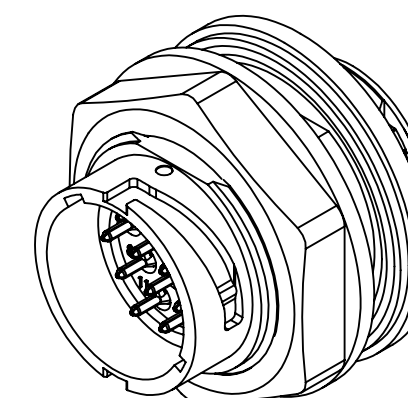


TABLE I	
SPECIFICATIONS	
CONTACT SIZE	SIZE 20
RATED CURRENT	7.5 Amps (1 PORTS) 3.7 Amps (12 PORTS)
OPERATING VOLTAGE	250VAC
DIELECTRIC WITHSTANDING VOLTAGE	1500VAC
OPERATING TEMPERATURE	-40~+105°C
INSULATION RESISTANCE	1000 MEGOHMS MIN (AT 25°C)
NUMBER OF CONTACTS	12 PINS
WIRE SIZE	18~22 AWG
DURABILITY	100 CYCLES
PROTECTIVE CLASS	IP67(MATED)

TABLE II			
CONTACT P/N	CONTACT SIZE	WIRE SIZE	WIRE RANGE
C10-781855-20()	SIZE 20	18~22 AWG	Φ 1.5~Φ 2.2mm

TABLE III	
KEYWAYS POSITION	
CODE	A
/	150°
W	165°
X	180°

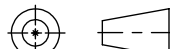


4. RECOMMENDED PANEL THICKNESS: 4.5mm MAX
3. MATERIAL:
HOUSING & HEX NUT: NYLON, UL94 V-0
COVER: PBT, UL94 V-0
SEALING: RUBBER, UL94 V-0
2. THIS P/N DOES NOT CONTAIN CONTACTS, WHICH SHOULD BE PURCHASED SEPARATELY. (CONTACT P/N: SEE TABLE II)
1. THE REFERENCED PRODUCT SHALL BE COMPLIANT RoHS DIRECTIVE.

NOTES

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

Next Assembly

UNLESS OTHERWISE SPECIFIED							APPROVALS				DATE												
LINEAR DIMENSIONS ARE IN MILLIMETERS TOLERANCES: <table><tr><td>DIM. RANGE</td><td>0.5-3</td><td>>3-6</td><td>>6-30</td><td>>30-120</td><td>>120-400</td></tr><tr><td>TOLERANCE</td><td>±0.1</td><td>±0.1</td><td>±0.2</td><td>±0.3</td><td>±0.5</td></tr></table> ANGLES = ±2° DIM. & TOL. PER ASME Y14.5M-1994; DRM PER MIL-DTL-31000; OTHER AMPHENOL STANDARDS: 9-9318							DIM. RANGE	0.5-3	>3-6	>6-30	>30-120	>120-400	TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	PREPARED BY:		Andy Zhang		2024/1/26
							DIM. RANGE	0.5-3	>3-6	>6-30	>30-120	>120-400											
							TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5											
							LEAD/PRODUCT ENGINEER:		Andy Zhang														
							ENGINEERING MANAGER:		Ran Xiao														
PRODUCT GROUP:		C&I																					
AIPG DIVISION:		AIO																					
							MATERIAL SPEC		PROCESS SPEC														
THIRD ANGLE PROJECTION							SEE NOTE 3		N/A														
																							

AMPHENOL CORPORATION Amphenol Technology (Zhuhai) Co. Ltd. No. 63 Xingnan Road, Sanzao Town, Jinwan, Zhuhai, PRC			
ELECTRICAL CONNECTOR, RECEPTACLE^U TYPE : APC07-12-12P() APC SERIES, SIZE 12			
SIZE	CAGE CODE	DOCUMENT NUMBER	REV
C	77820	APC07-12-12P() PA1	
SCALE: 3:1		REF:	SHEET 1 OF 1