MOTOR SPECIFICATIONS:					
	NUMBER OF PHASES:	2	ROTOR INERTIA (g-cm²/oz-in²):	9/0.05 NOM	
STEPS PER REVOLUTION: 200		INSULATION CLASS:	В (130°С)		
	STEP ANGLE (°):	1.8	BEARINGS:	ABEC 3, DOUBLE SHIELDED	

	RESISTANCE PER PHASE 5	INDUCTANCE PER PHASE 6	RATED CURRENT	HOLDING TO	DRQUE 1
	ohm ±10%	mH ±20%	AMP	mNm MIN	oz-in MIN
BI-POLAR	1.4	1.3	1.0	50	7.08

GEARMOTOR SPECIFICATIONS:							
TEMP. RISE (°C): 7	80 MAX	TOTAL WEIGHT (±10g/±0.35oz):	150/5.29				
OPERATING AMB. TEMP. RANGE (°C):	-10 to +50	RELATIVE HUMIDITY RANGE (%):	85 NON-CONDENSING				
STORAGE TEMP. RANGE (°C):	0 to +40						

GEARHEAD SPECIFICATIONS:						
RATIO:	4:1	EFFICIENCY (%):	90			
MAX TORQUE CONTINUOUS (Nm/oz-in):	0.5/70.8	BACKLASH (°):	≤1.2			
MAX TORQUE (Nm/oz-in):	0.8/113.3	MAX RADIAL LOAD (N/lbf):	≤20/4.49			
MAX INPUT SPEED (RPM):	6000	MAX AXIAL LOAD (N/lbf):	≤20/4.49			

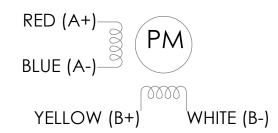
## NOTES, UNLESS OTHER WISE SPECIFIED:

В

- MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- HIPOT 500 VAC, 60Hz FOR ONE MINUTE.
- LEADS: 4, 26 AWG, 7 STRAND MIN. UL AND CSA APPROVED. UL 1007.
- INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- AS MEASURED ACROSS EACH PHASE.
- AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1 KHz.
- AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH CURRENT EU ROHS DIRECTIVE.
- MOTOR LABEL TO INCLUDE AMP LOGO, AMP WEBSITE ADDRESS, "RoHS" COMPLIANCE LOGO, AMP P/N, 'MADE IN (COUNTRY)', AND DATE CODE.
- 10 ADD "D" TO PART NUMBER IF DOUBLE SHAFT IS REQUIRED. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.

REVISIONS							
ECO#	REV.	DESCRIPTION	DATE	APPROVED			
7935			7/2/18	J. KORDIK			
8429			3/3/20	J. KORDIK			
8758 C REDRAWN IN SOLIDWORKS		4/18/22	L. LIU				

## **WIRING DIAGRAM**



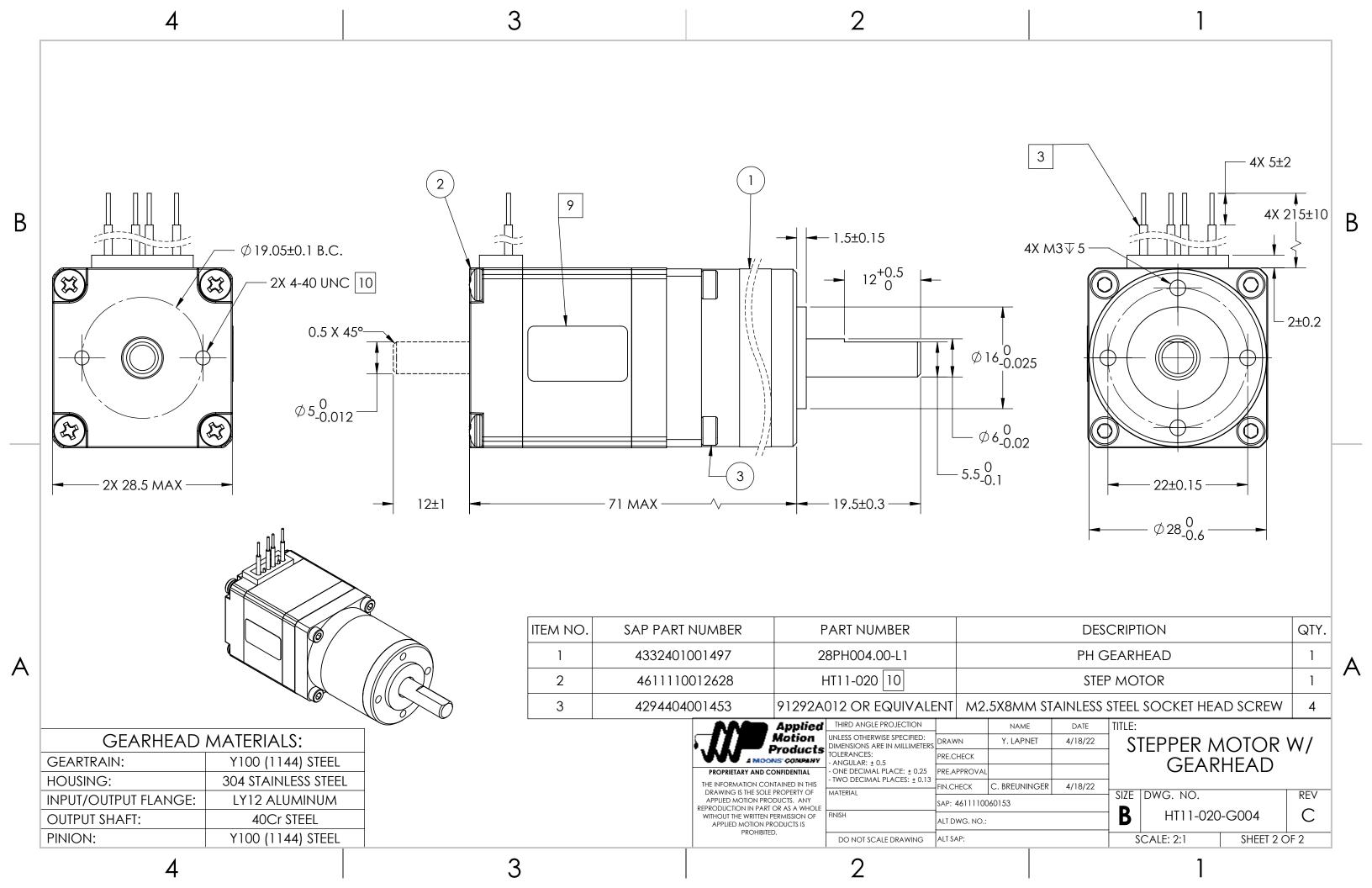
## DRIVE SEQUENCE MODEL BI-POLAR FULL STEP

	STEP	A+	A-	B+	B-
	1	+	-	+	-
	2	-	+	+	-
	3	-	+	-	+
<b>V</b>	4	+	-	-	+
CW	1	+	-	+	-

CW (CLOCKWISE) AND CCW (COUNTER-CLOCKWISE) ROTATION WHEN SEEN FROM THE MOUNTING FACE END OF THE MOTOR

Applied	THIRD ANGLE PROJECTION		NAME	DATE	TITLE:			
Motion	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS	DRAWN	Y. LAPNET	4/18/22	S	STEPPER MOTOR W/ GEARHEAD		
4 MOONS' COMPANY		PRE.CHECK						
PROPRIETARY AND CONFIDENTIAL	- ONE DECIMAL PLACE: ± 0.25	PRE.APPROVAL				GLAK	ПЦАО	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF	- TWO DECIMAL PLACES: ± 0.13	FIN.CHECK	C. BREUNINGER	4/18/22				
APPLIED MOTION PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE	MATERIAL	SAP: 4611110060153			SIZE	DWG. NO.		REV
WITHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS	FINISH	ALT DWG. NO.:			B HT11-020-G004		-G004	С
PROHIBITED.	DO NOT SCALE DRAWING	ALT SAP:			S	SCALE: 2:1 SHEET 1 OF 2		

CCW



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Applied Motion: HT11-020-G004