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			

CONNECTION	RESISTANCE PER PHASE 5	INDUCTANCE PER PHASE 6	RATED CURRENT	HOLDING TORQUE 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):	165/5.82				
OPERATING AMB. TEMP. RANGE (°C):	-10 to +50	RELATIVE HUMIDITY RANGE (%):	85 NON-CONDENSING				
STORAGE TEMP. RANGE (°C):	0 to +40						

GEARHEAD SPECIFICATIONS:					
RATIO:	22:1	EFFICIENCY (%):	81		
MAX TORQUE CONTINUOUS (Nm/oz-in):	2/283.2	BACKLASH (°):	≤1.8		
MAX TORQUE (Nm/oz-in):	3/424.8	MAX RADIAL LOAD (N/lbf):	≤20/4.49		
MAX INPUT SPEED (RPM):	6000	MAX AXIAL LOAD (N/lbf):	≤20/4.49		

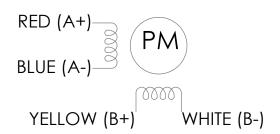
NOTES, UNLESS OTHER WISE SPECIFIED:

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	Α	INITIAL RELEASE	7/2/18	J. KORDIK
8429	В	TYPO CORRECTION	3/3/20	J. KORDIK
8758	С	REDRAWN IN SOLIDWORKS	4/18/22	L. LIU

WIRING DIAGRAM



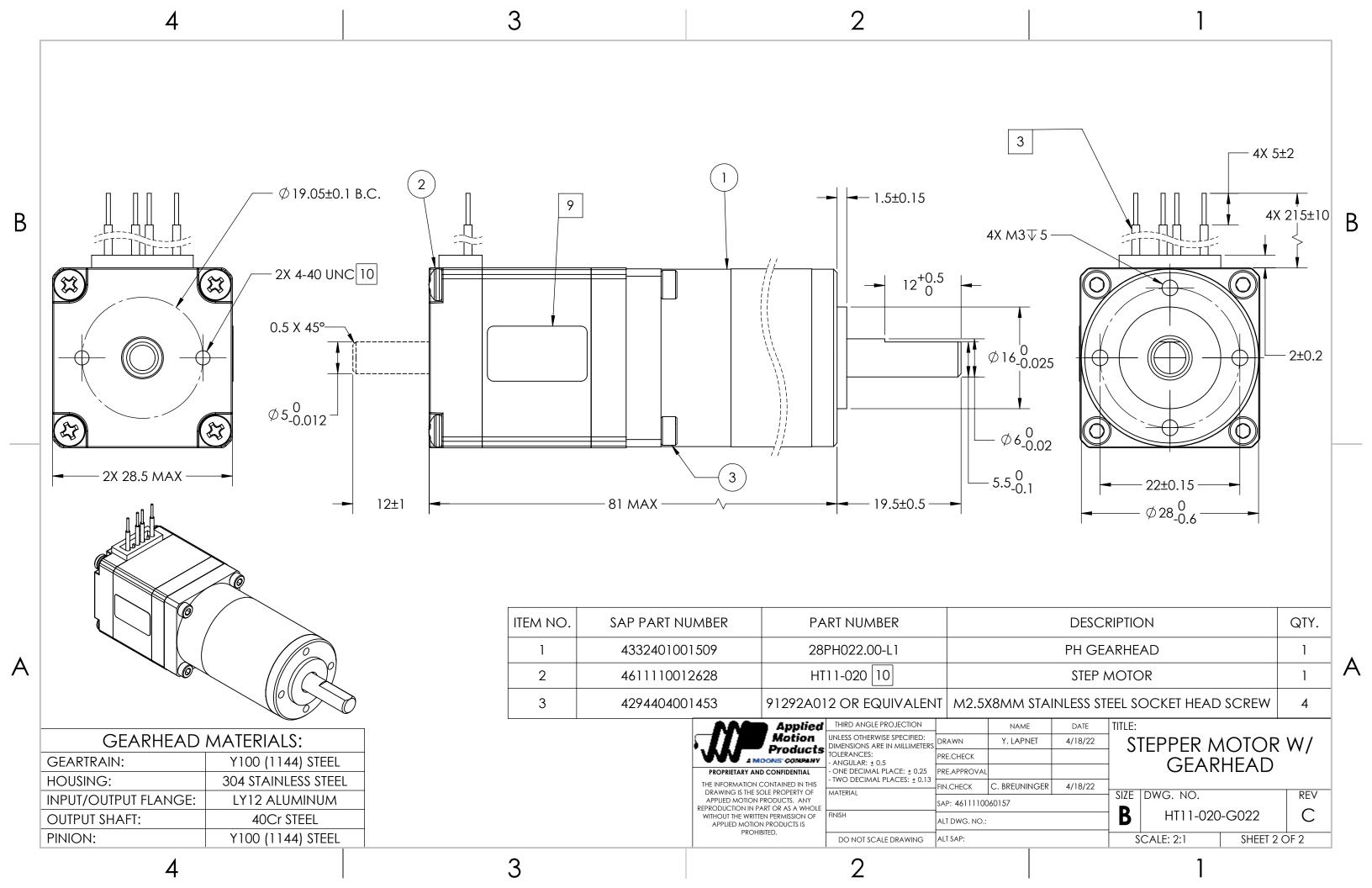
DRIVE SEQUENCE MODEL BI-POLAR FULL STEP

	STEP	A+	A-	B+	B-
	1	+	-	+	-
	2	-	+	+	-
	3	-	+	-	+
V	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 TOLERANCES: - ANGULAR: ± 0.5 - ONE DECIMAL PLACE: ± 0.25 - TWO DECIMAL PLACES: ± 0.13	DRAWN	Y. LAPNET	4/18/22	S	STEPPER MOTOR W/			
4 MOONS' COMPANY		PRE.CHECK				GEARHEAD			
PROPRIETARY AND CONFIDENTIAL		PRE.APPROVAL							
APPLIED MOTION PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE. WITHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS		FIN.CHECK	C. BREUNINGER	4/18/22					
	MATERIAL	SAP: 4611110060157			SIZE	DWG. NO.		REV	
	FINISH	ALT DWG. NO.:	ALT DWG. NO.:		B			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-G022