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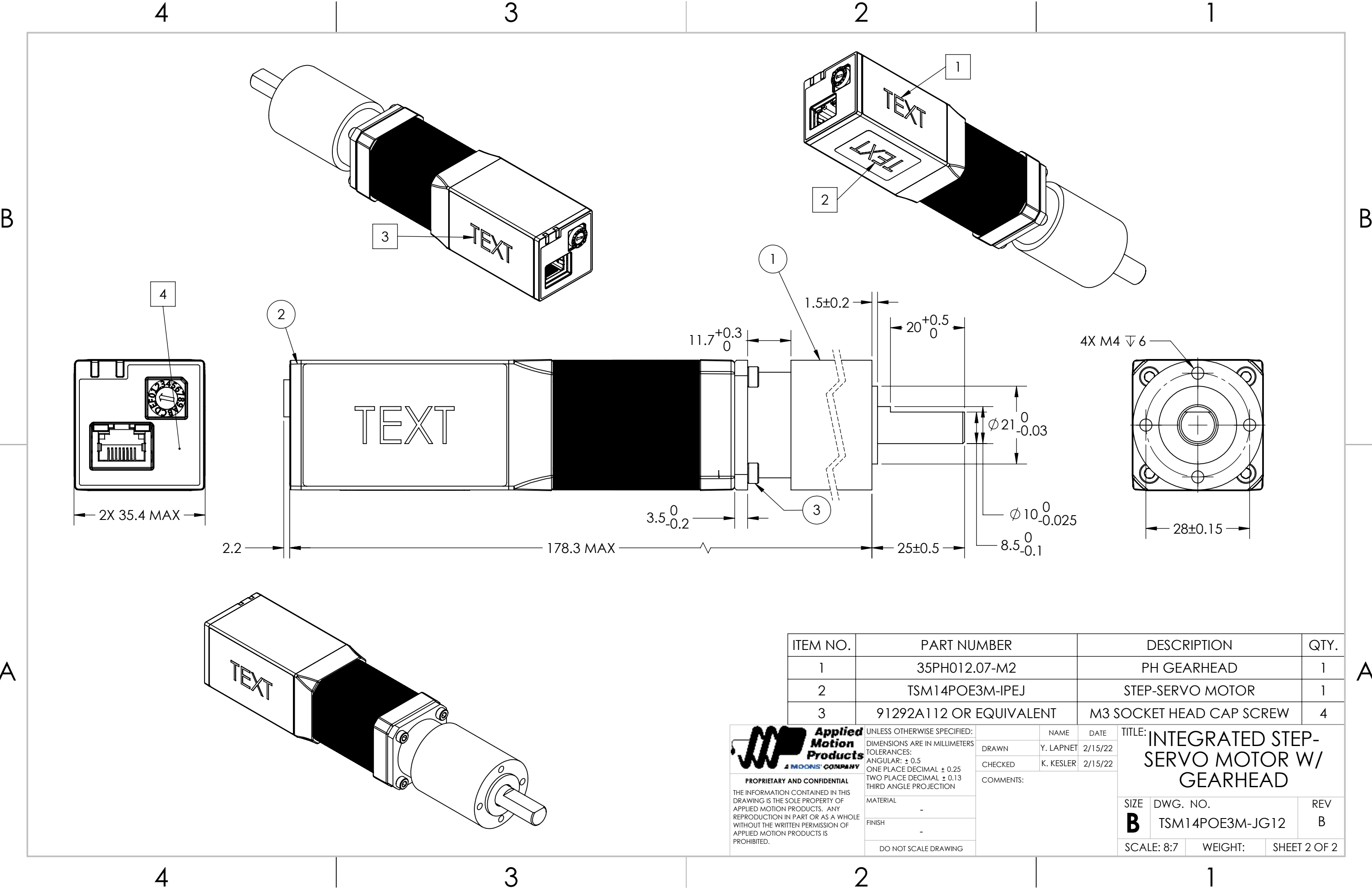
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2

1

MOTOR SPECIFICATIONS:			
FRAME SIZE:	NEMA 14	ROTOR INERTIA (g-cm ² /oz-in ²):	35.3/0.193 NOM
STEP ACCURACY (°)	± 0.09	INSULATION CLASS:	B (130°)
STEP ANGLE (°):	1.8	BEARINGS:	ABEC 3, DOUBLE SHIELDED
INPUT VOLTAGE(VDC):	42.5 TO 57	APPROVALS:	CE, RoHS
GEARMOTOR SPECIFICATIONS:			
TEMP. RISE (°C):	80 MAX	TOTAL WEIGHT (±10g/±0.35oz):	606.7/21.4
OPERATING AMB. TEMP. RANGE (°C):	-20 to +50	RELATIVE HUMIDITY RANGE (%):	85 NON-CONDENSING
STORAGE TEMP. RANGE (°C):	-20 to +70	IP RATING	IP20
GEARHEAD SPECIFICATIONS:			
RATIO:	12.07:1	EFFICIENCY (%):	81
MAX TORQUE CONTINUOUS (Nm/oz-in):	8/1132.9	BACKLASH (°):	≤1.2
MAX TORQUE (Nm/oz-in):	10/1416.1	MAX RADIAL LOAD (N/lbf):	≤200/44.96
MAX INPUT SPEED (RPM):	6000	MAX AXIAL LOAD (N/lbf):	≤200/44.96
GEARHEAD MATERIALS			
GEARTRAIN:	Y15(1213) STEEL		
HOUSING:	304 STAINLESS STEEL		
INPUT/OUTPUT FLANGE:	LY12 ALUMINUM		
OUPTUT SHAFT:	40Cr STEEL		
PINION:	Y15 (1213) STEEL		
NOTES, UNLESS OTHER WISE SPECIFIED:			
1	USE CURRENT REV OF 690-1274 LABEL.		
2	USE CURRENT REV OF 690-1279 LABEL.		
3	USE CURRENT REV OF 690-1280 LABEL.		
4	USE CURRENT REV OF 690-1285 LABEL.		
5. THIS ASSEMBLY IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.			
6. ALL SPECIFICATIONS AND OPERATING INSTRUCTIONS CAN BE FOUND AT APPLIED-MOTION.COM.			
 PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APPLIED MOTION PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS PROHIBITED. UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR: ± 0.5 ONE PLACE DECIMAL ± 0.25 TWO PLACE DECIMAL ± 0.13 THIRD ANGLE PROJECTION MATERIAL - FINISH - DO NOT SCALE DRAWING NAME DATE DRAWN Y. LAPNET 2/15/22 CHECKED K. KESLER 2/15/22 COMMENTS: TITLE: INTEGRATED STEP-SERVO MOTOR W/ GEARHEAD SIZE B DWG. NO. TSM14POE3M-JG12 REV B SCALE: 8:7 WEIGHT: SHEET 1 OF 2			

REVISIONS				
ECO #	REV.	DESCRIPTION	DATE	APPROVED
7935	A	INITIAL RELEASE	7/2/18	J.KORDIK
8750	B	REDRAWN IN SOLIDWORKS	2/15/22	L. LIU



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	35PH012.07-M2	PH GEARHEAD	1
2	TSM14POE3M-IPEJ	STEP-SERVO MOTOR	1
3	91292A112 OR EQUIVALENT	M3 SOCKET HEAD CAP SCREW	4

 Applied Motion Products A MOONS' COMPANY	UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: INTEGRATED STEP-SERVO MOTOR W/ GEARHEAD				
	DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR: ± 0.5 ONE PLACE DECIMAL ± 0.25 TWO PLACE DECIMAL ± 0.13 THIRD ANGLE PROJECTION		DRAWN	Y. LAPNET				2/15/22	
			CHECKED	K. KESLER	2/15/22				
			COMMENTS:						
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	-					B	TSM14POE3M-JG12	B	
	FINISH								
		-							
		DO NOT SCALE DRAWING							
						SCALE: 8:7		WEIGHT:	SHEET 2 OF 2