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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:	32.49:1	EFFICIENCY (%):	81
MAX TORQUE CONTINUOUS (Nm/oz-in):	6/849.7	BACKLASH (°):	≤1.2
MAX TORQUE (Nm/oz-in):	8/1132.9	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.

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	DIMENSIONS ARE IN MILLIMETERS		DRAWN			
	TOLERANCES:		Y. LAPNET		2/15/22	
	ANGULAR: ± 0.5		CHECKED		K. KESLER	
	ONE PLACE DECIMAL ± 0.25		COMMENTS:		2/15/22	
TWO PLACE DECIMAL ± 0.13						
THIRD ANGLE PROJECTION						
MATERIAL						
FINISH						
DO NOT SCALE DRAWING						

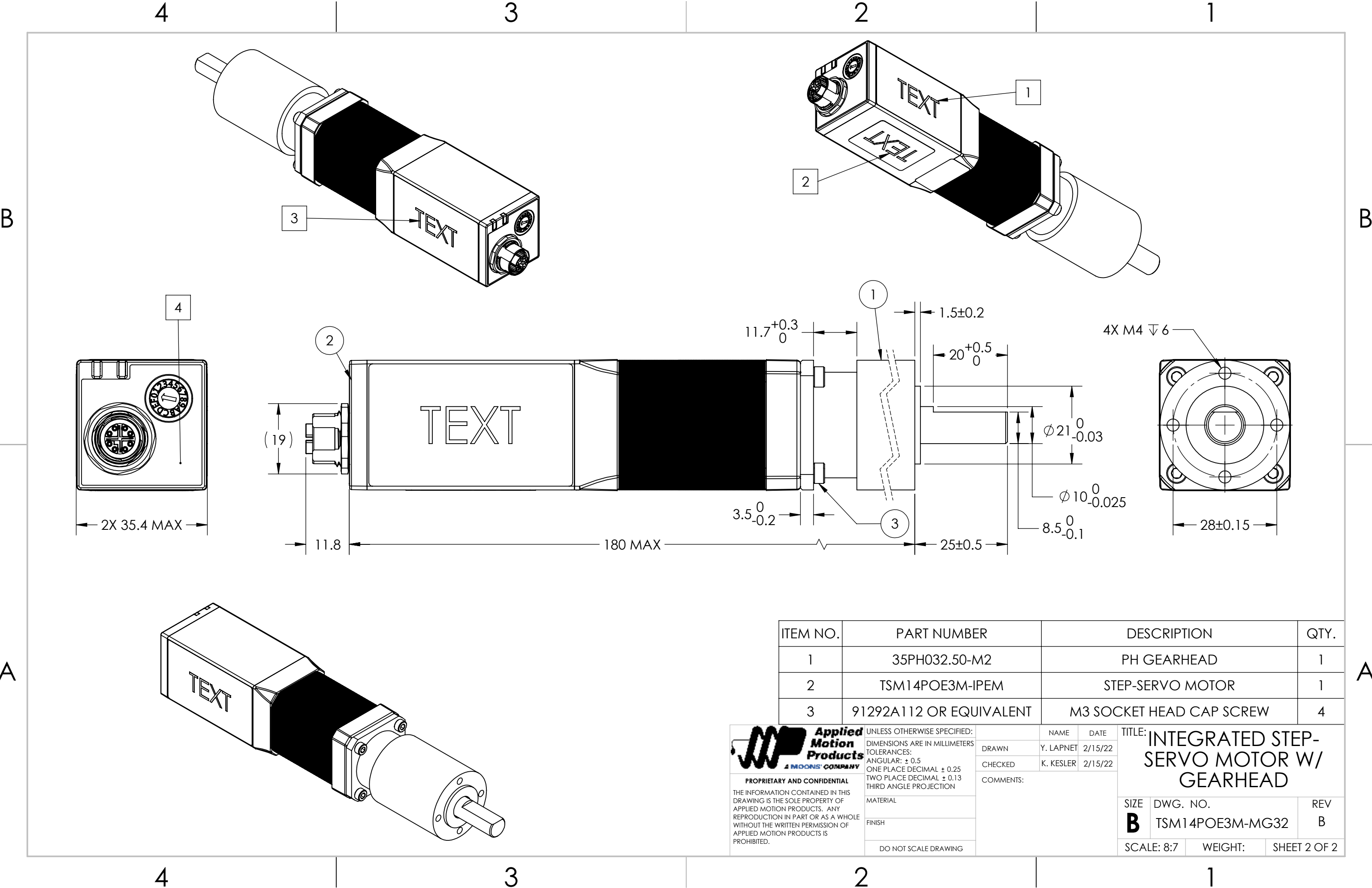
SIZE	DWG. NO.	REV
B	TSM14POE3M-MG32	B
SCALE: 8:7	WEIGHT:	SHEET 1 OF 2

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	35PH032.50-M2	PH GEARHEAD	1
2	TSM14POE3M-IPEM	STEP-SERVO MOTOR	1
3	91292A112 OR EQUIVALENT	M3 SOCKET HEAD CAP SCREW	4



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THIRD ANGLE PROJECTION

MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

DRAWN	Y. LAPNET	2/15/22
CHECKED	K. KESLER	2/15/22
COMMENTS:		

NAME	DATE
Y. LAPNET	2/15/22
K. KESLER	2/15/22

TITLE: **INTEGRATED STEP-SERVO MOTOR W/ GEARHEAD**

SIZE	DWG. NO.	REV
B	TSM14POE3M-MG32	B

SCALE: 8:7	WEIGHT:	SHEET 2 OF 2
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