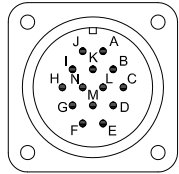
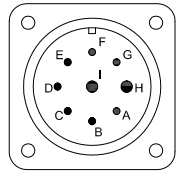


MOTOR MODEL NO.: <b>GM4040-41</b>		
CONFIG. CODE: <b>GM4040-41-10406811-343A</b>		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	<b>31.3</b>
PEAK TORQUE	IN-LB	<b>156.5</b>
TORQUE CONSTANT (K <sub>T</sub> )	IN-LB/AMPS	<b>3.44</b>
R <sub>A</sub> *	OHMS	<b>0.8</b>
INDUCTANCE (L <sub>A</sub> )*	MHY	<b>5.60</b>
BEMF *	VOLTS/1000 RPM	<b>41</b>
MAXIMUM SPEED	RPM	<b>3500</b>
INERTIA (J <sub>A</sub> )	IN-LB-SEC <sup>2</sup>	<b>0.01630</b>
TACHOMETER OUTPUT	VOLTS/1000 RPM	<b>N/A</b>
TACHOMETER RIPPLE	PERCENT	<b>N/A</b>
WEIGHT	LB/KG	<b>-</b>



97-3102A-20-27P (946)



97-3102A-20-16P (946)

PIN	FUNCTION	PIN	FUNCTION
A	ENCODER SHIELD	H	N/C
B	N/C	I	N/C
C	N/C	J	CHANNEL B-
D	CHANNEL Z+	K	N/C
E	CHANNEL B+	L	CHANNEL Z-
F	ENCODER COMMON	M	ENC. +5VDC
G	CHANNEL A+	N	CHANNEL A-

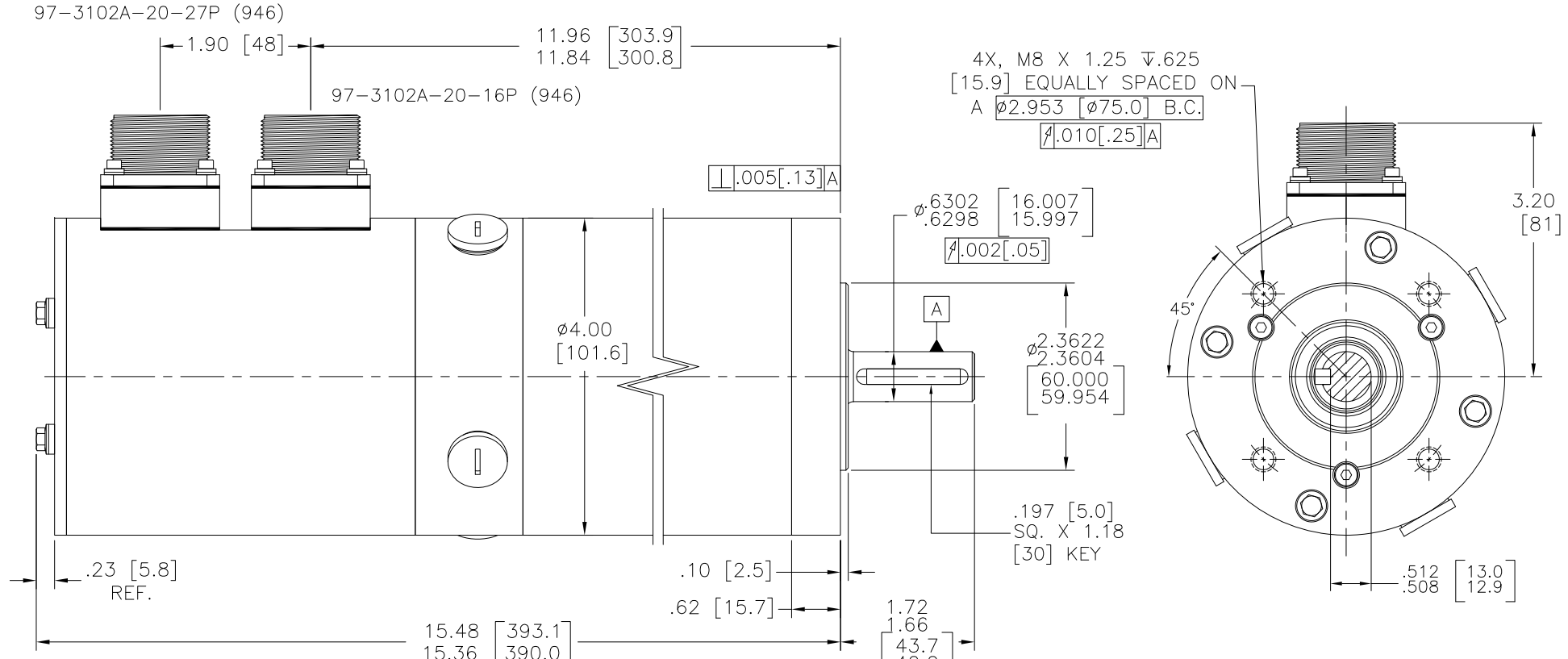
  

PIN	FUNCTION	PIN	FUNCTION
A	N/C	F	BRAKE -
B	N/C	G	N/C
C	TEMP. SW.	H	MOTOR +
D	TEMP. SW.	I	MOTOR -
E	BRAKE +		

REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	5366	23OCT20	K. HALE	R.D.M.

ENCODER'S DATA CHART	
LINE COUNT	1000 PPR
FREQUENCY RESPONSE	200 kHz MAX. (UP TO 85 °C) 100 kHz MAX. (UP TO 100 °C)
RISE AND FALL TIME	100 nSEC. MAX.
FRICITION TORQUE	5.9 X 10 <sup>-3</sup> N • m MAX. (60 g - cm MAX.)
ROTOR MOMENT OF INERTIA	1 X 10 <sup>-6</sup> kg • m <sup>2</sup> MAX. (10 g - cm <sup>2</sup> MAX.)
MAX. SPEED	100 S <sup>-1</sup> (6000 RPM)
OPERATING TEMP. RANGE	-20 °C ~ +100 °C
STORAGE TEMP. RANGE	-25 °C ~ +100 °C
VIBRATION (TEST ARTICLES)	49 m/S <sup>2</sup> (5 G) 10 ~ 500 Hz.
SHOCK (TEST ARTICLES)	490 m/S <sup>2</sup> (50 G) 11 mSEC.

\* INDICATES ±10%



- 4. SHAFT SEAL INSTALLED.
- 3. MOTOR FINISH: BLACK.
- 2. INCHES [MILLIMETERS].
- 1. WITH A POSITIVE VOLTAGE APPLIED TO PIN# "H" (RED MOTOR LEAD) WITH RESPECT TO PIN # "I" (BLACK MOTOR LEAD), THE MOTOR DRIVE SHAFT WILL TURN IN THE "CW" (CLOCKWISE) DIRECTION AS VIEWED FROM THE SHAFT END.

NOTE: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVAL	DATE
TOLERANCES ARE AS FOLLOWS: DECIMAL: .XX = ±0.01 .XXX = ±0.005 ANGULAR: < = ±0.5°	DWN BY: K. HALE	23OCT20
FINISH: 125 ✓ MAXIMUM	CHK BY: R.D.M.	23OCT20
	APP BY: R.D.M.	23OCT20

**GLENTEK** Solutions for Motion Control®  
 208 Standard Street  
 El Segundo, CA 90245 USA  
 310.322.3026 FAX 310.322.7709  
 www.glenetek.com

DRAWING TITLE  
**INSTALLATION DRAWING**

SIZE <b>C</b>	MODEL <b>GM4040-41</b>	DRAWING NUMBER <b>30267-1</b>	REV <b>A</b>
SCALE: 1:1	FILE NAME: 30267-1RA.DWG	SHEET 1 OF 1	

CONFIGURATION CODE: GM4040-41-10406811-343A