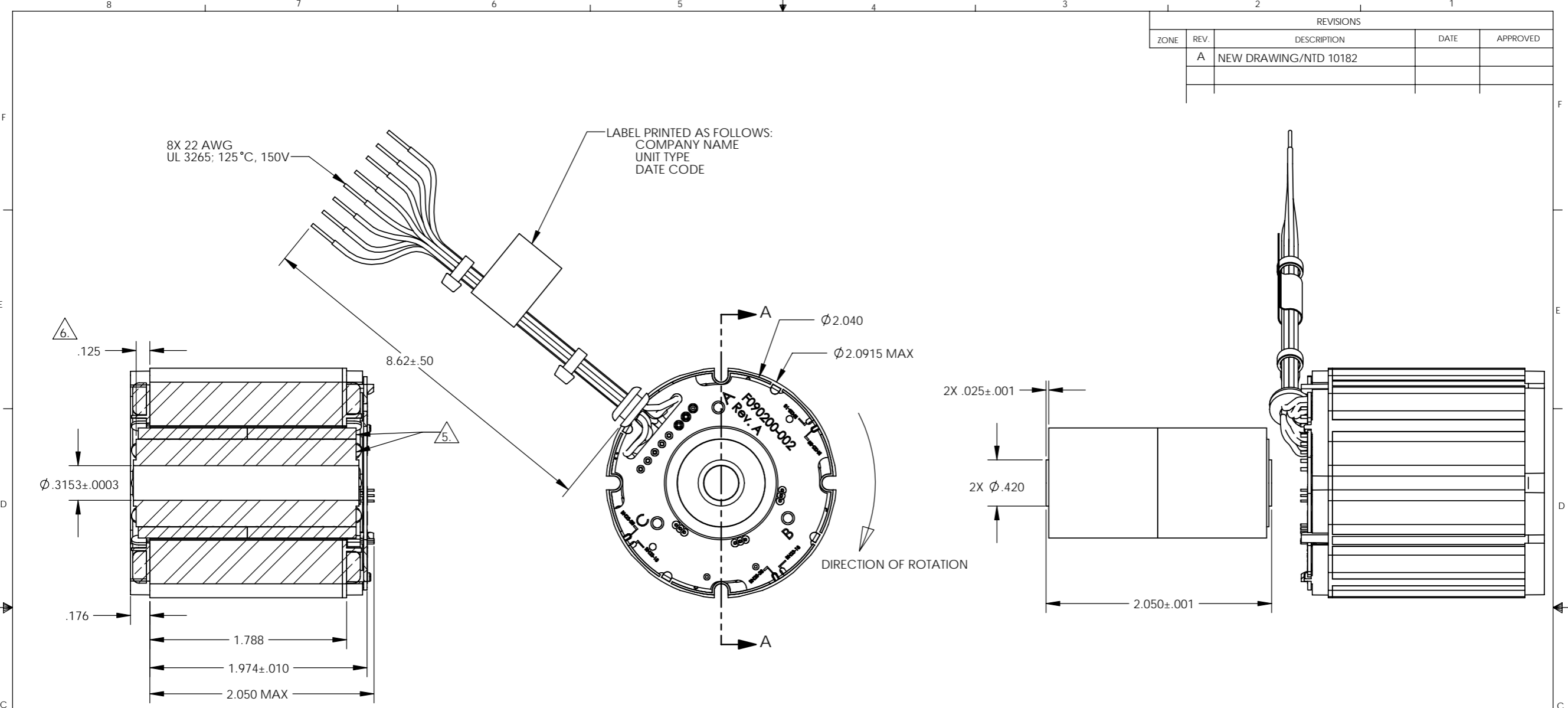


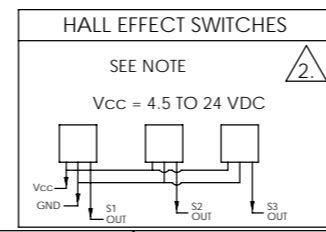
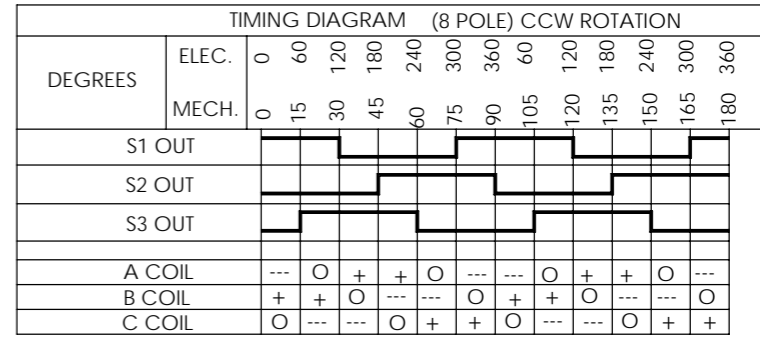
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	NEW DRAWING/NTD 10182		



- NOTES UNLESS OTHERWISE SPECIFIED:
1. INTERPRET DRAWING PER ASME Y14.100.
 2. OPEN COLLECTOR OUTPUTS, USE PULL UP RESISTORS BETWEEN V_{CC} AND OUTPUTS.
 3. TESTED AS A MOTOR ASSEMBLY MOUNTED TO 6" X 6" X 1/4" ALUMINUM PLATE, STILL AIR.
 4. MAXIMUM WINDING TEMPERATURE OF 155°C.
 5. MAGNET RING AND ROTOR CORE: FLUSH ±.002 ON THIS SIDE.
 6. RECOMENDED ROTOR CORE TO STACK MOUNTING DIMENSION.

PERFORMANCE AT 25°C				
PARAMETER	SYMBOL	UNITS	TOLERANCE	VALUE
TERMINAL VOLTAGE	V	VOLTS DC	NOMINAL	36
PEAK TORQUE	T _P	OZ-IN	MAXIMUM	186
CONTINUOUS STALL TORQUE	T _C ¹	OZ-IN	MAXIMUM	54.3
NO LOAD SPEED	S _{NL}	RPM	NOMINAL	7500
RATED SPEED	S _R	RPM		5590
RATED TORQUE		OZ-IN	MAXIMUM	51.9
RATED CURRENT		AMPS		7.66
RATED POWER		WATTS		215
TORQUE SENSITIVITY	K _T	OZ-IN/AMP	±10%	6.30
BEMF CONSTANT	K _E	VOLTS/KRPM	±10%	4.66
TERMINAL RESISTANCE	R _M	OHMS	±12%	0.366
TERMINAL INDUCTANCE	L _M	mH	±30%	0.490
MOTOR CONSTANT	K _M	OZ-IN/√WATTS	NOMINAL	10.41
SPEED TORQUE GRADIENT		RPM/OZ-IN		36.80
MECHANICAL TIME CONSTANT		msec		2.50
ELECTRICAL TIME CONSTANT		msec		1.34
THERMAL RESISTIVITY		°C/WATT		1.80

TERMINATION TABLE	
COLOR	CONNECTION
VIOLET	A COIL
BLACK	B COIL
GREEN	C COIL
YELLOW	V _{CC}
GREY	GROUND
BROWN	S1 OUT
BLUE	S2 OUT
WHITE	S3 OUT



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XX ±.010 XXX ±.005 XXXX ±.0005	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	
	APPROVALS	DATE
	DRAWN R. PACE	1/31/06
	CHECKED R. MARTIN	2/10/06
	ENGR D. THOMPSON	2/10/06
	RELEASED R. MARTIN	2/14/06
MFG ENGR L. FORRISTER	2/13/06	
SHOP ENGR		
CA B. LITTLE	2/10/06	

MOOG COMPONENTS GROUP

TITLE: BRUSHLESS D.C. MOTOR OUTLINE

SIZE: C CAGE CODE: 4H618 DWG. NO.: BN23-28ZMG-02LH

SCALE: 1.5:1 CAD FILE: BN23-28ZMG-02LH SHEET 1 OF 1