

WIRING DIAGRAM

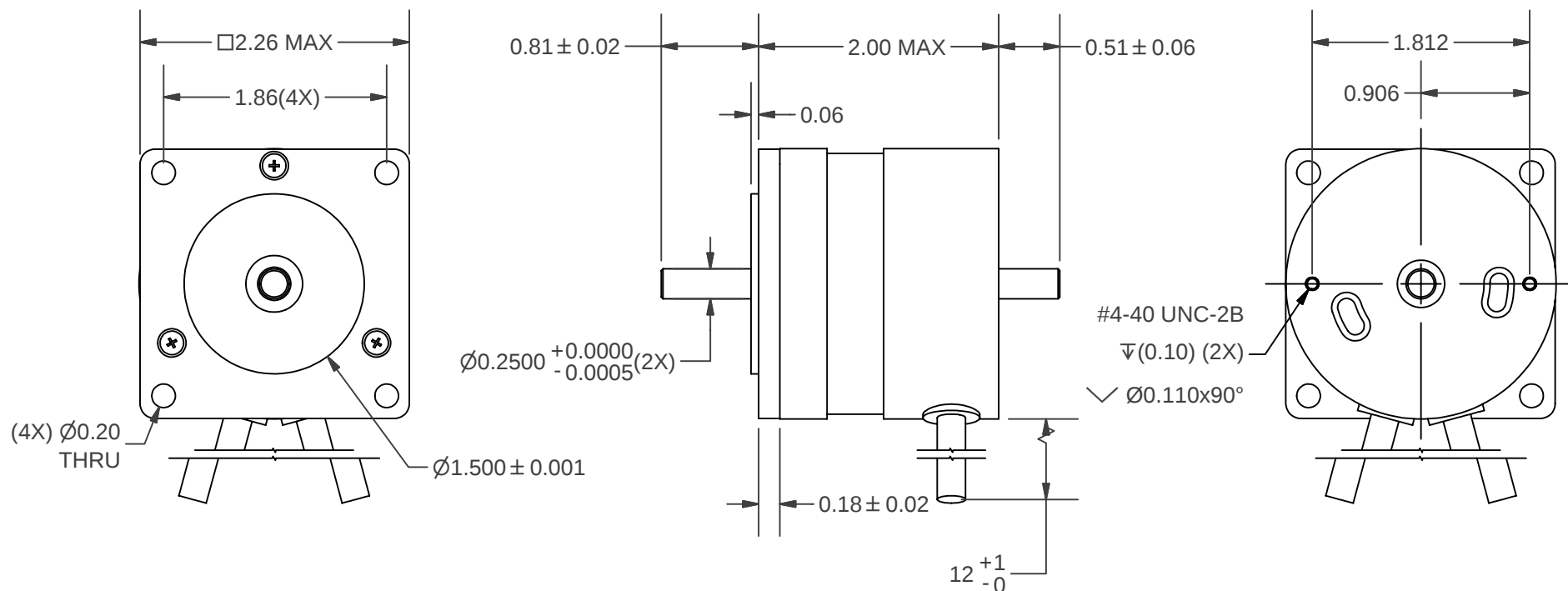
Hall Vcc	Hall A	Hall B	Hall C	GND	Phase A	Phase B	Phase C
RED/WHT	BLUE	GREEN	WHITE	BLK/WHT	YELLOW	RED	BLACK

UL 1007 / 22AWG

- ALL MATERIALS MUST BE ROHS COMPLIANT
- ROHS C.O.C. REQUIRED FOR EACH SHIPMENT

REVISION HISTORY

ECN	REV	DATE	DESCRIPTION	INIT
23622	A	4/12/11	ORIGINAL	BR



NUMBER OF ROTOR POLES	4
RATED VOLTAGE	36 V
LINE TO LINE RESIST. (±10%)	1.8 Ohm
RATED TORQUE	16.5 oz-in
RATED SPEED	4000 RPM
INSULATION CLASS	B

LIN ENGINEERING
Step Motor Specialists
www.linengineering.com

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of Lin Engineering.

IDENTIFIES FEATURE(S) THAT REQUIRE SPECIAL QUALITY ATTENTION

Unless Otherwise Specified
Dimensions Are In:

Inches [mm]

Tolerances Are:

Angles ±1°

Chamfer ±5°

Deburr All Edges 0.005" MAX

Inches	mm
.xx ± .01	.x ± 0.25
.xxx ± .005	.xx ± 0.13
.xxxx ± .0005	.xxx ± 0.013

APPROVALS

DRWN: Ben Ramos

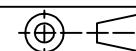
CHKD:

DATE

4/12/2011

APRV:

THIRD ANGLE
PROJECTION



TITLE

BLDC MOTOR OUTLINE

MOTOR NUMBER

BL24B20-02D-03RO

MATERIAL

001-07700

SIZE

A

DRAWING NO.

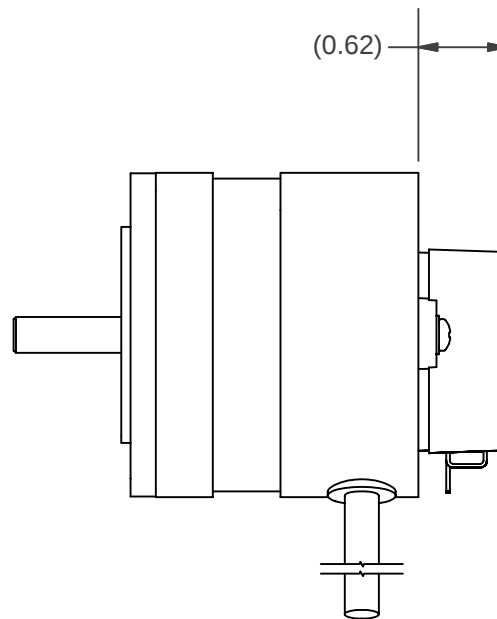
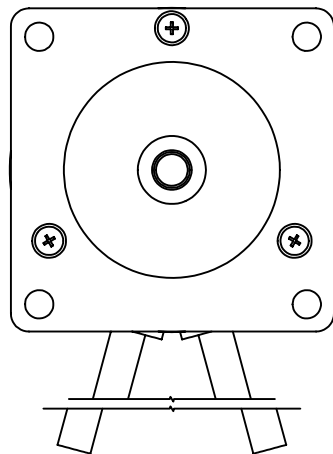
001-09041

SCALE 0.75 : 1

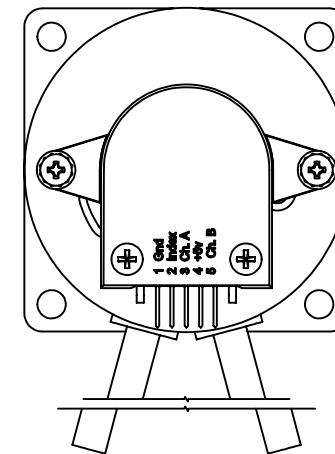
DO NOT SCALE
DRAWING

SHEET

1 OF 2



ENCODER
LIN # 061-00153
(E2 TYPE
1000 CPR
WITH "I" OPTION)



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ⓀA IDENTIFIES FEATURE(S) THAT REQUIRE SPECIAL QUALITY ATTENTION

Unless Otherwise Specified
Dimensions Are In:
Inches [mm]
Tolerances Are:
Angles $\pm 1^\circ$
Chamfer $\pm 5^\circ$
Deburr All Edges 0.005" MAX

Inches	mm
.xx $\pm .01$	.x ± 0.25
.xxx $\pm .005$	.xx ± 0.13
.xxxx $\pm .0005$	.xxx ± 0.013

APPROVALS

DRWN: Ben Ramos

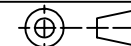
CHKD:

DATE

4/12/2011

APRV:

THIRD ANGLE
PROJECTION



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MOTOR NUMBER

BL24B20-02D-03RO

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001-07700

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DRAWING NO.

001-09041

SCALE

0.75 : 1

DO NOT SCALE
DRAWING

SHEET

2 OF 2