MOTOR PARAMETERS	ENGLISH UNITS	METRIC UNITS
CONTINUOUS TORQUE	12.13 in lb	1.37 N m
CONTINUOUS CURRENT	4.90 A_{RMS} / 6.93 A_{PK-PK}	
PEAK TORQUE	36.38 in lb	4.11 N m
PEAK CURRENT	14.71 A_{RMS} / 20.80 A_{PK-PK}	
RATED SPEED	3000 RPM / 315 rad/s	
MAX. OPERATING SPEED	4500 RPM / 473 rad/s	
RATED POWER	0.54 HP / 400 W	
BACK EMF CONSTANT (K_E)	20.73 V/kRPM	
TORQUE CONSTANT (K_T)	2.48 in lb / A_{PK}	0.20 N m / A_{PK}
PHASE INDUCTANCE @25°C	2.540 mH	
PHASE RESISTANCE @25°C	0.700 ohms	
INERTIA (WITHOUT BRAKE)	$1.13x10^{-1}$ lb in^2	$3.30x10^{-1}$ kg cm^2
INERTIA (WITH BRAKE)	$1.20x10^{-1}$ lb in^2	$3.50x10^{-1}$ kg cm^2
NUMBER OF POLES	8	

POWER CONNECTOR
RECEPTACLE: 172167-1
PIN: 170360-1

PIN	SIGNAL
1	U
2	V
3	W
4	G

MATING CONNECTOR
CAP: 172159-1
SOCKET: 170362-1
OR: 170366-1

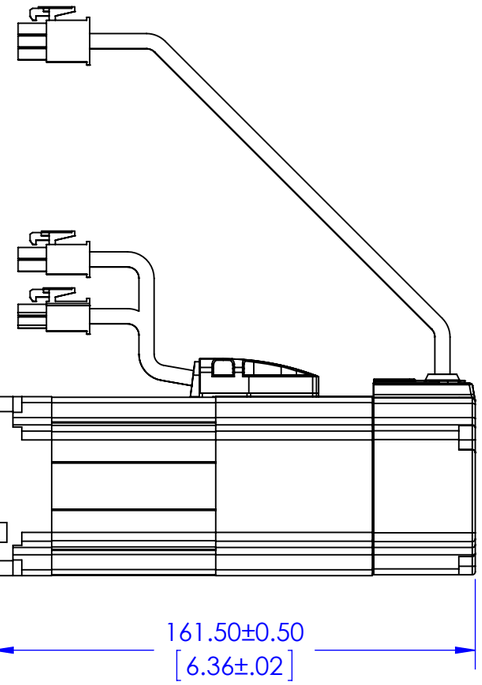
BRAKE CONNECTOR
PLUG: 172165-1
PIN: 170360-1

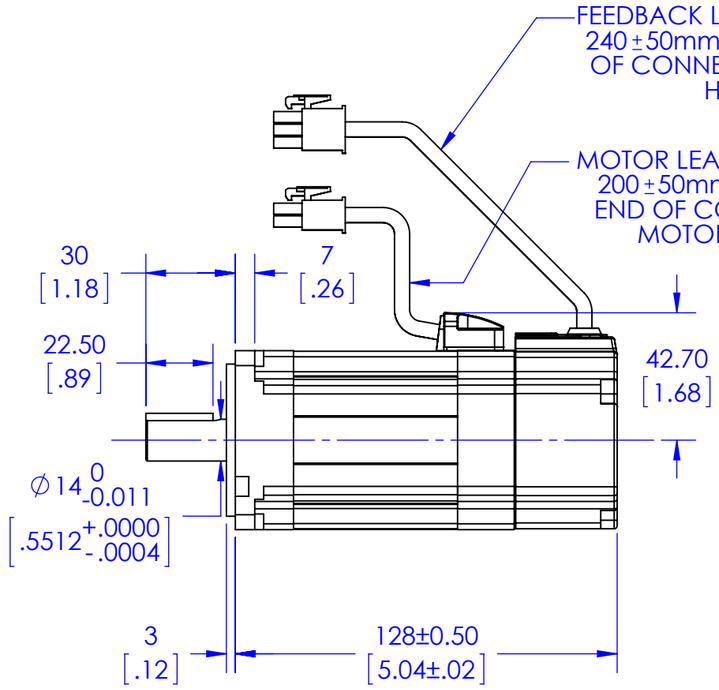
PIN	SIGNAL
1	BRAKE
2	BRAKE

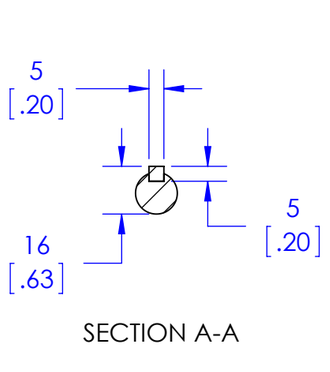
MATING CONNECTOR
CAP: 172157-1
SOCKET: 170362-1
OR: 170366-1

BRAKE INFORMATION		MOTOR FLANGE SIZE
ITEM	UNIT	60 mm
STATIC FRICTION TORQUE	N m	1.69
ROTOR INERTIA	10^{-1} kg cm^2	0.20
ARMATURE SUCTION TIME	ms	50
ARMATURE RELEASE TIME	ms	15
RELEASE VOLTAGE	DC, V	2 (AT 20°C)
EXCITATION VOLTAGE	DC, V	24 ± 2.4
EXCITATION CURRENT	DC, A	0.36

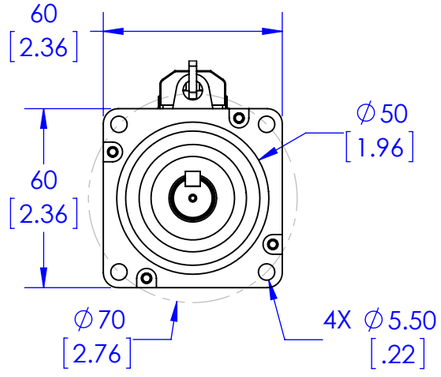
WITH BRAKE:
DIMENSIONS COMMON EXCEPT
WHERE INDICATED







SECTION A-A



QUICKMOTION
23011 MOULTON PARKWAY, SUITE J3
LAGUNA HILLS, CA 92653

TITLE: QS60-A04-xB2
QS60-A04-xN2

SIZE	DWG. NO.	REV
B	060-0400-01	A
SCALE: NONE	SHEET 1 OF 1	