MOTOR PARAMETERS	ENGLISH UNITS	METRIC UNITS
CONTINUOUS TORQUE	5.75 in lb	0.65 N m
CONTINUOUS CURRENT	2.60 A_{RMS} / 3.68 A_{PK-PK}	
PEAK TORQUE	17.26 in lb	1.95 N m
PEAK CURRENT	7.78 A_{RMS} / 11.00 A_{PK-PK}	
RATED SPEED	3000 RPM / 315 rad/s	
MAX. OPERATING SPEED	5000 RPM / 525 rad/s	
RATED POWER	0.27 HP / 200 W	
BACK EMF CONSTANT (K_C)	18.54 V/kRPM	
TORQUE CONSTANT (K_T)	2.21 in lb / A_{PK}	0.18 N m / A_{PK}
PHASE INDUCTANCE @25°C	5.000 mH	
PHASE RESISTANCE @25°C	1.540 ohms	
INERTIA (WITHOUT BRAKE)	6.49x10^{-2} lb in^2	1.90x10^{-1} kg cm^2
INERTIA (WITH BRAKE)	7.18x10^{-2} lb in^2	2.10x10^{-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

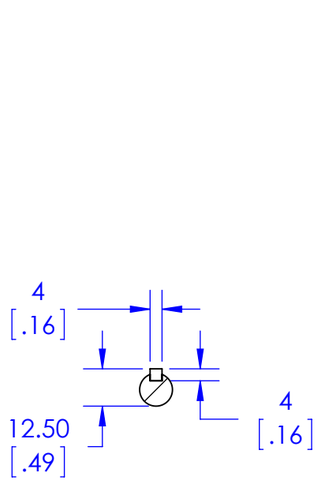
MATING CONNECTOR
CAP: 172159-1
SOCKET: 170562-1
OR: 170266-1

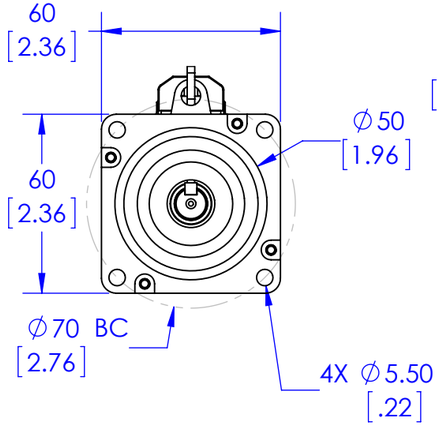
BRAKE CONNECTOR
PLUG: 172165-1
PIN: 170360-1

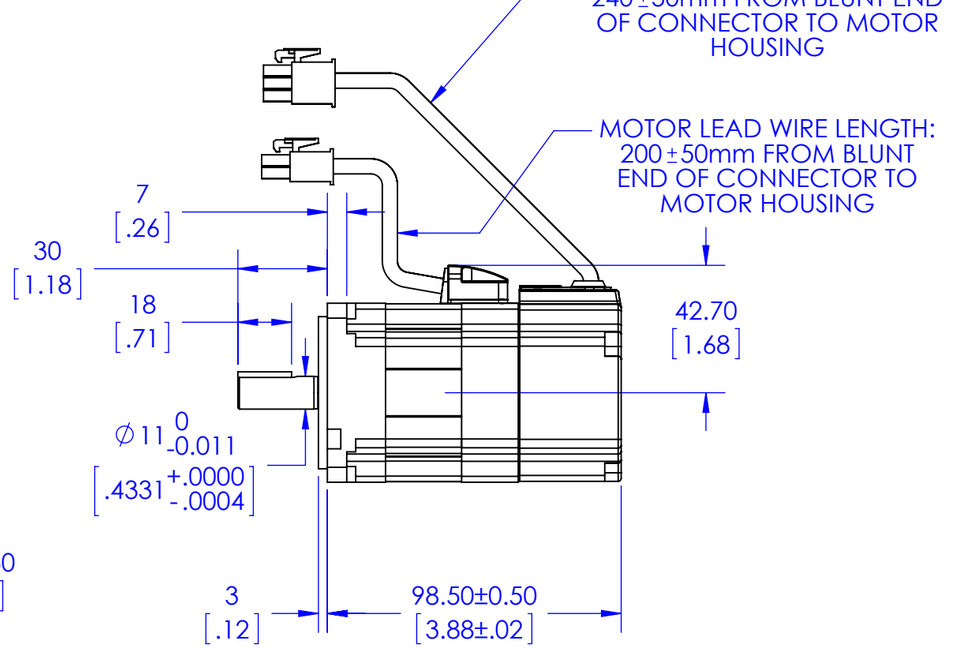
PIN	SIGNAL
1	BRAKE
2	BRAKE

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

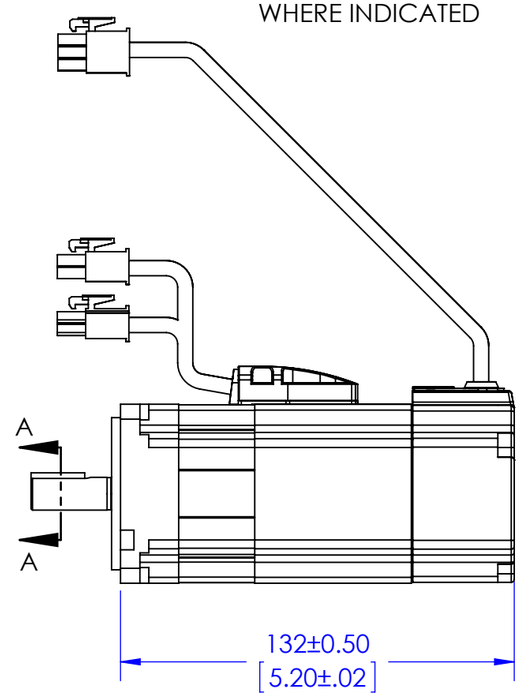
BRAKE INFORMATION		MOTOR FLANGE SIZE
ITEM	UNIT	60 mm
STATIC FRICTION TORQUE	N m	1.69
ROTOR INERTIA	10^{-1} kg cm^2	0.20
ARMATURE SUCTION TIME	ms	50
ARMATURE RELEASE TIME	ms	15
RELEASE VOLTAGE	DC, V	2 (AT 20°C)
EXCITATION VOLTAGE	DC, V	24 ± 2.4
EXCITATION CURRENT	DC, A	0.36







WITH BRAKE:
DIMENSIONS COMMON EXCEPT
WHERE INDICATED



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

TITLE: QS60-A02-xB2
QS60-A02-xN2

SIZE	DWG. NO.	REV
B	060-0200-01	A

SCALE: NONE | SHEET 1 OF 1