

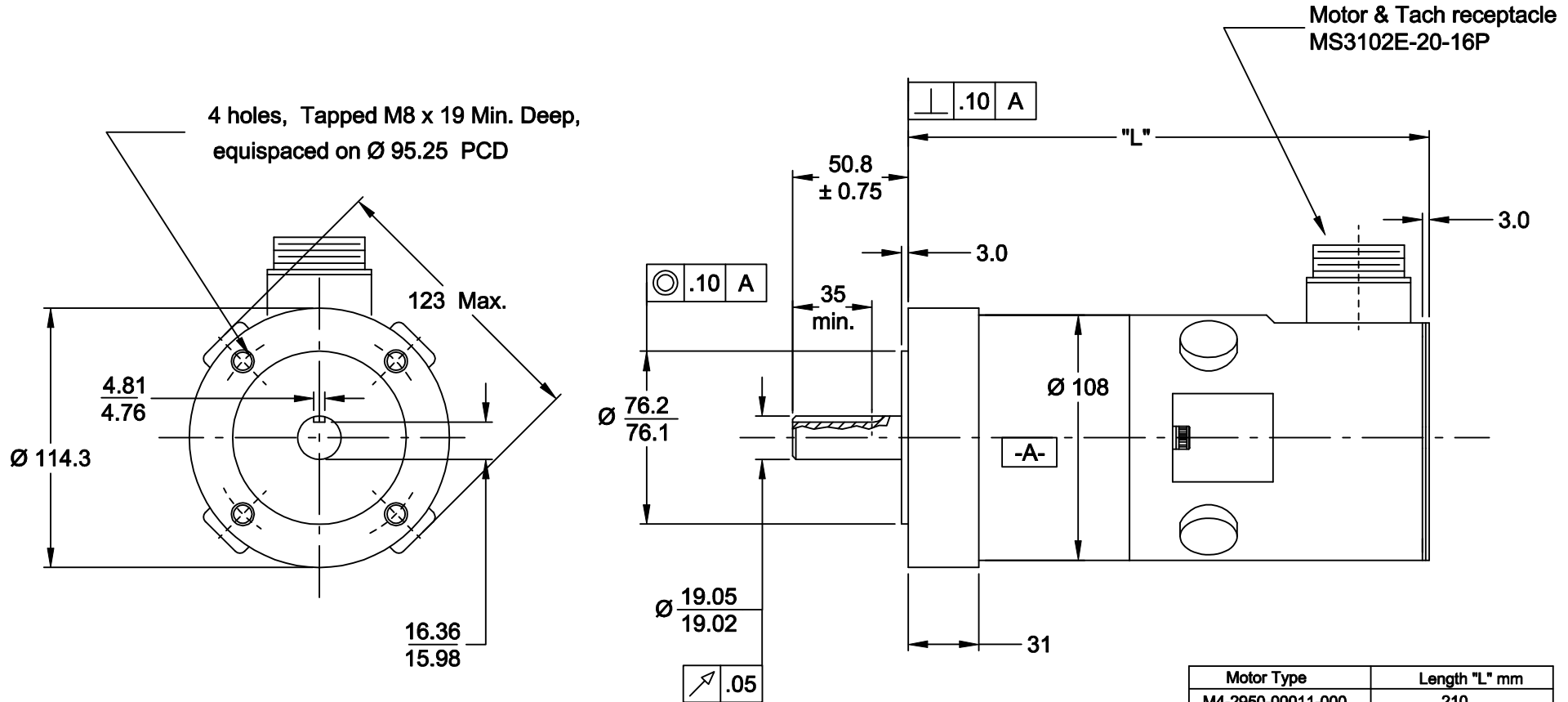
Motor Type	Length "L" mm
M4-2950-00000-000	210
M4-2951-00000-000	228
M4-2952-00000-000	246
M4-2959-00000-000	283
M4-2953-00000-000	320
M4-2954-00000-000	357

NOTES:-

1. With a positive current applied to green (x2) lead with respect to orange (x2) lead, rotation shall be clockwise, facing mounting end of motor.

2. All dimensions in mm.

		Tolerances: XX = ± 0.3 mm XXX = ± 0.1 mm Ang. Dim. = $\pm 1^\circ$	Surface: 6.3 <input checked="" type="checkbox"/>	Scale: NTS	Weight
		Date: 5/3/07	Norm: POB	Material: Remove all burrs and sharp corners.	
		Issue: 1	DC SERVOMOTOR M4-295X-00000-000		
Issue	C.N.C.O. No.	Date			
					Sheet: 1 of 1
Repl. For:					Repl. By:



Motor Type	Length "L" mm
M4-2950-00011-000	210
M4-2951-00011-000	228
M4-2952-00011-000	246
M4-2959-00011-000	283
M4-2953-00011-000	320
M4-2954-00011-000	357

NOTES:-

1. With a positive current applied to pin H with respect to pin I, rotation shall be clockwise, facing mounting end of motor. With this rotation, a positive voltage shall be generated on pin A of tach with respect to pin B.

2. All dimensions in mm.

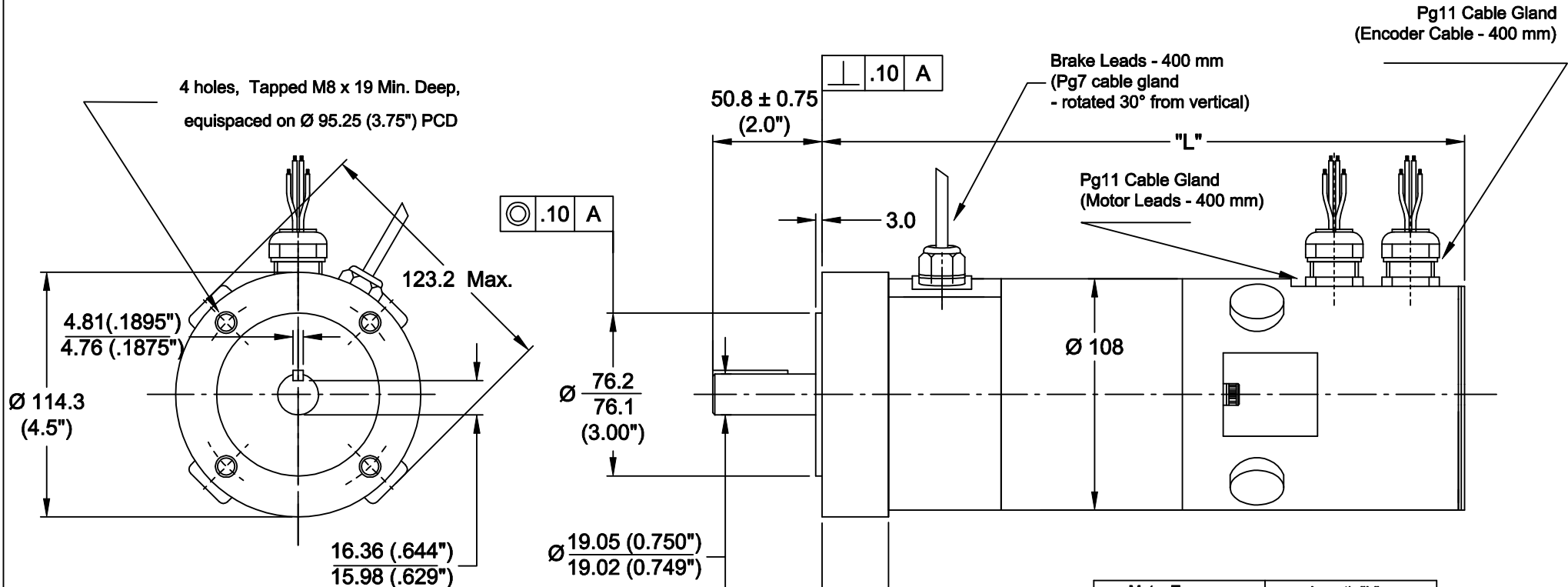
		Tolerances: XX = ± 0.3 mm XXX = ± 0.1 mm Ang. Dim. = $\pm 1^\circ$	Surface: 6.3 <input checked="" type="checkbox"/>	Scale: NTS		Weight
		Drawn: 25/11/05	Appr: POB	Material: <i>Remove all burrs and sharp corners.</i>		
1		Issue	Norm.	DC SERVO MOTOR M4 - 295X - 00011 - 000		
C.N.C.O. No.		Date	Name	Appr	M4-295X - 00011 - 000	
					Sheet: 1	Of: 1
					Repl. For:	Repl. By:

POWER LEAD CONFIGURATION

+ ve :- Green (x2)
 - ve :- Orange (x2)

ENCODER CONN. PINOUT

Red :- + 5 V DC
 Black :- GND
 Blue :- CH A
 Blue/Black :- CH A (INV)
 Green :- CH B
 Green/Black :- CH B (INV)
 Yellow :- CH Z
 Yellow/Black :- CH Z (INV)



NOTES:-

1. With a positive current applied to green (x2) lead with respect to orange (x2) lead, rotation shall be clockwise, facing mounting end of motor.

With this rotation, encoder channel B leads channel A by 90° elec. (1024 ppr)

2. Motor may be mounted in any position.

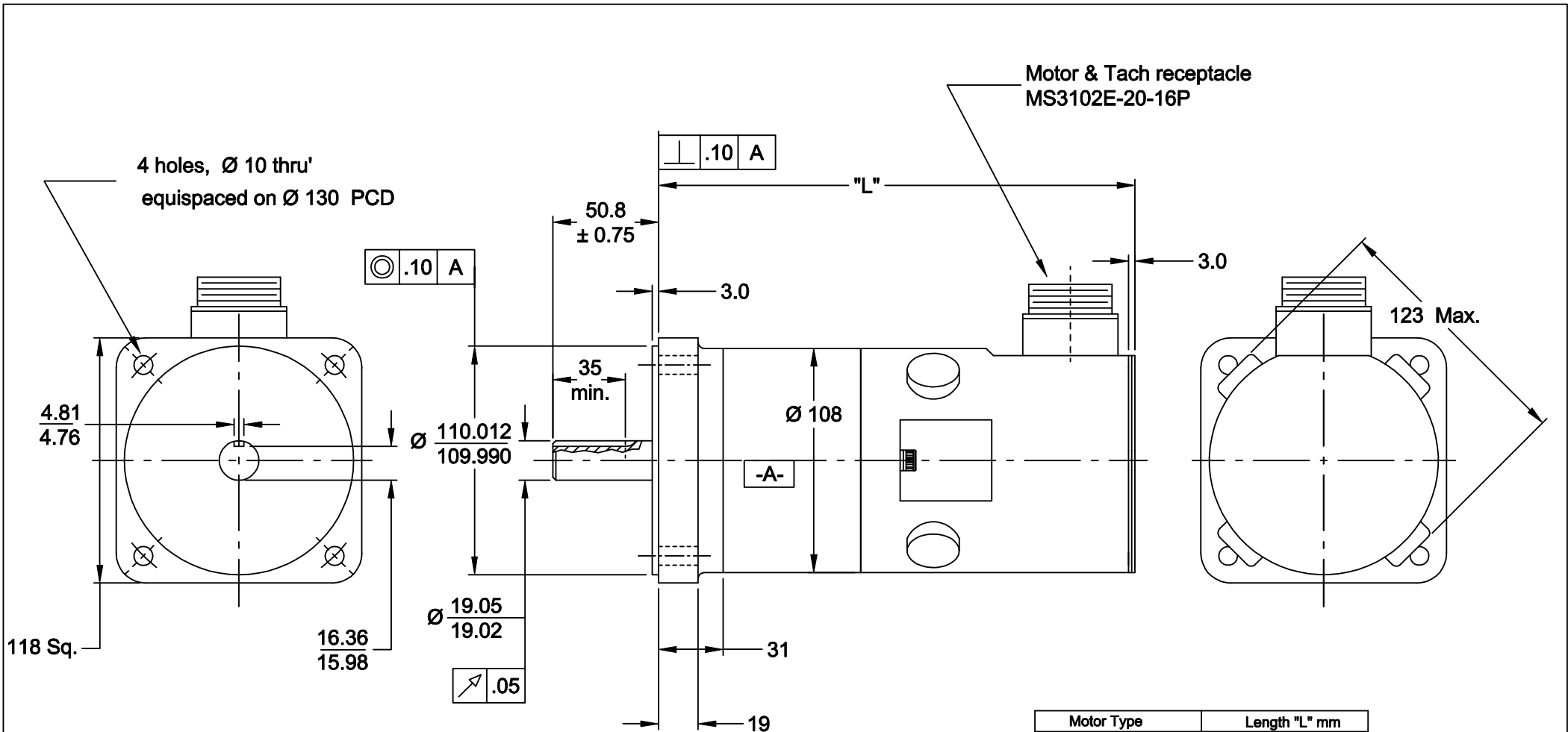
3. Brake Data :- 24 V DC, 10 Nm, 0.7 A (white leads)

4. See encoder data sheet for encoder wiring

5. All dimensions in mm with inches in ().

Motor Type	Length "L" mm
M4-2950-0010T-000	250
M4-2951-0010T-000	278
M4-2952-0010T-000	296
M4-2959-0010T-000	333
M4-2953-0010T-000	370
M4-2954-0010T-000	407

		Tolerances: XX=±0.3 mm XXX=±0.1 mm Ang. Dim.=±1°	Surface: 6.3 ✓	Scale: Material: Remove all burrs and sharp corners.	Weight:
		Drawn: 25/5/08	Date: 25/5/08	Name: POB	
		Appr'd:	Norm:	DC SERVMOTOR M4-295XX-0010T-000	
Issue	ECO. No.	Date	Name	Appr'd	Sheet: 1 Of 1
				Rep'd By:	Rep'd By:



NOTES:-

1. With a positive current applied to pin H with respect to pin I, rotation shall be clockwise, facing mounting end of motor. With this rotation, a positive voltage shall be generated on pin A of tach with respect to pin B.

2. All dimensions in mm.

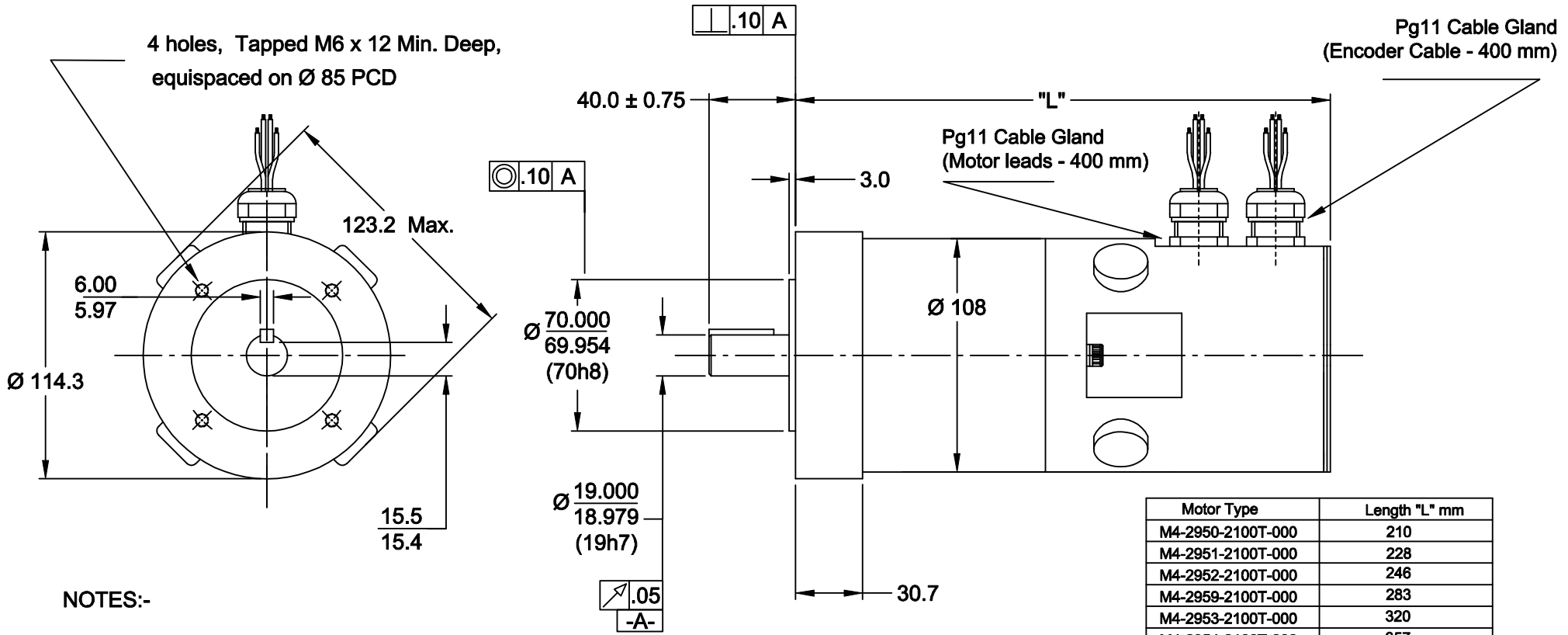
Tolerances: XX=±0.3 mm XXX=±0.1 mm Ang. Dim.=±1°		Surface: 6.3 ✓	Scale: NTS	Weight:
Date: 25/11/05		Norma: POB	Material: Remove all burrs and sharp corners.	
1 Issue		Appr' Norm.	DC SERVOMOTOR M4 - 295X - 10011 - 000	
C.N.C.O. No.	Date	Name	Appr'	Sheet 1 of 1
M4-295X - 10011 - 000			Repl. For:	Repl. By:

POWER LEAD CONFIGURATION

+ ve :- Green (x2)
 - ve :- Orange (x2)

ENCODER CONN. PINOUT

Red :- + 5 V DC
 Black :- GND
 Blue :- CH A
 Blue/Black :- CH A (INV)
 Green :- CH B
 Green/Black :- CH B (INV)
 Yellow :- CH Z
 Yellow/Black :- CH Z (INV)



Motor Type	Length "L" mm
M4-2950-2100T-000	210
M4-2951-2100T-000	228
M4-2952-2100T-000	246
M4-2959-2100T-000	283
M4-2953-2100T-000	320
M4-2954-2100T-000	357

NOTES:-

1. With a positive current applied to green (x2) lead with respect to orange (x2) lead, rotation shall be clockwise, facing mounting end of motor.
 With this rotation, encoder channel B leads channel A by 90° elec. (1024 ppr)
2. Motor may be mounted in any position.
3. All dimensions in mm

Tolerances: XX=±0.3 mm XXX=±0.1 mm Ang. Dim.=±1°		Surface: 6.3	Scale: 1:1	Weight:
Drawn: 5/3/07	Date:	Name: POB	Material: Remove all burrs and sharp corners.	
DC SERVOMOTOR M4-2952x-2100T-000			Sheet: 1 Of 1	
Issue	EC2 No.	Date	Name	Appr
Repl. For:			Repl. By:	