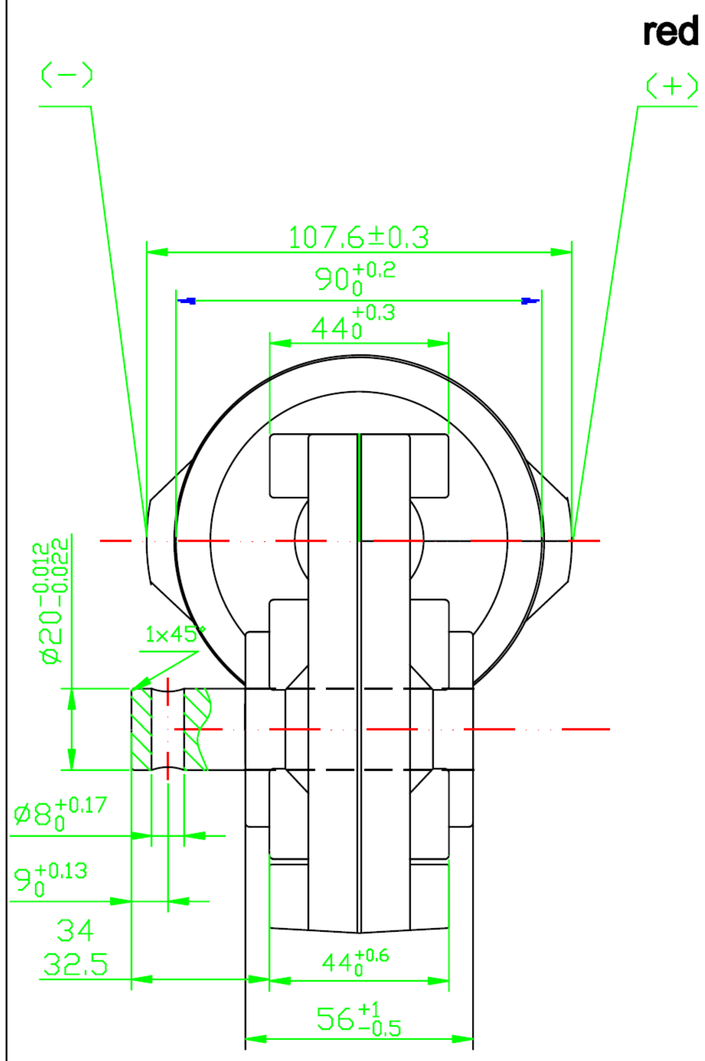
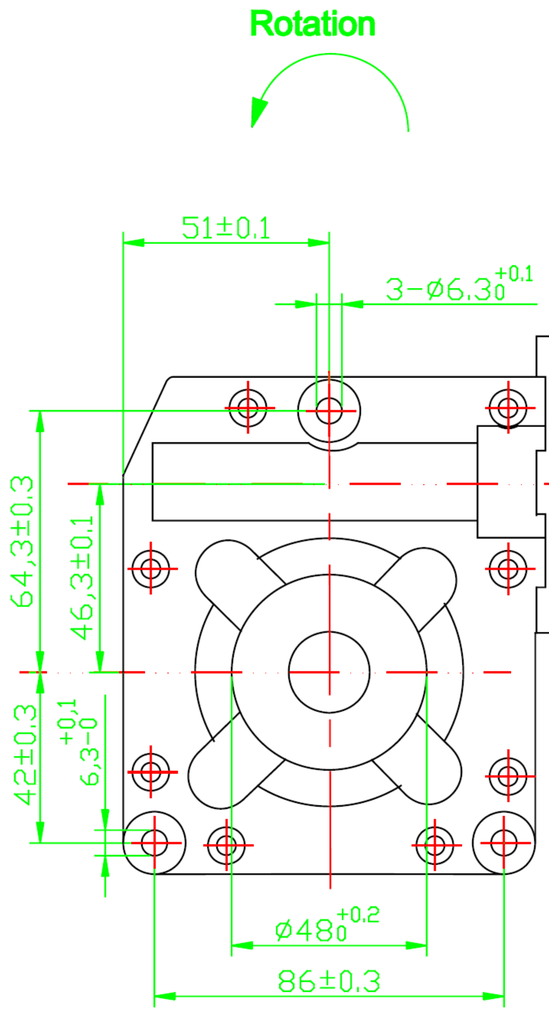
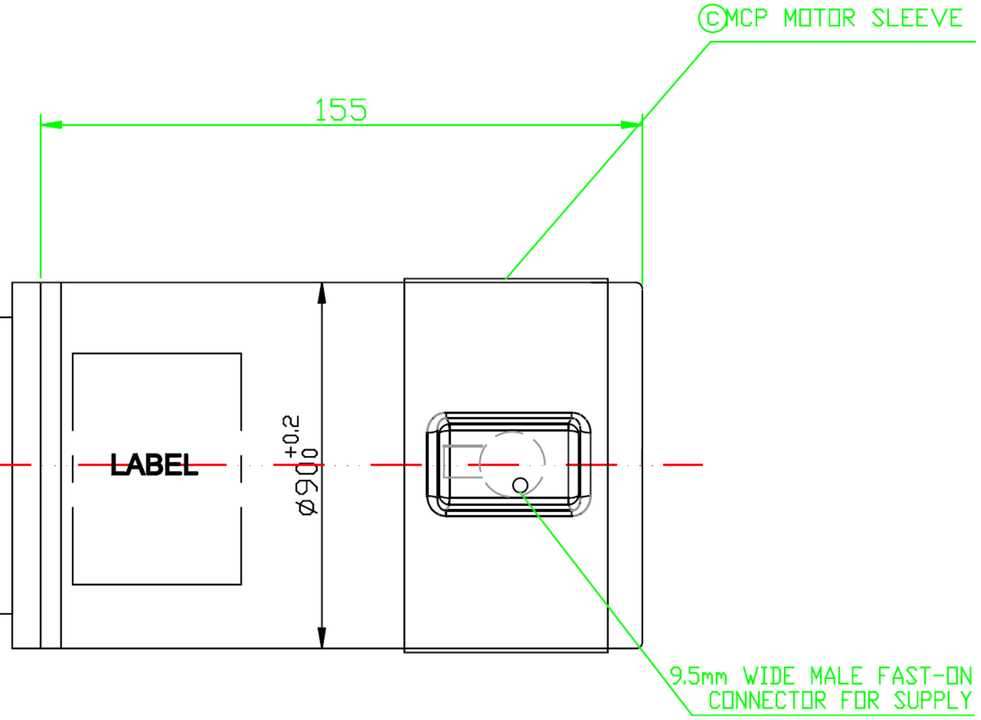
Rev	Area	Revision note	Date	Signature	Checked
A		Delrin gear was BZ 60:1	14.3.12		Y.HC
B		Added stainless steel screws (motor to gearbox)	16.3.12		Y.HC







MCP GEARBOX+MOTOR SPECIFICATION:
GEARBOX:
HOUSING MATERIAL: ALLOY ALUMINIUM A380
WORM GEAR MATERIAL: DELRIN
SHAFT AND GEAR MATERIAL: 45# STEEL
RATIO: 60:1
DESIGN LIFE: 2,500 HOURS (MIN) AT 20NM LOAD
TO BE CAPABLE OF 100,000 STARTS AT 20NM
MOTOR:
12 VOLT DC
MOTOR SPEED TO GIVE 85+/-3 RPM NO LOAD SPEED
AT GEARBOX OUTPUT SHAFT
RUBBER COVER MATERIAL: BUNA-N RUBBER
SCREWS TIGHTED GEARBOX WITH MOTOR ARE STAINLESS STEEL

		SPEED: (UNLOADED)	85RPM	DWG No	
		SPEED: (LOADED)	65 RPM	DWG BY	3X
		VOLTAGE:	12 V DC	PASSED BY	YE HAICHENG
PEAK TORQUE:	30Nm	CURRENT: (NOMINAL)	23A	DATE	2012-03-13
TORQUE:	15Nm	CURRENT: (PEAK)	40 A		
Rev.	B	MOTOR SPEED:	5100		
CHANGED BY	DONG NAISHUN	GEAR RATIO:	60:1		
DATE	13/3/2012	NOMINAL POWER:	180 W		

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Design	Check	Approve	Filename	Date	Scale
			ZYT90-155-12-MCP4-60:1-LH (GH1466)		1 : 1

Motion Control Products Ltd.
Tel.: 01202 599922

Project

Title: I

CUSTOMER'S DWG NO:

DWG NO : GH1466

Size	Edit	Sheet	Wt
A3	A1	1/1	