



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	MCEN4000:B0	BALL NUT ASSEMBLY
1.1	111	MCEN4000:B1	BALLS USED IN THE BALL SCREW
1.2	1	MCEN4000:B2	NUT BODY OF THE BALL SCREW
1.3	2	MCEN4000:B3	BALL SCREW DEFLECTOR
1.4	2	MCEN4000:B4	RETURN INSERT FASTENER
2	1	MCEN4000:B5	STEERING RACK/ BALL SCREW'S SCREW
3	1	MCEN4000:G1	GEAR (ATTACHED AT THE NUT)
4	1	MCEN4000:G1K	BALL NUT GEAR KEY
5	1	MCEN4000:G2	INTERMEDIATE GEAR
6	1	MCEN4000:G2K	INTERMEDIATE GEAR KEY
7	1	MCEN4000:G2P	INTERMEDIATE GEAR MOUNTING PIN
8	1	MCEN4000:G3	PINION (ATTACHED AT THE MOTOR SHAFT)
9	1	MCEN4000:G3K	PINION KEY
10	1	MCEN4000:GS	STEERING GEAR
11	1	MCEN4000:S1	PROTECTIVE SHELL (BODY)
12	1	MCEN4000:S2	PROTECTIVE SHELL (CAP)
13	1	MCEN4000:SPL	STEERING SHAFT SPLINE CONNECTION
14	2	MCEN4000:T0	TIE ROD ASSEMBLY
14.1	1	MCEN4000:T1	TIE ROD INNER BALL JOINT CONNECTOR
14.2	1	MCEN4000:T2	TIE ROD INNER BALL JOINT CAP
14.3	1	MCEN4000:T3	TIE ROD
14.4	1	MCEN4000:T4	NUT FASTENER
14.5	1	MCEN4000:T5	OUTER TIE ROD BALL JOINT CONNECTOR
14.6	1	MCEN4000:T6	OUTER TIE ROD BALL JOINT BALL
14.7	1	MCEN4000:T7	OUTER TIE ROD BALL JOINT CAP
15	2	MCEN4000:T8	BALL JOINT BOOT
16	3	ISO 4762 - M6 x 40	HEXAGON SOCKET HEAD CAP SCREW
17	4	ISO 4762 - M8 x 20	HEXAGON SOCKET HEAD CAP SCREW
18	1	JIS B 1521 - 6802 15x24x5	Deep Groove Ball Bearing
19	2	JIS B 1521 SKF - SKF 6202	Single row ball bearings SKF
20	1	MCEN4000:M0	MOTOR ASSEMBLY (REFERENCE SIZING)
21	2	SKF 2RS162212-2RS1	Deep groove ball bearings single row with two RS1 seals SKF

ALL DIMENSIONS IN MM

DRAWN BY: TANG KANG NING		CURTIN UNIVERSITY, MALAYSIA	
DATE: 21/10/2020		REMARKS:	13/13
CHECKED BY:			
APPROVED BY:		PART NUMBER: Final Assembly	DESCRIPTION:
		SCALE: 1:10	MATERIAL:
		A3	