**Overview**

Fisher & Paykel Appliances

Append specifications – requirements/constraints/design Targets/

**Linear Motor**

High level component overview

Append motor image

Electronic Parameters

Append table for extended details – parameters/dimensions/material

**Analogue Design**

H Bridge

Gate Driver - Totem Pole Drivers

CMOS and Bootstrap Capacitor

Power Supply

Current Sensor

Differential Amplifier

Low Pass Filter

COMS circuit

**Embedded Systems Design**

**microcontroller**

Pulse Width Modulation/PWM

Communication Interface/UART

**Appendices**

Circuit topology, components