Scan barcode

UART reads controller data

Does data match the spec sheet?

YES = Pass/ NO = Fail

USER TOGGLES SW1

Waveform generator CH1 supplies signal to tach and incline sense pins

Scope CH2 measures tach input

Scope CH3 measures incline sense input

Does CH2/CH3 measurement match waveform generator CH1?

YES = Pass/ NO = Fail

Scope CH4 measures 5 volt secondary pin

Is CH4 measurement 5V?

YES = Pass/ NO = Fail

Waveform generator CH2 supplies signal to EQF1294

Scope CH1 measures console power supply

Do console power supply measurements meet criteria?

YES = Pass/ NO = Fail

USER TOGGLES SW2,SW3,SW4,SW5

Waveform generator CH1 supplies PWM for motor drive

Measure motor drive parameters/adjust speed pot/etc..

Scope CH3 measures motor current

Scope CH4 measures motor volts

Does the controller meet criteria?

YES = Pass/ NO = Fail

USER TOGGLES SW6

Waveform generator CH1 supplies 3.3V

Waveform generator CH2 supplies 0.0V

Scope CH1 measures incline up AC

Is CH1 measurement equal to AC line input?

YES = Pass/ NO = Fail

Waveform generator CH1 supplies 0.0V

Waveform generator CH2 supplies 3.3V

Scope CH2 measures incline down AC

Is CH2 measurement equal to AC line input?

YES = Pass/ NO = Fail

USER TOGGLES SW1,SW2,SW3,SW4,SW5,SW6

ALL TESTS PASSED SUCCESSFULLY - READY FOR NEXT TEST