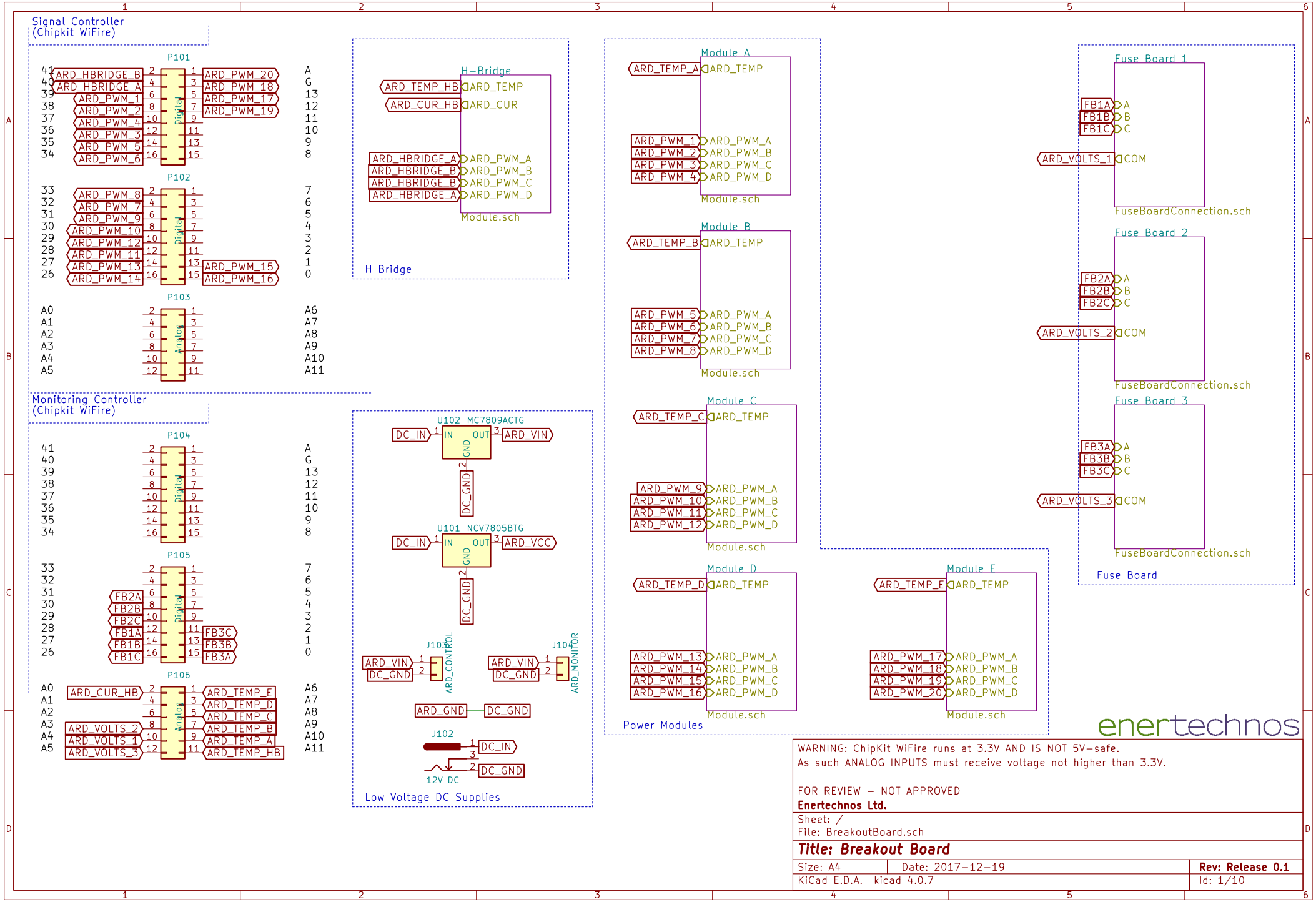
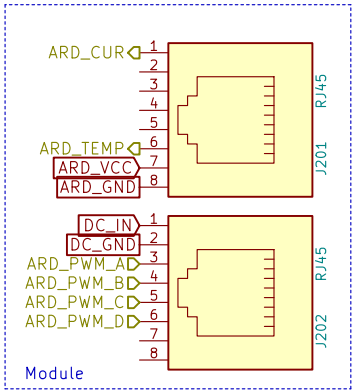

Signal Controller
(Chipkit WiFire)
P101
ARD_HBRIDGE_B
ARD_HBRIDGE_A
ARD_PWM_1
ARD_PWM_2
ARD_PWM_4
ARD_PWM_3
ARD_PWM_5
ARD_PWM_6
ARD_PWM_20
ARD_PWM_18
ARD_PWM_17
ARD_PWM_19
Digital
P102
ARD_PWM_8
ARD_PWM_7
ARD_PWM_9
ARD_PWM_10
ARD_PWM_12
ARD_PWM_11
ARD_PWM_13
ARD_PWM_14
ARD_PWM_15
ARD_PWM_16
P103
Analog
Monitoring Controller
(Chipkit WiFire)
P104
P105
FB2A
FB2B
FB2C
FB1A
FB1B
FB1C
FB3C
FB3B
FB3A
P106
ARD_CUR_HB
ARD_VOLTS_2
ARD_VOLTS_1
ARD_VOLTS_3
ARD_TEMP_E
ARD_TEMP_D
ARD_TEMP_C
ARD_TEMP_B
ARD_TEMP_A
ARD_TEMP_HB
H-Bridge
ARD_TEMP_HB
ARD_CUR_HB
ARD_TEMP
ARD_CUR
ARD_HBRIDGE_A
ARD_HBRIDGE_B
ARD_HBRIDGE_B
ARD_HBRIDGE_A
ARD_PWM_A
ARD_PWM_B
ARD_PWM_C
ARD_PWM_D
Module.sch
H Bridge
U102 MC7809ACTG
DC_IN
IN
OUT
GND
ARD_VIN
DC_GND
U101 NCV7805BTG
ARD_VCC
J103
ARD_CONTROL
J104
ARD_MONITOR
ARD_GND
J102
12V DC
Low Voltage DC Supplies
Module A
Module B
Module C
Module D
Module E
ARD_TEMP_A
ARD_TEMP_B
ARD_TEMP_C
ARD_TEMP_D
ARD_TEMP_E
Power Modules
Fuse Board 1
Fuse Board 2
Fuse Board 3
COM
FuseBoardConnection.sch
Fuse Board
enertechnos
WARNING: ChipKit WiFire runs at 3.3V AND IS NOT 5V-safe.
As such ANALOG INPUTS must receive voltage not higher than 3.3V.
FOR REVIEW - NOT APPROVED
Enertechnos Ltd.
Sheet: /
File: BreakoutBoard.sch
Title: Breakout Board
Size: A4
Date: 2017-12-19
Rev: Release 0.1
KiCad E.D.A. kicad 4.0.7
Id: 1/10



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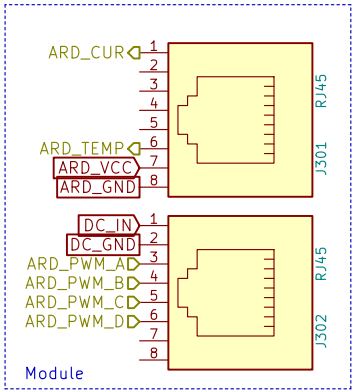
FOR REVIEW - NOT APPROVED

Enertechnos Ltd.

Sheet: /H-Bridge/
File: Module.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 2/10



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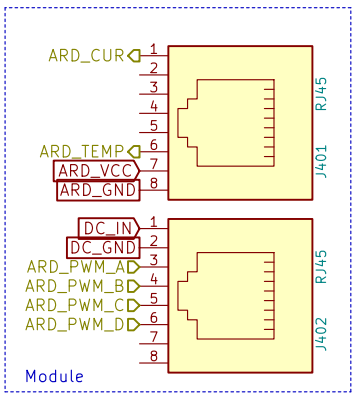
FOR REVIEW – NOT APPROVED

Enertechnos Ltd.

Sheet: /Module A/
File: Module.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 3/10



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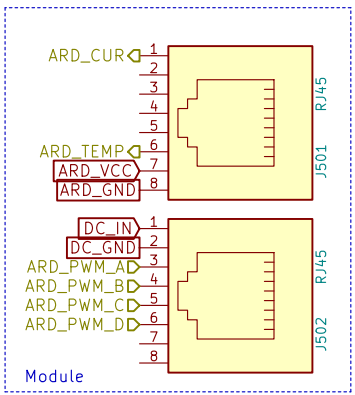
FOR REVIEW – NOT APPROVED

Enertechnos Ltd.

Sheet: /Module B/
File: Module.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 4/10



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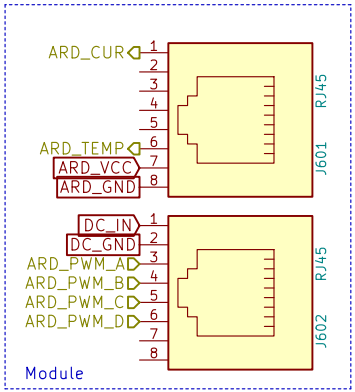
FOR REVIEW – NOT APPROVED

Enertechnos Ltd.

Sheet: /Module C/
File: Module.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 5/10



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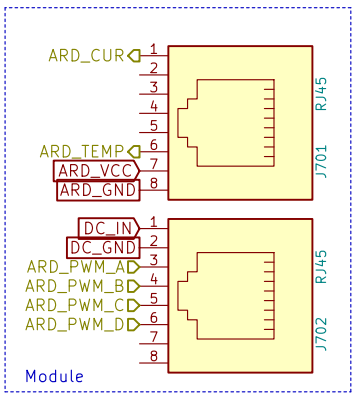
FOR REVIEW – NOT APPROVED

Enertechnos Ltd.

Sheet: /Module D/
File: Module.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 6/10



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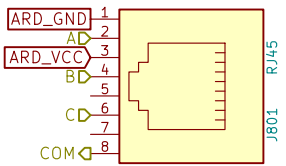
FOR REVIEW – NOT APPROVED

Enertechnos Ltd.

Sheet: /Module E/
File: Module.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 7/10



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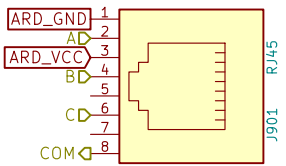
FOR REVIEW - NOT APPROVED

Enertechnos Ltd.

Sheet: /Fuse Board 1/
File: FuseBoardConnection.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 8/10



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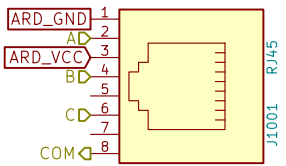
FOR REVIEW - NOT APPROVED

Enertechnos Ltd.

Sheet: /Fuse Board 2/
File: FuseBoardConnection.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 9/10



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FOR REVIEW - NOT APPROVED

Enertechnos Ltd.

Sheet: /Fuse Board 3/
File: FuseBoardConnection.sch

Title: Breakout Board

Size: User	Date: 2017-12-19	**Rev: Release 0.1**
KiCad E.D.A. kicad 4.0.7		Id: 10/10