

2 Cell configuration:
R53, R52 and R76 are placed
R73 and R65 are not placed
JP10 is in position B

3 Cell configuration:
R65 and R73 are placed
R52, R53 and B3 are not placed
JP10 is in position B

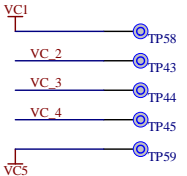
4 Cell configuration:
R65 is placed
R52, R53, R73, R76 is not placed
JP10 is in position A

JP2-4 can also be used so that the connection can have current flow measured

All ports are power connections with bidirectional current flow. VC_1 and VC_5 will experience high currents, the others will not.

VC1-5 provide direct connections to the cells

U_MOD
MOD.SchDoc



H1
MTMM-103-03-S-D-243

BATTERY + TERMINAL

H2
MTMM-103-03-S-D-243

BATTERY - TERMINAL

H3
MTMM-102-02-S-D-196

BATTERY CENTERTAPS



750 Naples Street
San Francisco, California 94112

| | | | |
|---|---------|----------------|--|
| Title: Battery Module Development Board Cells - Battery Connections | | | |
| Part Number: 705-02190 | | Revision: A0 | |
| File: Battery_Module_Dev_Contacts.SchDoc | | Sheet: 9 of 17 | |
| Date: 29/01/2020 | Size: B | Drawn By: DJW | |

Doc. Rev: 01

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2

3

4

5

6

A

ASSY Configuration Codes (Binary OR)

| Bit | Value | 0 case | 1 case |
|-----|-------|-----------------------|--|
| 0 | 1 | Not 2 cell operation; | 2 cell operation, place JP10 in position B and DNP R65 and R73; |
| 1 | 2 | Not 3 cell operation; | 3 cell operation, place JP10 in position B, DNP B3, R52, R53 and R76; |
| 2 | 4 | Not 4 cell operation; | 4 cell operation, Place JP10 in position A, DNP R52, R53, R73 and R76; |

Test Point List

| Number | Net | Function |
|--------|-----|---|
| TP43 | VC2 | 3rd center-tap |
| TP44 | VC3 | 2nd center-tap, positive side of second lowest cell |
| TP45 | VC4 | 1st center-tap, positive side of lowest cell |
| TP58 | VC1 | negative side of bottom cell |
| TP59 | VC5 | positive side of highest cell |

B

ECO List

| MOD Level | Number | Action Summary |
|-----------|--------|----------------|
| | | |

C

Changes from REVA0 / BM2-F1

No previous Rev

D

PUMPKIN

INCORPORATED

750 Naples Street
San Francisco, California 94112

| | |
|---|--------------------|
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| Part Number: 705-02190 | Revision: A0 |
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