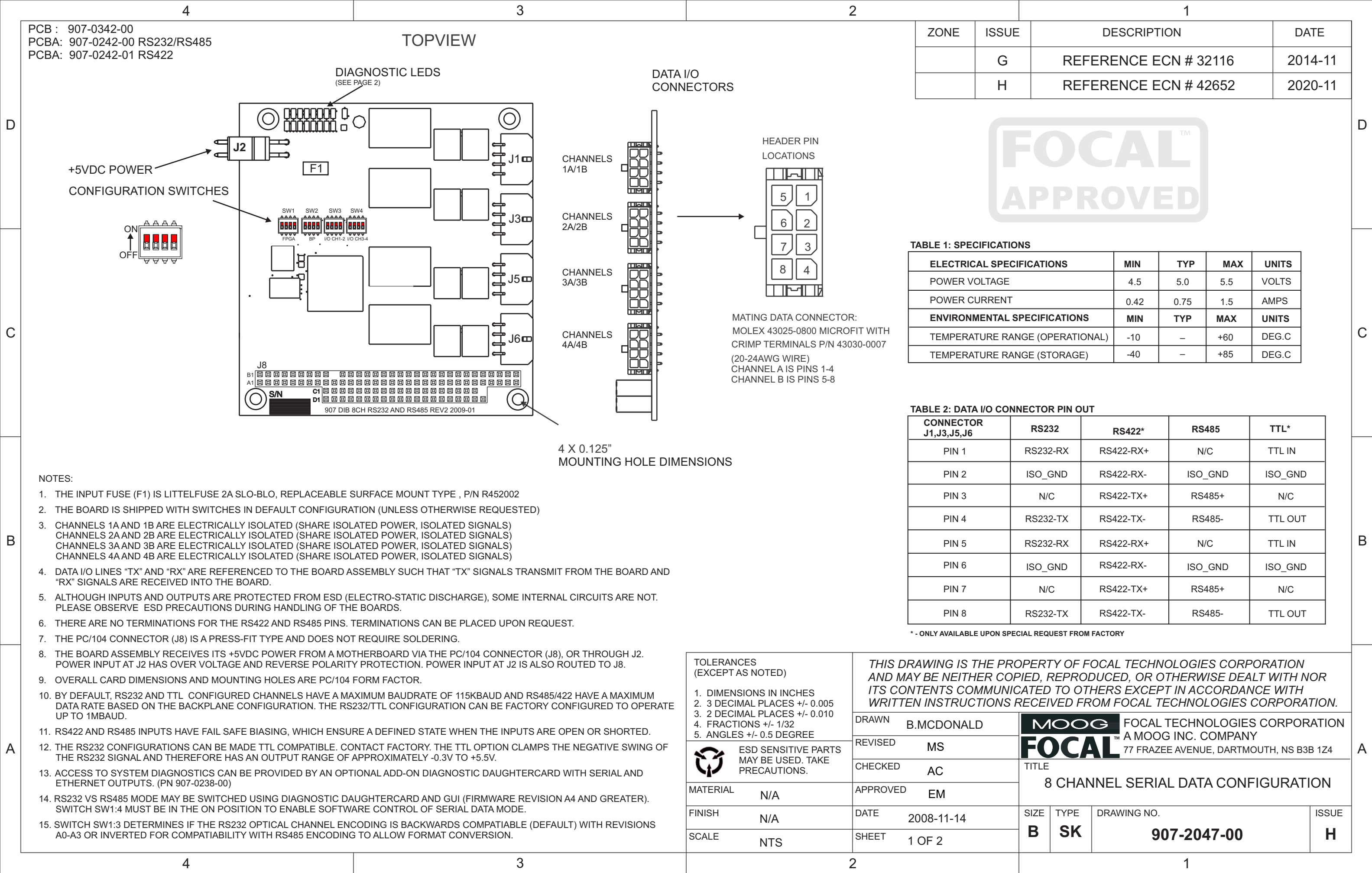
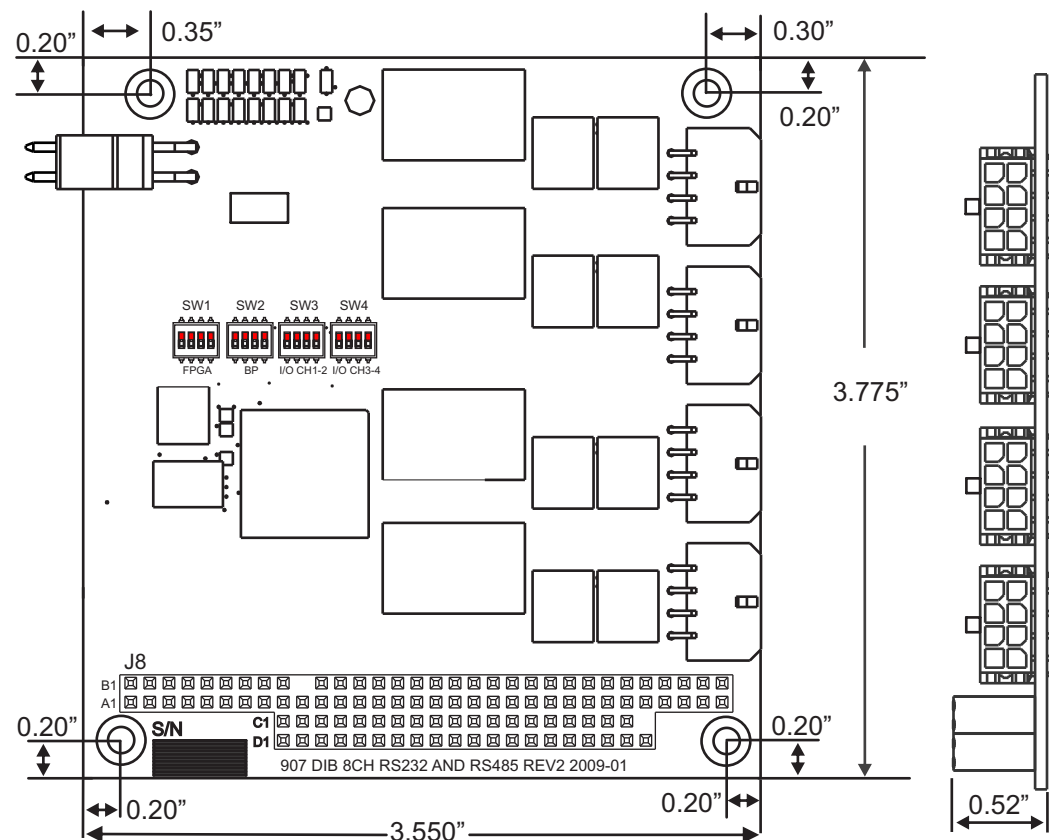




### TABLE 3. SW2 BACKPLANE CONFIGURATION SETTINGS

| SWITCH SETTINGS             | MODE            | ACTIVE I/O CHANNELS        | BP CHANNELS | RS485 MAX BAUD RATE / SAMPLE RATE (REFER TO NOTE 10) |
|-----------------------------|-----------------|----------------------------|-------------|------------------------------------------------------|
| <b>1, 3, 4 ON</b>           | 4:4 ROUTER      | 1A,2A,3A,4A                | 1,2,3,4     | 2.5MBAUD / 15MHZ                                     |
| <b>3, 4 ON</b>              |                 | 1B,2B,3B,4B                | 3,4,5,6     |                                                      |
| <b>1, 2, 4 ON</b>           | 4:1 MUX / DEMUX | 1B,2B,3B,4B                | 5           | 400KBAUD / 2.5MHZ                                    |
| <b>2, 4 ON</b>              |                 | 1B,2B,3B,4B                | 1           |                                                      |
| <b>1, 4 ON</b>              |                 | 1B,2B,3B,4B<br>1A,2A,3A,4A | 1, 2        |                                                      |
| <b>4 ON</b>                 |                 | 1B,2B,3B,4B<br>1A,2A,3A,4A | 5, 6        |                                                      |
| <b>1, 2, 3 ON</b> (DEFAULT) | 8:1 MUX / DEMUX | 1A THRU 4B                 | 1           | 115KBAUD / 1.5MHZ                                    |
| <b>2, 3 ON</b>              |                 | 1A THRU 4B                 | 1           |                                                      |
| <b>1, 3 ON</b>              |                 | 1A THRU 4B                 | 2           |                                                      |
| <b>3 ON</b>                 |                 | 1A THRU 4B                 | 3           |                                                      |
| <b>1, 2 ON</b>              |                 | 1A THRU 4B                 | 4           |                                                      |
| <b>2 ON</b>                 |                 | 1A THRU 4B                 | 5           |                                                      |
| <b>1 ON</b>                 |                 | 1A THRU 4B                 | 6           |                                                      |
| <b>ALL OFF</b>              |                 | 1A THRU 4B                 | 6           |                                                      |

**SWITCHES NOT DESIGNATED AS 'ON' MUST BE 'OFF'**



## DIMENSIONS

**TABLE 4: SW3 SWITCH CONFIGURATION SETTINGS  
I/O CHANNEL 1 AND 2**

| SETTING    | RS232/422/TTL<br>(DEFAULT) | RS485 |
|------------|----------------------------|-------|
| SW3:1 CH1A | ON                         | OFF   |
| SW3:2 CH1B | ON                         | OFF   |
| SW3:3 CH2A | ON                         | OFF   |
| SW3:4 CH2B | ON                         | OFF   |

**TABLE 5: SW4 SWITCH CONFIGURATION SETTINGS  
I/O CHANNEL 3 AND 4**

| SETTING    | RS232/422/TTL<br>(DEFAULT) | RS485 |
|------------|----------------------------|-------|
| SW4:1 CH3A | ON                         | OFF   |
| SW4:2 CH3B | ON                         | OFF   |
| SW4:3 CH4A | ON                         | OFF   |
| SW4:4 CH4B | ON                         | OFF   |

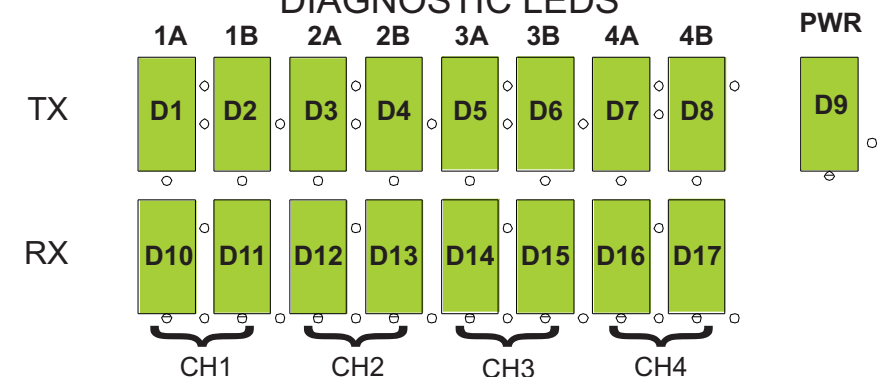
TABLE 6: SW1 FPGA SWITCH CONFIGURATION SETTINGS

| FUNCTION                          | SW1:1 | SW1:2 | SW1:3 | SW1:4 |
|-----------------------------------|-------|-------|-------|-------|
| REMOTE                            | ON    | OFF   | N/A   | N/A   |
| CONSOLE                           | OFF   | OFF   | N/A   | N/A   |
| BACKWARDS COMPATIBLE RS232 MODE*  | N/A   | N/A   | OFF** | N/A   |
| RS232 TO RS485 CONVERSION ENABLE* | N/A   | N/A   | ON    | N/A   |
| SOFTWARE CONTROL OF RS232/485*    | N/A   | N/A   | N/A   | ON    |
| DIP SWITCH CONTROL OF RS232/485*  | N/A   | N/A   | N/A   | OFF** |

\* - ONLY AVAILABLE ON REVISION A4 AND GREATER

**\*\* - DEFAULT POSITION**

## DIAGNOSTIC LEDS



|                                                                                                                                                             |  |                                                                                                                                                                                                                                                                             |  |                                                                                                                                                           |            |                            |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------|------------|
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| 1. DIMENSIONS IN INCHES<br>2. 3 DECIMAL PLACES +/- 0.005<br>3. 2 DECIMAL PLACES +/- 0.010<br>4. FRACTIONS +/- 1/32<br>5. ANGLES +/- 0.5 DEGREE              |  | DRAWN<br>B.MCDONALD                                                                                                                                                                                                                                                         |  | <div><div>MOOG</div><div>FOCAL™</div></div> <div>FOCAL TECHNOLOGIES CORPORATION<br/>A MOOG INC. COMPANY<br/>77 FRAZEE AVENUE, DARTMOUTH, NS B3B 1Z4</div> |            |                            |            |
| <div> ESD SENSITIVE PARTS<br/>MAY BE USED. TAKE<br/>PRECAUTIONS.</div> |  | REVISED                                                                                                                                                                                                                                                                     |  |                                                                                                                                                           |            |                            |            |
|                                                                                                                                                             |  | CHECKED                                                                                                                                                                                                                                                                     |  |                                                                                                                                                           |            |                            |            |
| MATERIAL<br>N/A                                                                                                                                             |  | APPROVED                                                                                                                                                                                                                                                                    |  | TITLE<br>8 CHANNEL SERIAL DATA CONFIGURATION                                                                                                              |            |                            |            |
| FINISH<br>N/A                                                                                                                                               |  | DATE<br>2008-11-14                                                                                                                                                                                                                                                          |  |                                                                                                                                                           |            |                            |            |
| SCALE<br>NTS                                                                                                                                                |  | SHEET<br>2 OF 2                                                                                                                                                                                                                                                             |  | SIZE<br>B                                                                                                                                                 | TYPE<br>SK | DRAWING NO.<br>907-2047-00 | ISSUE<br>H |