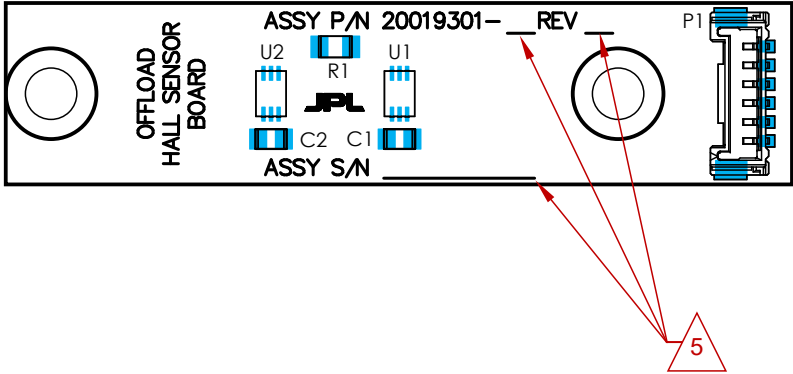


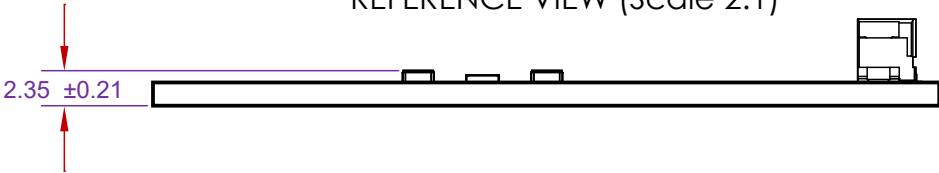
NOTES - UNLESS OTHERWISE SPECIFIED:

1. WORKMANSHIP STANDARDS AND ACCEPTABILITY REQUIREMENTS SHALL MEET IPC-A-610 (LATEST VERSION).
2. THIS DOCUMENT AND RELATED ARTWORK ARE COMPUTER GENERATED. CHANGES ARE TO BE PERFORMED ON THE ORIGINAL DATABASE ON FILE.
- 3 SOLDER COMPONENTS USING LEADED SOLDER, ITEM 3.
4. CLEAN SOLDER FLUX FROM BOARD SO THAT THERE IS NO DISCERNABLE RESIDUE.
- 5 MARK OR INKSTAMP IN LOCATION SHOWN THE DASH NUMBER, THE REVISION LETTER, AND THE SERIAL NUMBER "NXXXXX" (WHERE N IS A VENDOR DESIGNATION LETTER ASSIGNED BY TMT AND XXXXX IS A UNIQUE 5 DIGIT SERIAL NUMBER FOR EACH PART. THE VENDOR DESIGNATION AND THE STARTING SERIAL NUMBER SHALL BE IN ACCORDANCE WITH THE VALUES PROVIDED IN THE PURCHASE ORDER). CHARACTERS TO BE 1 mm HIGH MINIMUM.
6. FOR SCHEMATIC DIAGRAM SEE JPL DRAWING 20019299.
7. THIS PRINTED WIRING ASSEMBLY CONSISTS OF ONLY SURFACE MOUNT TECHNOLOGY.

TOP ASSEMBLY (Scale 2:1)



REFERENCE VIEW (Scale 2:1)



| REVISION HISTORY |                             |     |     |      |                                                                  |
|------------------|-----------------------------|-----|-----|------|------------------------------------------------------------------|
| REV              | DESCRIPTION                 | CAT | DWN | ENGR | SEE JPL DATA MANAGEMENT SYSTEM FOR APPROVAL SIGNATURES AND DATES |
| A                | ----- INITIAL RELEASE ----- | II  | -   | -    |                                                                  |

|  |          |         |        |       |                           |                                                |               |                  |
|--|----------|---------|--------|-------|---------------------------|------------------------------------------------|---------------|------------------|
|  | 1        | 7       | R1     | C0588 | CRCW08050000Z0EA          | RES SMD 0 OHM JUMPER 1/2W 0805                 |               |                  |
|  | 2        | 6       | U1, U2 | 31019 | A1392SEHLT-T              | IC, LINEAR HALL-EFFECT SENSOR                  |               |                  |
|  | 1        | 5       | P1     | S5406 | 5055680681                | CONNECTOR, MICRO-LOCK PLUS VERTICAL HEADER, 6P |               |                  |
|  | 2        | 4       | C1, C2 | 3EH09 | GRM216R71A334 KA01D       | CAP CER 0.33UF 10V X7R 0805 10%                |               |                  |
|  | AR       | 3       |        |       | Sn63/Pb37                 | SOLDER LEADED                                  | J-STD-005A    | 3                |
|  | AR       | 2       |        |       | ETHONE 50-100R CATALYST 9 | INK, WHITE EPOXY                               | IPC-4781      | 5                |
|  | 1        | 1       |        |       | 20020132-1                | PRINTED WIRING BOARD, HALL SENSOR BOARD        |               | REV B            |
|  | -1       | ITEM NO | REFDES | DAI   | PART OR IDENTIFYING NO    | NOMENCLATURE OR DESCRIPTION                    | SPECIFICATION | MATERIAL OR NOTE |
|  | QTY REQD |         |        |       |                           |                                                |               |                  |

PARTS LIST

|  |  |  |  |             |  |  |  |                                                          |  |  |  |
|--|--|--|--|-------------|--|--|--|----------------------------------------------------------|--|--|--|
|  |  |  |  | CONTRACT NO |  |  |  | JET PROPULSION LABORATORY                                |  |  |  |
|  |  |  |  | DWN         |  |  |  | CALIFORNIA INSTITUTE OF TECHNOLOGY<br>PASADENA, CA 91109 |  |  |  |
|  |  |  |  | ENGR        |  |  |  | D. PALMER                                                |  |  |  |
|  |  |  |  |             |  |  |  | TITLE                                                    |  |  |  |
|  |  |  |  |             |  |  |  | PRINTED WIRING ASSEMBLY,<br>OFFLOAD HALL SENSOR BOARD    |  |  |  |
|  |  |  |  |             |  |  |  | SIZE                                                     |  |  |  |
|  |  |  |  |             |  |  |  | DAI                                                      |  |  |  |
|  |  |  |  |             |  |  |  | DWG NO                                                   |  |  |  |
|  |  |  |  |             |  |  |  | REV                                                      |  |  |  |
|  |  |  |  |             |  |  |  | B                                                        |  |  |  |
|  |  |  |  |             |  |  |  | 23835                                                    |  |  |  |
|  |  |  |  |             |  |  |  | 20019301                                                 |  |  |  |
|  |  |  |  |             |  |  |  | A                                                        |  |  |  |
|  |  |  |  |             |  |  |  | SCALE: 2/1                                               |  |  |  |
|  |  |  |  |             |  |  |  | UNCLASSIFIED                                             |  |  |  |
|  |  |  |  |             |  |  |  | SHEET 1 OF 1                                             |  |  |  |

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DO NOT SCALE DRAWING  
INTERPRET DIMENSIONING AND  
TOLERANCING PER ASME Y14.5 2009  
INTERPRET DWG PER ASME Y14.100