

**Document Name** SPIRE Pixel Maps  
**Document Number** SPIRE-RAL-NOT-001541  
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| <b>Issue</b> |  |                     |  |
|--------------|--|---------------------|--|
| 0.1 Draft    |  | Thursday 6-Mar-03   |  |
| 0.2 Draft    |  | Friday 7-Mar-03     | See SPIRE-RAL-NOT-001540 for change list   |
| 0.3          |  | Tuesday 23-Aug-05   | Updated to incorporate JPL-ECR-005 regarding the swap of the Kapton harnesses <i>inside</i> the BDAs   |
| 0.4          |  | Wednesday 28-Sep-05 | Fixed up PMW   |
| 0.5          |  | Wed 19 July-06      | Added cross reference between JFET Module and Board Serial Numbers   |
| 0.6          |  | Friday 8-Sep-06     | Updated the JFET allocation - replace SLW array since there appeared to be a dead pixel in PFM-3   |
| 0.7          |  | Wednesday 22-Nov-06 | Updated JFET Allocation (as per PFM-4 pre-delivery PFM calibration)<br>Included references to JFET power to allow cross-referencing with HDD |
| 1            |  | Tuesday 6-Mar-07    | Issued for PFM EIDP and DRB  |

| 1  | A       | B   | C                     | D     | E  | F | G | H     | I     | J           | K     | L   | M           | N           | O           | P          | Q       | R                        | S              | T             | U                    | V                    | W                      | X                     | Y               | Z   | AA          | AB          | AC         | AD         | AE  | AF              | AG          | AH           | AI         | AJ         | AK         | AL         | AM         | AN         | AO    | AP        | AQ          | AR           | AS             | AT   | AU  | AV |    |    |
|----|---------|-----|-----------------------|-------|----|---|---|-------|-------|-------------|-------|-----|-------------|-------------|-------------|------------|---------|--------------------------|----------------|---------------|----------------------|----------------------|------------------------|-----------------------|-----------------|-----|-------------|-------------|------------|------------|-----|-----------------|-------------|--------------|------------|------------|------------|------------|------------|------------|-------|-----------|-------------|--------------|----------------|------|-----|----|----|----|
| 2  | Px      | PSW | Array<br>(Definition) | EIDP  | Ch | X | Y | Sky X | Sky Y | BDA<br>Conn | Pin # | Tag | Cable Ident | FFU<br>Wall | J29<br>Conn | MDM<br>Pos | 18Pin # | JPL<br>JFET<br>Connector | JFET<br>Module | JFET<br>Power | JFET<br>Board<br>S/N | JFET<br>Board<br>S/N | JFET<br>Output<br>Conn | JFET<br>Output<br>Pos | MDM<br>25 Pin # | Tag | Cable Ident | Cable<br>OK | DCV<br>Pos | CVV<br>Neg | GND | Crystal<br>Wall | DCU<br>Conn | DCU<br>Pin # | DCU<br>Tag | DCU<br>LIA | LIA<br>MUX | DCU<br>ADC | LIA<br>MUX | DAQ<br>MUX | Delay | ADC<br>OK | Phase<br>On | Into<br>FPGA | Out of<br>FPGA |      |     |    |    |    |
| 3  | PSWR1   | R1  | A                     | Ch 1  |    |   |   |       |       | J03         | 1     | 26  | F1-12ax-A1  | B3          | J29         | 35         | 18      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 1   | 14          | 16          | CB-12ax-A1 | TRUE       | 26  | 37              | 36(A1)      | CVV.9        | J05        | 1          | 18         | 34         | CH01LIA.P1 | TRUE       | ADC.1 | 0         | 0.15        | TRUE         | 1              | 1    | 1   | 1  | 1  | 1  |
| 4  | PSW-D16 | D16 | B                     | Ch 2  |    |   |   |       |       | J03         | 2     | 27  | F1-12ax-A2  | B3          | J29         | 51         | 17      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 2   | 15          | 16          | CB-12ax-A2 | TRUE       | 38  | 49              | 36(A1)      | CVV.9        | J05        | 2          | 19         | 35         | CH02LIA.P1 | TRUE       | ADC.1 | 1         | 1           | 1            | 0.85           | TRUE | 19  | 2  | 2  | 2  |
| 5  | PSW-T1  | T1  | C                     | Ch 3  |    |   |   |       |       | J03         | 3     | 28  | F1-12ax-A3  | B3          | J29         | 16         | 34      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 3   | 16          | 16          | CB-12ax-A3 | TRUE       | 48  | 60              | 36(A1)      | CVV.9        | J05        | 3          | 20         | 36         | CH03LIA.P1 | TRUE       | ADC.1 | 2         | 1           | 0.85         | TRUE           | 37   | 3   | 3  | 3  |    |
| 6  | PSW-B16 | B16 | D                     | Ch 4  |    |   |   |       |       | J03         | 4     | 29  | F1-12ax-A4  | B3          | J29         | 33         | 50      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 4   | 17          | 16          | CB-12ax-A4 | TRUE       | 59  | 71              | 36(A1)      | CVV.9        | J05        | 4          | 21         | 37         | CH04LIA.P1 | TRUE       | ADC.1 | 3         | 1           | 1.3          | TRUE           | 55   | 4   | 4  | 4  |    |
| 7  | PSW-C15 | C15 | E                     | Ch 5  |    |   |   |       |       | J03         | 5     | 30  | F1-12ax-B1  | B3          | J29         | 49         | 15      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 5   | 18          | 16          | CB-12ax-B1 | TRUE       | 50  | 61              | 36(A1)      | CVV.9        | J05        | 5          | 22         | 38         | CH05LIA.P1 | TRUE       | ADC.1 | 4         | 1           | 1.65         | TRUE           | 73   | 5   | 5  | 5  |    |
| 8  | PSW-A15 | A15 | F                     | Ch 6  |    |   |   |       |       | J03         | 6     | 31  | F1-12ax-B2  | B3          | J29         | 14         | 32      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 6   | 19          | 16          | CB-12ax-B2 | TRUE       | 62  | 61              | 36(A1)      | CVV.9        | J05        | 6          | 23         | 39         | CH06LIA.P1 | TRUE       | ADC.1 | 5         | 1           | 2            | TRUE           | 71   | 6   | 6  | 6  |    |
| 9  | PSW-D15 | D15 | G                     | Ch 7  |    |   |   |       |       | J03         | 7     | 32  | F1-12ax-B3  | B3          | J29         | 48         | 31      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 20  | 7           | 16          | CB-12ax-B3 | TRUE       | 63  | 75              | 36(A1)      | CVV.9        | J05        | 7          | 24         | 40         | CH07LIA.P1 | TRUE       | ADC.1 | 6         | 1           | 2.35         | TRUE           | 109  | 7   | 7  | 7  |    |
| 10 | PSW-B15 | B15 | H                     | Ch 8  |    |   |   |       |       | J03         | 8     | 33  | F1-12ax-B4  | B3          | J29         | 13         | 47      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 21  | 8           | 16          | CB-12ax-B4 | TRUE       | 74  | 73              | 36(A1)      | CVV.9        | J05        | 8          | 25         | 41         | CH08LIA.P1 | TRUE       | ADC.1 | 7         | 1           | 2.7          | TRUE           | 127  | 8   | 8  | 8  |    |
| 11 | PSW-C14 | C14 | I                     | Ch 9  |    |   |   |       |       | J03         | 9     | 34  | F1-12ax-C1  | B3          | J29         | 30         | 12      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 22  | 9           | 16          | CB-12ax-C1 | TRUE       | 83  | 72              | 36(A1)      | CVV.9        | J05        | 28         | 10         | 43         | CH09LIA.P1 | TRUE       | ADC.1 | 8         | 1           | 3.05         | TRUE           | 145  | 9   | 9  | 9  |    |
| 12 | PSW-D14 | D14 | J                     | Ch 10 |    |   |   |       |       | J03         | 10    | 35  | F1-12ax-C2  | B3          | J29         | 46         | 29      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 23  | 10          | 16          | CB-12ax-C2 | TRUE       | 95  | 84              | 36(A1)      | CVV.9        | J05        | 27         | 11         | 44         | CH10LIA.P1 | TRUE       | ADC.1 | 9         | 1           | 3.4          | TRUE           | 163  | 10  | 10 | 10 |    |
| 13 | PSW-A14 | A14 | K                     | Ch 11 |    |   |   |       |       | J03         | 11    | 36  | F1-12ax-C3  | B3          | J29         | 11         | 45      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 24  | 11          | 16          | CB-12ax-C3 | TRUE       | 96  | 85              | 36(A1)      | CVV.9        | J05        | 28         | 12         | 45         | CH11LIA.P1 | TRUE       | ADC.1 | 10        | 1           | 3.75         | TRUE           | 181  | 11  | 11 | 11 |    |
| 14 | PSW-A13 | A13 | L                     | Ch 12 |    |   |   |       |       | J03         | 12    | 37  | F1-12ax-C4  | B3          | J29         | 28         | 10      | JBB                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J01                   | TRUE            | 25  | 12          | 16          | CB-12ax-C4 | TRUE       | 106 | 107             | 36(A1)      | CVV.9        | J05        | 29         | 13         | 46         | CH12LIA.P1 | TRUE       | ADC.1 | 11        | 1           | 4.31         | TRUE           | 199  | 12  | 12 | 12 |    |
| 15 | PSW-B14 | B14 | M                     | Ch 13 |    |   |   |       |       | J03         | 13    | 38  | F1-12ax-D1  | B3          | J29         | 27         | 44      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 1   | 14          | 16          | CB-12ax-D1 | TRUE       | 86  | 87              | 128         | AZ           | CVV.9      | J05        | 30         | 14         | 47         | CH13LIA.P1 | TRUE  | ADC.1     | 12          | 1            | 4.45           | TRUE | 217 | 13 | 13 | 13 |
| 16 | PSW-C13 | C13 | N                     | Ch 14 |    |   |   |       |       | J03         | 14    | 39  | F1-12ax-D2  | B3          | J29         | 43         | 9       | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 2   | 15          | 16          | CB-12ax-D2 | TRUE       | 97  | 88              | 128         | AZ           | CVV.9      | J05        | 31         | 15         | 48         | CH14LIA.P1 | TRUE  | ADC.1     | 13          | 1            | 4.8            | TRUE | 235 | 14 | 14 | 14 |
| 17 | PSW-B13 | B13 | P                     | Ch 15 |    |   |   |       |       | J03         | 15    | 40  | F1-12ax-D3  | B3          | J29         | 8          | 26      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 3   | 16          | 16          | CB-12ax-D3 | TRUE       | 108 | 109             | 128         | AZ           | CVV.9      | J05        | 32         | 16         | 49         | CH15LIA.P1 | TRUE  | ADC.1     | 14          | 1            | 5.15           | TRUE | 253 | 15 | 15 | 15 |
| 18 | PSW-D13 | D13 | Q                     | Ch 16 |    |   |   |       |       | J03         | 16    | 41  | F1-12ax-D4  | B3          | J29         | 25         | 42      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 4   | 17          | 16          | CB-12ax-D4 | TRUE       | 116 | 117             | 128         | AZ           | CVV.9      | J05        | 33         | 17         | 50         | CH16LIA.P1 | TRUE  | ADC.1     | 15          | 1            | 5.5            | TRUE | 271 | 16 | 16 | 16 |
| 19 | PSW-A12 | A12 | R                     | Ch 17 |    |   |   |       |       | J03         | 17    | 42  | F1-12ax-E1  | B3          | J29         | 41         | 7       | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 5   | 18          | 16          | CB-12ax-E1 | TRUE       | 55  | 66              | 128         | AZ           | CVV.9      | J06        | 1          | 18         | 34         | CH17LIA.P1 | TRUE  | ADC.1     | 0           | 2            | 0.25           | TRUE | 7   | 17 | 17 | 17 |
| 20 | PSW-C12 | C12 | T                     | Ch 18 |    |   |   |       |       | J03         | 18    | 43  | F1-12ax-E2  | B3          | J29         | 6          | 24      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 6   | 19          | 15          | CB-12ax-E2 | TRUE       | 67  | 78              | 128         | AZ           | CVV.9      | J06        | 2          | 19         | 35         | CH18LIA.P1 | TRUE  | ADC.1     | 1           | 2            | 0.6            | TRUE | 25  | 18 | 18 | 18 |
| 21 | PSW-D12 | D12 | U                     | Ch 19 |    |   |   |       |       | J03         | 19    | 44  | F1-12ax-E3  | B3          | J29         | 40         | 23      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 20  | 40          | 16          | CB-12ax-E3 | TRUE       | 68  | 79              | 128         | AZ           | CVV.9      | J06        | 3          | 20         | 36         | CH19LIA.P1 | TRUE  | ADC.1     | 2           | 2            | 0.95           | TRUE | 54  | 19 | 19 | 19 |
| 22 | PSW-B12 | B12 | V                     | Ch 20 |    |   |   |       |       | J03         | 20    | 45  | F1-12ax-E4  | B3          | J29         | 5          | 39      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 21  | 8           | 16          | CB-12ax-E4 | TRUE       | 88  | 89              | 128         | AZ           | CVV.9      | J06        | 4          | 21         | 37         | CH20LIA.P1 | TRUE  | ADC.1     | 3           | 2            | 1.4            | TRUE | 61  | 20 | 20 | 20 |
| 23 | PSW-E11 | E11 | W                     | Ch 21 |    |   |   |       |       | J03         | 21    | 46  | F1-12ax-F1  | B3          | J29         | 22         | 4       | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 22  | 9           | 16          | CB-12ax-F1 | TRUE       | 99  | 100             | 128         | AZ           | CVV.9      | J06        | 5          | 22         | 38         | CH21LIA.P1 | TRUE  | ADC.1     | 4           | 2            | 1.75           | TRUE | 79  | 21 | 21 | 21 |
| 24 | PSW-A11 | A11 | X                     | Ch 22 |    |   |   |       |       | J03         | 22    | 47  | F1-12ax-F2  | B3          | J29         | 38         | 21      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 23  | 10          | 16          | CB-12ax-F2 | TRUE       | 110 | 111             | 128         | AZ           | CVV.9      | J06        | 6          | 23         | 39         | CH22LIA.P1 | TRUE  | ADC.1     | 5           | 2            | 2.1            | TRUE | 97  | 22 | 22 | 22 |
| 25 | PSW-B11 | B11 | Y                     | Ch 23 |    |   |   |       |       | J03         | 23    | 48  | F1-12ax-F3  | B3          | J29         | 3          | 37      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 24  | 11          | 16          | CB-12ax-F3 | TRUE       | 119 | 119             | 128         | AZ           | CVV.9      | J06        | 7          | 24         | 40         | CH23LIA.P1 | TRUE  | ADC.1     | 6           | 2            | 2.45           | TRUE | 115 | 23 | 23 | 23 |
| 26 | PSW-B11 | B11 | Z                     | Ch 24 |    |   |   |       |       | J03         | 24    | 49  | F1-12ax-F4  | B3          | J29         | 20         | 36      | JAA                      | JFP.P1         | PSW_JFET_V1   | 19                   | 42                   | TRUE                   | J02                   | TRUE            | 25  | 12          | 16          | CB-12ax-F4 | TRUE       | 120 | 120             | 128         | AZ           | CVV.9      | J06        | 8          | 25         | 41         | CH24LIA.P1 | TRUE  | ADC.1     | 7           | 2            | 2.8            | TRUE | 133 | 24 | 24 | 24 |
| 27 | PSW-E1  | E1  | A                     | Ch 1  |    |   |   |       |       | J04         | 1     | 26  | F2-12ax-A1  | B3          | J30         | 35         | 18      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 1   | 14          | 15          | CB-12ax-G1 | TRUE       | 90  | 79              | 47          | A3           | CVV.9      | J06        | 26         | 10         | 43         | CH25LIA.P1 | TRUE  | ADC.1     | 8           | 2            | 3.15           | TRUE | 181 | 25 | 25 | 25 |
| 28 | PSW-E1  | E1  | B                     | Ch 2  |    |   |   |       |       | J04         | 2     | 27  | F2-12ax-A2  | B3          | J30         | 34         | 17      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 2   | 15          | 16          | CB-12ax-G2 | TRUE       | 102 | 101             | 47          | A3           | CVV.9      | J06        | 27         | 11         | 44         | CH26LIA.P1 | TRUE  | ADC.1     | 9           | 2            | 3.5            | TRUE | 199 | 26 | 26 | 26 |
| 29 | PSW-H1  | H1  | C                     | Ch 3  |    |   |   |       |       | J04         | 3     | 28  | F2-12ax-A3  | B3          | J30         | 16         | 34      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 3   | 16          | 16          | CB-12ax-G3 | TRUE       | 92  | 91              | 47          | A3           | CVV.9      | J06        | 28         | 12         | 45         | CH27LIA.P1 | TRUE  | ADC.1     | 10          | 2            | 3.85           | TRUE | 187 | 27 | 27 | 27 |
| 30 | PSW-H1  | H1  | D                     | Ch 4  |    |   |   |       |       | J04         | 4     | 29  | F2-12ax-A4  | B3          | J30         | 33         | 50      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 4   | 17          | 15          | CB-12ax-G4 | TRUE       | 103 | 113             | 47          | A3           | CVV.9      | J06        | 29         | 13         | 46         | CH28LIA.P1 | TRUE  | ADC.1     | 11          | 2            | 4.2            | TRUE | 205 | 28 | 28 | 28 |
| 31 | PSW-G1  | G1  | E                     | Ch 5  |    |   |   |       |       | J04         | 5     | 30  | F2-12ax-B1  | B3          | J30         | 48         | 15      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 5   | 18          | 15          | CB-12ax-H1 | TRUE       | 95  | 46              | 47          | A3           | CVV.9      | J06        | 30         | 14         | 47         | CH29LIA.P1 | TRUE  | ADC.1     | 12          | 2            | 4.55           | TRUE | 224 | 29 | 29 | 29 |
| 32 | PSW-J1  | J1  | F                     | Ch 6  |    |   |   |       |       | J04         | 6     | 31  | F2-12ax-B2  | B3          | J30         | 14         | 32      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 6   | 19          | 15          | CB-12ax-H2 | TRUE       | 88  | 57              | 47          | A3           | CVV.9      | J06        | 31         | 15         | 48         | CH30LIA.P1 | TRUE  | ADC.1     | 13          | 2            | 4.9            | TRUE | 241 | 30 | 30 | 30 |
| 33 | PSW-H2  | H2  | G                     | Ch 7  |    |   |   |       |       | J04         | 7     | 32  | F2-12ax-B3  | B3          | J30         | 48         | 31      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 20  | 7           | 16          | CB-12ax-H3 | TRUE       | 89  | 80              | 47          | A3           | CVV.9      | J06        | 32         | 16         | 49         | CH31LIA.P1 | TRUE  | ADC.1     | 14          | 2            | 5.25           | TRUE | 259 | 31 | 31 | 31 |
| 34 | PSW-F2  | F2  | H                     | Ch 8  |    |   |   |       |       | J04         | 8     | 33  | F2-12ax-B4  | B3          | J30         | 13         | 47      | JBB                      | JFP.P2         | PSW_JFET_V2   | 20                   | 50                   | TRUE                   | J03                   | TRUE            | 21  | 8           | 15          | CB-12ax-H4 | TRUE       | 70  | 81              | 47          | A3           | CVV.9      | J06        | 33         | 17         | 50         | CH32LIA.P1 | TRUE  | ADC.1     | 15          | 2            | 5.6            | TRUE | 277 | 32 | 32 | 32 |
| 35 | PSW-G2  | G2  | I                     | Ch 9  |    |   |   |       |       | J04         | 9     | 34  | F2-12ax     |             |             |            |         |                          |                |               |                      |                      |                        |                       |                 |     |             |             |            |            |     |                 |             |              |            |            |            |            |            |            |       |           |             |              |                |      |     |    |    |    |







| A  | B       | C     | D | E | F     | G     | H        | I   | J   | K           | L        | M          | N         | O   | P                  | Q           | R           | S               | T              | U        | V            | W            | X          | Y   | Z   | AA         | AB          | AC       | AD      | AE      | AF      | AG          | AH        | AI        | AJ       | AK         | AL         | AM      | AN      | AO      | AP    | AQ     | AR      | AS        | AT  | AU  |     |
|----|---------|-------|---|---|-------|-------|----------|-----|-----|-------------|----------|------------|-----------|-----|--------------------|-------------|-------------|-----------------|----------------|----------|--------------|--------------|------------|-----|-----|------------|-------------|----------|---------|---------|---------|-------------|-----------|-----------|----------|------------|------------|---------|---------|---------|-------|--------|---------|-----------|-----|-----|-----|
| 1  | PLW     | Array | X | Y | Sky X | Sky Y | BDX Conn | Pos | Neg | Cable Ident | FWL Wall | JFET Conn. | MDM51 Pos | Neg | JFL JFET Connector | JFET Module | JFET Power  | JFET Module S/N | JFET Board S/N | JFET S/N | Output Conn. | Output Conn. | MCM 25 Pin | Pos | Neg | GND        | Cable Ident | DCU Conn | CVX Pos | CVY Neg | GND     | Output Wall | DCU Conn. | DCU Conn. | DCU File | DCU LIA    | LRX        | DCU ADC | LRA MLX | DAG MLX | Delay | Rec'pt | Proc On | Info FPGA | T1  | T2  |     |
| 3  | PLW-R1  | R1    | A |   |       |       | J05      | 1   | 26  | F6-12ax-A1  | B5       | J35        | 35        | 18  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 1          | 14  | 13  | C6-12ax-A1 | TRUE        | 28       | 37      | 36(A1)  | CVV-6   | J14         | 1         | 18        | 34       | CH17LIA_P5 | TRUE       | ADC_4   | 0       | 1       | 0.15  | TRUE   | TRUE    | 4         | 1   | 145 |     |
| 4  | PLW-A8  | A8    | B |   |       |       | J05      | 2   | 27  | F6-12ax-A2  | B5       | J35        | 51        | 17  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 2          | 15  | 13  | C6-12ax-A2 | TRUE        | 38       | 49      | 36(A1)  | CVV-6   | J14         | 2         | 19        | 35       | CH18LIA_P5 | TRUE       | ADC_4   | 1       | 1       | 0.5   | TRUE   | TRUE    | 22        | 2   | 146 |     |
| 5  | PLW-A7  | A7    | C |   |       |       | J05      | 3   | 28  | F6-12ax-A3  | B5       | J35        | 16        | 24  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 3          | 16  | 13  | C6-12ax-A3 | TRUE        | 48       | 60      | 36(A1)  | CVV-6   | J14         | 3         | 20        | 36       | CH19LIA_P5 | TRUE       | ADC_4   | 2       | 1       | 0.85  | TRUE   | TRUE    | 40        | 3   | 147 |     |
| 6  | PLW-A6  | A6    | D |   |       |       | J05      | 4   | 29  | F6-12ax-A4  | B5       | J35        | 33        | 50  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 4          | 17  | 13  | C6-12ax-A4 | TRUE        | 59       | 71      | 36(A1)  | CVV-6   | J14         | 4         | 21        | 37       | CH20LIA_P5 | TRUE       | ADC_4   | 3       | 1       | 1.3   | TRUE   | TRUE    | 58        | 4   | 148 |     |
| 7  | PLW-A9  | A9    | E |   |       |       | J05      | 5   | 30  | F6-12ax-B1  | B5       | J35        | 49        | 15  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 5          | 18  | 13  | C6-12ax-B1 | TRUE        | 50       | 61      | 36(A1)  | CVV-6   | J14         | 5         | 22        | 38       | CH21LIA_P5 | TRUE       | ADC_4   | 4       | 1       | 1.65  | TRUE   | TRUE    | 76        | 5   | 149 |     |
| 8  | PLW-C9  | C9    | F |   |       |       | J05      | 6   | 31  | F6-12ax-B2  | B5       | J35        | 14        | 32  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 6          | 19  | 13  | C6-12ax-B2 | TRUE        | 62       | 61      | 36(A1)  | CVV-6   | J14         | 6         | 23        | 39       | CH22LIA_P5 | TRUE       | ADC_4   | 4       | 5       | 1     | 2      | TRUE    | TRUE      | 94  | 6   | 150 |
| 9  | PLW-B8  | B8    | G |   |       |       | J05      | 7   | 32  | F6-12ax-B3  | B5       | J35        | 48        | 31  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 7          | 20  | 7   | 13         | C6-12ax-B3  | TRUE     | 63      | 75      | 36(A1)  | CVV-6       | J14       | 7         | 24       | 40         | CH23LIA_P5 | TRUE    | ADC_4   | 6       | 1     | 2.35   | TRUE    | TRUE      | 112 | 7   | 151 |
| 10 | PLW-D7  | D7    | H |   |       |       | J05      | 8   | 33  | F6-12ax-B4  | B5       | J35        | 13        | 47  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 8          | 21  | 8   | 13         | C6-12ax-B4  | TRUE     | 74      | 73      | 36(A1)  | CVV-6       | J14       | 8         | 25       | 41         | CH24LIA_P5 | TRUE    | ADC_4   | 7       | 1     | 2.7    | TRUE    | TRUE      | 130 | 8   | 152 |
| 11 | PLW-G7  | G7    | I |   |       |       | J05      | 9   | 34  | F6-12ax-C1  | B5       | J35        | 30        | 12  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 9          | 22  | 9   | 13         | C6-12ax-C1  | TRUE     | 83      | 72      | 36(A1)  | CVV-6       | J14       | 9         | 26       | 10         | CH25LIA_P5 | TRUE    | ADC_4   | 8       | 1     | 3.05   | TRUE    | TRUE      | 148 | 9   | 153 |
| 12 | PLW-B5  | B5    | J |   |       |       | J05      | 10  | 35  | F6-12ax-C2  | B5       | J35        | 46        | 29  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 10         | 23  | 10  | 13         | C6-12ax-C2  | TRUE     | 85      | 84      | 36(A1)  | CVV-6       | J14       | 10        | 27       | 11         | CH26LIA_P5 | TRUE    | ADC_4   | 9       | 1     | 3.4    | TRUE    | TRUE      | 166 | 10  | 154 |
| 13 | PLW-B6  | B6    | K |   |       |       | J05      | 11  | 36  | F6-12ax-C3  | B5       | J35        | 11        | 45  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 11         | 24  | 11  | 13         | C6-12ax-C3  | TRUE     | 86      | 85      | 36(A1)  | CVV-6       | J14       | 11        | 28       | 12         | CH27LIA_P5 | TRUE    | ADC_4   | 10      | 1     | 3.75   | TRUE    | TRUE      | 184 | 11  | 155 |
| 14 | PLW-A5  | A5    | L |   |       |       | J05      | 12  | 37  | F6-12ax-C4  | B5       | J35        | 28        | 10  | JBB                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J13          | TRUE         | 12         | 25  | 12  | 13         | C6-12ax-C4  | TRUE     | 106     | 107     | 36(A1)  | CVV-6       | J14       | 12        | 29       | 13         | CH28LIA_P5 | TRUE    | ADC_4   | 11      | 1     | 4.1    | TRUE    | TRUE      | 202 | 12  | 156 |
| 15 | PLW-T1  | T1    | M |   |       |       | J05      | 13  | 38  | F6-12ax-D1  | B5       | J35        | 27        | 44  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 1          | 14  | 13  | C6-12ax-D1 | TRUE        | 88       | 87      | 128(A2) | CVV-6   | J14         | 13        | 10        | 14       | 47         | CH29LIA_P5 | TRUE    | ADC_4   | 12      | 1     | 4.45   | TRUE    | TRUE      | 220 | 13  | 157 |
| 16 | PLW-B4  | B4    | N |   |       |       | J05      | 14  | 39  | F6-12ax-D2  | B5       | J35        | 43        | 9   | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 2          | 15  | 13  | C6-12ax-D2 | TRUE        | 97       | 96      | 128(A2) | CVV-6   | J14         | 14        | 11        | 15       | 48         | CH30LIA_P5 | TRUE    | ADC_4   | 13      | 1     | 4.8    | TRUE    | TRUE      | 238 | 14  | 158 |
| 17 | PLW-C4  | C4    | P |   |       |       | J05      | 15  | 40  | F6-12ax-D3  | B5       | J35        | 8         | 26  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 3          | 16  | 13  | C6-12ax-D3 | TRUE        | 108      | 109     | 128(A2) | CVV-6   | J14         | 15        | 16        | 49       | CH31LIA_P5 | TRUE       | ADC_4   | 14      | 1       | 5.15  | TRUE   | TRUE    | 256       | 15  | 159 |     |
| 18 | PLW-B3  | B3    | R |   |       |       | J05      | 16  | 41  | F6-12ax-D4  | B5       | J35        | 25        | 42  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 4          | 17  | 13  | C6-12ax-D4 | TRUE        | 116      | 117     | 128(A2) | CVV-6   | J14         | 16        | 17        | 50       | CH32LIA_P5 | TRUE       | ADC_4   | 15      | 1       | 5.5   | TRUE   | TRUE    | 274       | 16  | 160 |     |
| 19 | PLW-C2  | C2    | S |   |       |       | J05      | 17  | 42  | F6-12ax-E1  | B5       | J35        | 41        | 7   | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 5          | 18  | 13  | C6-12ax-E1 | TRUE        | 55       | 66      | 128(A2) | CVV-6   | J15         | 1         | 18        | 34       | CH01LIA_P6 | TRUE       | ADC_4   | 0       | 2       | 0.25  | TRUE   | TRUE    | 10        | 17  | 161 |     |
| 20 | PLW-B2  | B2    | T |   |       |       | J05      | 18  | 43  | F6-12ax-E2  | B5       | J35        | 6         | 24  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 6          | 19  | 13  | C6-12ax-E2 | TRUE        | 67       | 78      | 128(A2) | CVV-6   | J15         | 2         | 19        | 35       | CH02LIA_P6 | TRUE       | ADC_4   | 1       | 2       | 0.6   | TRUE   | TRUE    | 28        | 18  | 162 |     |
| 21 | PLW-B1  | B1    | U |   |       |       | J05      | 19  | 44  | F6-12ax-E3  | B5       | J35        | 40        | 23  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 7          | 20  | 7   | 13         | C6-12ax-E3  | TRUE     | 76      | 77      | 128(A2) | CVV-6       | J15       | 3         | 20       | 36         | CH03LIA_P6 | TRUE    | ADC_4   | 2       | 2     | 0.95   | TRUE    | TRUE      | 46  | 19  | 163 |
| 22 | PLW-A3  | A3    | V |   |       |       | J05      | 20  | 45  | F6-12ax-E4  | B5       | J35        | 5         | 39  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 8          | 21  | 8   | 13         | C6-12ax-E4  | TRUE     | 88      | 89      | 128(A2) | CVV-6       | J15       | 4         | 21       | 37         | CH04LIA_P6 | TRUE    | ADC_4   | 3       | 2     | 1.4    | TRUE    | TRUE      | 64  | 20  | 164 |
| 23 | PLW-A4  | A4    | W |   |       |       | J05      | 21  | 46  | F6-12ax-F1  | B5       | J35        | 22        | 4   | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 9          | 22  | 9   | 13         | C6-12ax-F1  | TRUE     | 99      | 100     | 128(A2) | CVV-6       | J15       | 5         | 22       | 38         | CH05LIA_P6 | TRUE    | ADC_4   | 4       | 2     | 1.75   | TRUE    | TRUE      | 82  | 21  | 165 |
| 24 | PLW-A1  | A1    | X |   |       |       | J05      | 22  | 47  | F6-12ax-F2  | B5       | J35        | 38        | 21  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 10         | 23  | 10  | 13         | C6-12ax-F2  | TRUE     | 110     | 111     | 128(A2) | CVV-6       | J15       | 6         | 23       | 39         | CH06LIA_P6 | TRUE    | ADC_4   | 5       | 2     | 2.1    | TRUE    | TRUE      | 100 | 22  | 166 |
| 25 | PLW-DP1 | DP1   | Y |   |       |       | J05      | 23  | 48  | F6-12ax-F3  | B5       | J35        | 3         | 37  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 11         | 24  | 11  | 13         | C6-12ax-F3  | TRUE     | 118     | 119     | 128(A2) | CVV-6       | J15       | 7         | 24       | 40         | CH07LIA_P6 | TRUE    | ADC_4   | 6       | 2     | 2.45   | TRUE    | TRUE      | 118 | 23  | 167 |
| 26 | PLW-A2  | A2    | Z |   |       |       | J05      | 24  | 49  | F6-12ax-F4  | B5       | J35        | 20        | 36  | JAA                | JFP-P7      | PLW_JFET_V1 | 17              | 43             | TRUE     | J14          | TRUE         | 12         | 25  | 12  | 13         | C6-12ax-F4  | TRUE     | 112     | 120     | 128(A2) | CVV-6       | J15       | 8         | 25       | 41         | CH08LIA_P6 | TRUE    | ADC_4   | 7       | 2     | 2.8    | TRUE    | TRUE      | 136 | 24  | 168 |
| 27 | PLW-E1  | E1    | A |   |       |       | J06      | 1   | 25  | F6-12ax-A1  | B6       | J36        | 35        | 18  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 1          | 14  | 13  | C6-12ax-G1 | TRUE        | 90       | 79      | 47(A3)  | CVV-6   | J15         | 28        | 10        | 43       | CH09LIA_P6 | TRUE       | ADC_4   | 8       | 2       | 3.15  | TRUE   | TRUE    | 154       | 25  | 169 |     |
| 28 | PLW-E2  | E2    | B |   |       |       | J06      | 2   | 27  | F6-12ax-A2  | B6       | J36        | 51        | 17  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 2          | 15  | 13  | C6-12ax-G2 | TRUE        | 102      | 101     | 47(A3)  | CVV-6   | J15         | 27        | 11        | 44       | CH10LIA_P6 | TRUE       | ADC_4   | 9       | 2       | 3.5   | TRUE   | TRUE    | 172       | 26  | 170 |     |
| 29 | PLW-E3  | E3    | C |   |       |       | J06      | 3   | 28  | F6-12ax-A3  | B6       | J36        | 16        | 34  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 3          | 16  | 13  | C6-12ax-G3 | TRUE        | 92       | 81      | 47(A3)  | CVV-6   | J15         | 28        | 12        | 45       | CH11LIA_P6 | TRUE       | ADC_4   | 10      | 2       | 3.85  | TRUE   | TRUE    | 190       | 27  | 171 |     |
| 30 | PLW-E4  | E4    | D |   |       |       | J06      | 4   | 29  | F6-12ax-A4  | B6       | J36        | 33        | 50  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 4          | 17  | 13  | C6-12ax-G4 | TRUE        | 103      | 113     | 47(A3)  | CVV-6   | J15         | 29        | 13        | 46       | CH12LIA_P6 | TRUE       | ADC_4   | 11      | 2       | 4.2   | TRUE   | TRUE    | 208       | 28  | 172 |     |
| 31 | PLW-D1  | D1    | E |   |       |       | J06      | 5   | 30  | F6-12ax-B1  | B6       | J36        | 49        | 15  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 5          | 18  | 13  | C6-12ax-H1 | TRUE        | 58       | 46      | 47(A3)  | CVV-6   | J15         | 30        | 14        | 47       | CH13LIA_P6 | TRUE       | ADC_4   | 12      | 2       | 4.55  | TRUE   | TRUE    | 226       | 29  | 173 |     |
| 32 | PLW-D2  | D2    | F |   |       |       | J06      | 6   | 31  | F6-12ax-B2  | B6       | J36        | 14        | 32  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 6          | 19  | 13  | C6-12ax-H2 | TRUE        | 68       | 57      | 47(A3)  | CVV-6   | J15         | 31        | 15        | 48       | CH14LIA_P6 | TRUE       | ADC_4   | 13      | 2       | 4.9   | TRUE   | TRUE    | 244       | 30  | 174 |     |
| 33 | PLW-D3  | D3    | G |   |       |       | J06      | 7   | 32  | F6-12ax-B3  | B6       | J36        | 46        | 31  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 7          | 20  | 7   | 13         | C6-12ax-H3  | TRUE     | 69      | 80      | 47(A3)  | CVV-6       | J15       | 32        | 16       | 49         | CH15LIA_P6 | TRUE    | ADC_4   | 14      | 2     | 5.25   | TRUE    | TRUE      | 262 | 31  | 175 |
| 34 | PLW-D4  | D4    | H |   |       |       | J06      | 8   | 33  | F6-12ax-B4  | B6       | J36        | 13        | 47  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 8          | 21  | 8   | 13         | C6-12ax-H4  | TRUE     | 70      | 81      | 47(A3)  | CVV-6       | J15       | 33        | 17       | 50         | CH16LIA_P6 | TRUE    | ADC_4   | 15      | 2     | 5.6    | TRUE    | TRUE      | 280 | 32  | 176 |
| 35 | PLW-C1  | C1    | I |   |       |       | J06      | 9   | 34  | F6-12ax-C1  | B6       | J36        | 30        | 12  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 9          | 22  | 9   | 13         | C6-12ax-I1  | TRUE     | 23      | 34      | 47(A3)  | CVV-6       | J16       | 1         | 18       | 34         | CH17LIA_P6 | TRUE    | ADC_4   | 0       | 3     | 0.35   | TRUE    | TRUE      | 16  | 33  | 177 |
| 36 | PLW-C3  | C3    | J |   |       |       | J06      | 10  | 35  | F6-12ax-C2  | B6       | J36        | 46        | 29  | JBB                | JFP-P8      | PLW_JFET_V2 | 17              | 41             | TRUE     | J15          | TRUE         | 10         | 23  | 10  | 13         | C6-12ax-I2  | TRUE     | 33      | 45      | 47(A3)  | CVV-6       | J16       | 2         | 19       | 35         | CH18LIA_P6 | TRUE    | ADC_4   | 1       | 3     | 0.7    | TRUE    | TRUE      | 34  | 34  | 178 |
|    |         |       |   |   |       |       |          |     |     |             |          |            |           |     |                    |             |             |                 |                |          |              |              |            |     |     |            |             |          |         |         |         |             |           |           |          |            |            |         |         |         |       |        |         |           |     |     |     |



| A  | C       | D                | E  | F  | G     | H     | I        | J         | K           | L        | M          | N                | O            | P              | Q           | R          | S           | T          | U       | V            | W           | X                | Y     | Z     | AA          | AB        | AC     | AD            | AE        | AF            | AG     | AH     | AI      | AJ     | AK         | AL   | AM      | AN     | AO       | AP        | AQ          | AR | AS | AT |
|----|---------|------------------|----|----|-------|-------|----------|-----------|-------------|----------|------------|------------------|--------------|----------------|-------------|------------|-------------|------------|---------|--------------|-------------|------------------|-------|-------|-------------|-----------|--------|---------------|-----------|---------------|--------|--------|---------|--------|------------|------|---------|--------|----------|-----------|-------------|----|----|----|
| 1  | SLW     | Array Definition | X  | Y  | Sky x | Sky y | BOA Conn | Pin # Pos | Cable Ident | FRU Wall | JFET Conn. | MDM 51 Pin # Pos | JPL/JFET Neg | JFET Connector | JFET Module | JFET Power | JFET Module | JFET Board | JFET UK | Output Conn. | JPER Output | MDM 25 Pin # Pos | Y Neg | Z GND | Cable Ident | Cable Out | CVV C2 | Copypast Wall | DCU Conn. | DCU Pin # Pos | AI Neg | AJ GND | DCU LIA | LIA OK | DCU ADC    | LIA  | DAQ MUX | ADC OK | Power On | Into FPGA | Out of FPGA | T1 | T2 |    |
| 3  | SLW-R1  | A                | NA | NA |       |       | J05      | 1 26      | F15-12ax-A1 | B2       | J13        | 35               | 18           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 1                | 14    | 13    | C1-12ax-A1  | TRUE      | 26     | 37            | 115(A1)   | CVV1          | J27    | 20     | 2       | 1      | CH01LIA_S3 | TRUE | ADC_5   | 0      | 0        | TRUE      | TRUE        | 5  | 1  | 49 |
| 4  | SLW-T1  | B                | NA | NA |       |       | J05      | 2 27      | F15-12ax-A2 | B2       | J13        | 51               | 17           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 2                | 15    | 13    | C1-12ax-A2  | TRUE      | 38     | 49            | 115(A1)   | CVV1          | J27    | 3      | 22      | 21     | CH02LIA_S3 | TRUE | ADC_5   | 1      | 0        | TRUE      | TRUE        | 11 | 2  | 50 |
| 5  | SLW-C1  | C                |    |    |       |       | J05      | 3 28      | F15-12ax-A3 | B2       | J13        | 16               | 34           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 3                | 16    | 13    | C1-12ax-A3  | TRUE      | 48     | 60            | 115(A1)   | CVV1          | J27    | 23     | 5       | 4      | CH03LIA_S3 | TRUE | ADC_5   | 2      | 0        | TRUE      | TRUE        | 17 | 3  | 51 |
| 6  | SLW-DK1 | D                |    |    |       |       | J05      | 4 29      | F15-12ax-A4 | B2       | J13        | 33               | 50           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 4                | 17    | 13    | C1-12ax-A4  | TRUE      | 59     | 71            | 115(A1)   | CVV1          | J27    | 6      | 25      | 24     | CH04LIA_S3 | TRUE | ADC_5   | 3      | 0        | TRUE      | TRUE        | 23 | 4  | 52 |
| 7  | SLW-B1  | E                |    |    |       |       | J05      | 5 30      | F15-12ax-B1 | B2       | J13        | 49               | 15           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 5                | 18    | 13    | C1-12ax-B1  | TRUE      | 50     | 61            | 115(A1)   | CVV1          | J27    | 26     | 8       | 7      | CH05LIA_S3 | TRUE | ADC_5   | 4      | 0        | TRUE      | TRUE        | 29 | 5  | 53 |
| 8  | SLW-D1  | F                |    |    |       |       | J05      | 6 31      | F15-12ax-B2 | B2       | J13        | 14               | 32           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 6                | 19    | 13    | C1-12ax-B2  | TRUE      | 62     | 51            | 115(A1)   | CVV1          | J27    | 9      | 28      | 27     | CH06LIA_S3 | TRUE | ADC_5   | 5      | 0        | TRUE      | TRUE        | 35 | 6  | 54 |
| 9  | SLW-E1  | G                |    |    |       |       | J05      | 7 32      | F15-12ax-B3 | B2       | J13        | 48               | 31           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 7                | 19    | 13    | C1-12ax-B3  | TRUE      | 63     | 75            | 115(A1)   | CVV1          | J27    | 11     | 29      | 30     | CH07LIA_S3 | TRUE | ADC_5   | 6      | 0        | TRUE      | TRUE        | 41 | 7  | 55 |
| 10 | SLW-A1  | H                |    |    |       |       | J05      | 8 33      | F15-12ax-B4 | B2       | J13        | 13               | 47           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 8                | 13    | 13    | C1-12ax-B4  | TRUE      | 74     | 73            | 115(A1)   | CVV1          | J27    | 31     | 12      | 13     | CH08LIA_S3 | TRUE | ADC_5   | 7      | 0        | TRUE      | TRUE        | 47 | 8  | 56 |
| 11 | SLW-C2  | I                |    |    |       |       | J05      | 9 34      | F15-12ax-C1 | B2       | J13        | 30               | 12           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 9                | 13    | 13    | C1-12ax-C1  | TRUE      | 83     | 72            | 115(A1)   | CVV1          | J27    | 14     | 32      | 33     | CH09LIA_S3 | TRUE | ADC_5   | 8      | 0        | TRUE      | TRUE        | 53 | 9  | 57 |
| 12 | SLW-D2  | J                |    |    |       |       | J05      | 10 35     | F15-12ax-C2 | B2       | J13        | 46               | 29           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 10               | 13    | 13    | C1-12ax-C2  | TRUE      | 95     | 84            | 115(A1)   | CVV1          | J27    | 34     | 15      | 16     | CH10LIA_S3 | TRUE | ADC_5   | 9      | 0        | TRUE      | TRUE        | 59 | 10 | 58 |
| 13 | SLW-B2  | K                |    |    |       |       | J05      | 11 36     | F15-12ax-C3 | B2       | J13        | 11               | 45           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 11               | 13    | 13    | C1-12ax-C3  | TRUE      | 96     | 85            | 115(A1)   | CVV1          | J27    | 17     | 35      | 36     | CH11LIA_S3 | TRUE | ADC_5   | 10     | 0        | TRUE      | TRUE        | 65 | 11 | 59 |
| 14 | SLW-E2  | L                |    |    |       |       | J05      | 12 37     | F15-12ax-C4 | B2       | J13        | 28               | 10           | JBB            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 12               | 13    | 13    | C1-12ax-C4  | TRUE      | 106    | 107           | 115(A1)   | CVV1          | J27    | 37     | 18      | 19     | CH12LIA_S3 | TRUE | ADC_5   | 11     | 0        | TRUE      | TRUE        | 71 | 12 | 60 |
| 15 | SLW-A2  | M                |    |    |       |       | J05      | 13 38     | F15-12ax-D1 | B2       | J13        | 27               | 44           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 1                | 14    | 13    | C1-12ax-D1  | TRUE      | 86     | 87            | 122(A2)   | CVV1          | J28    | 20     | 2       | 1      | CH13LIA_S3 | TRUE | ADC_6   | 0      | 0        | TRUE      | TRUE        | 6  | 13 | 61 |
| 16 | SLW-C3  | N                |    |    |       |       | J05      | 14 39     | F15-12ax-D2 | B2       | J13        | 43               | 9            | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 2                | 15    | 13    | C1-12ax-D2  | TRUE      | 97     | 98            | 122(A2)   | CVV1          | J28    | 3      | 22      | 21     | CH14LIA_S3 | TRUE | ADC_6   | 1      | 0        | TRUE      | TRUE        | 12 | 14 | 62 |
| 17 | SLW-D3  | P                |    |    |       |       | J05      | 15 40     | F15-12ax-D3 | B2       | J13        | 8                | 26           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 3                | 16    | 13    | C1-12ax-D3  | TRUE      | 108    | 109           | 122(A2)   | CVV1          | J28    | 23     | 5       | 4      | CH15LIA_S3 | TRUE | ADC_6   | 2      | 0        | TRUE      | TRUE        | 18 | 15 | 63 |
| 18 | SLW-B3  | R                |    |    |       |       | J05      | 16 41     | F15-12ax-D4 | B2       | J13        | 25               | 42           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 4                | 17    | 13    | C1-12ax-D4  | TRUE      | 116    | 117           | 122(A2)   | CVV1          | J28    | 6      | 25      | 24     | CH16LIA_S3 | TRUE | ADC_6   | 3      | 0        | TRUE      | TRUE        | 24 | 16 | 64 |
| 19 | SLW-E3  | S                |    |    |       |       | J05      | 17 42     | F15-12ax-E1 | B2       | J13        | 41               | 7            | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 5                | 18    | 13    | C1-12ax-E1  | TRUE      | 55     | 66            | 122(A2)   | CVV1          | J28    | 26     | 8       | 7      | CH17LIA_S3 | TRUE | ADC_6   | 4      | 0        | TRUE      | TRUE        | 30 | 17 | 65 |
| 20 | SLW-C4  | T                |    |    |       |       | J05      | 18 43     | F15-12ax-E2 | B2       | J13        | 6                | 24           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J05          | TRUE        | 6                | 19    | 13    | C1-12ax-E2  | TRUE      | 67     | 78            | 122(A2)   | CVV1          | J28    | 9      | 28      | 27     | CH18LIA_S3 | TRUE | ADC_6   | 5      | 0        | TRUE      | TRUE        | 36 | 18 | 66 |
| 21 | SLW-DK3 | U                |    |    |       |       | J05      | 19 44     | F15-12ax-E3 | B2       | J13        | 40               | 23           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 7                | 13    | 13    | C1-12ax-E3  | TRUE      | 76     | 77            | 122(A2)   | CVV1          | J28    | 11     | 29      | 30     | CH19LIA_S3 | TRUE | ADC_6   | 6      | 0        | TRUE      | TRUE        | 42 | 19 | 67 |
| 22 | SLW-D4  | V                |    |    |       |       | J05      | 20 45     | F15-12ax-E4 | B2       | J13        | 5                | 39           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 8                | 13    | 13    | C1-12ax-E4  | TRUE      | 88     | 89            | 122(A2)   | CVV1          | J28    | 31     | 12      | 13     | CH20LIA_S3 | TRUE | ADC_6   | 7      | 0        | TRUE      | TRUE        | 48 | 20 | 68 |
| 23 | SLW-C5  | W                |    |    |       |       | J05      | 21 46     | F15-12ax-F1 | B2       | J13        | 22               | 4            | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 9                | 13    | 13    | C1-12ax-F1  | TRUE      | 99     | 100           | 122(A2)   | CVV1          | J28    | 14     | 32      | 33     | CH21LIA_S3 | TRUE | ADC_6   | 8      | 0        | TRUE      | TRUE        | 54 | 21 | 69 |
| 24 | SLW-B4  | X                |    |    |       |       | J05      | 22 47     | F15-12ax-F2 | B2       | J13        | 38               | 21           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 10               | 13    | 13    | C1-12ax-F2  | TRUE      | 110    | 111           | 122(A2)   | CVV1          | J28    | 34     | 15      | 16     | CH22LIA_S3 | TRUE | ADC_6   | 9      | 0        | TRUE      | TRUE        | 60 | 22 | 70 |
| 25 | SLW-A3  | Y                |    |    |       |       | J05      | 23 48     | F15-12ax-F3 | B2       | J13        | 3                | 37           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 11               | 13    | 13    | C1-12ax-F3  | TRUE      | 118    | 119           | 122(A2)   | CVV1          | J28    | 17     | 35      | 36     | CH23LIA_S3 | TRUE | ADC_6   | 10     | 0        | TRUE      | TRUE        | 66 | 23 | 71 |
| 26 | SLW-T2  | Z                |    |    |       |       | J05      | 24 49     | F15-12ax-F4 | B2       | J13        | 20               | 36           | JAA            | JFS_S3      | SLW_JFET_V | 14          | 36         | TRUE    | J06          | TRUE        | 12               | 13    | 13    | C1-12ax-F4  | TRUE      | 112    | 120           | 122(A2)   | CVV1          | J28    | 37     | 18      | 19     | CH24LIA_S3 | TRUE | ADC_6   | 11     | 0        | TRUE      | TRUE        | 72 | 24 | 72 |