

## Acknowledgements

This document is built largely from others contributions in the Viperpit forums. The F16 layout diagram is from Martin "Pegasus" Schmitt.

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## The Panels in the Pit

The section summarises the panels in the pit. It includes references to Mark Dorans Callback worksheet and uses pictures cut from Martins F16 pit picture. The panels are in order from the back left of the pit in a clockwise direction.

A empty space in the callbacks section means that at the time of spreadsheet creation the switch was not function in Falcon4. Variants of Falon4 such as Open Falcon probably have callbacks not recorded in this document.

The callbacks are copied from the spreadsheet and pasted as a RTF object, which results in a word table. The font is reduced to 10 points. Macros where used pretty heavily when creating this document. Something I found useful was creating a new toolbar and then Assigning the Macro to the toolbar by Tools -> Customize -> Commands -> Selecting Macros in the left hand column and dragging the macros I needed to the new toolbar.

|                         |         |
|-------------------------|---------|
| Build Status            |         |
| Panel Purchased         |         |
| Back Panel Purchased    |         |
| Mounted in Pit          |         |
| Backlighting            | Ordered |
| Wired                   |         |
| Knobs mounted           |         |
| Inputs Tested           |         |
| Outputs Tested          |         |
| Protective Coat Applied |         |

## Test



|                         |         |
|-------------------------|---------|
| Build Status            |         |
| Panel Purchased         |         |
| Back Panel Purchased    |         |
| Mounted in Pit          |         |
| Backlighting            | Ordered |
| Wired                   |         |
| Knobs mounted           |         |
| Inputs Tested           |         |
| Outputs Tested          |         |
| Protective Coat Applied |         |

|                     | Poles | Switch type     | Positions | Postion names                             | Notes | Callback |
|---------------------|-------|-----------------|-----------|---|-------|----------|
| EPU gen             | 2     | toggle          | off-on    | off-epu gen                               |       |          |
| PROBE HEAT          | 3     | toggle          | on-off-on | test-off-probe heat                       |       |          |
| FIRE & OHEAT DETECT | 2     | push            | off-(on)  | n/a                                       |       |          |
| OXY                 | 2     | toggle          | off-on    | off-QTY                                   |       |          |
| MAL & IND LTS       | 2     |                 |           | n/a                                       |       |          |
| A B C D             | 0     | indicator light | none      | C A D B quartered markings on legend tile |       |          |
| test maint          | 3     | locking toggle  | on-off-on | h   |       |          |

Notes:

Consider hard wiring indicators to on when power is available.

## Anti-G



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| Switch Name | Poles | Switch type | Positions | Postion names | Notes | Callback |
|-------------|-------|-------------|-----------|---------------|-------|----------|
| test        | 2     | push        | off-(on)  | Test          |       |          |

## Flt control

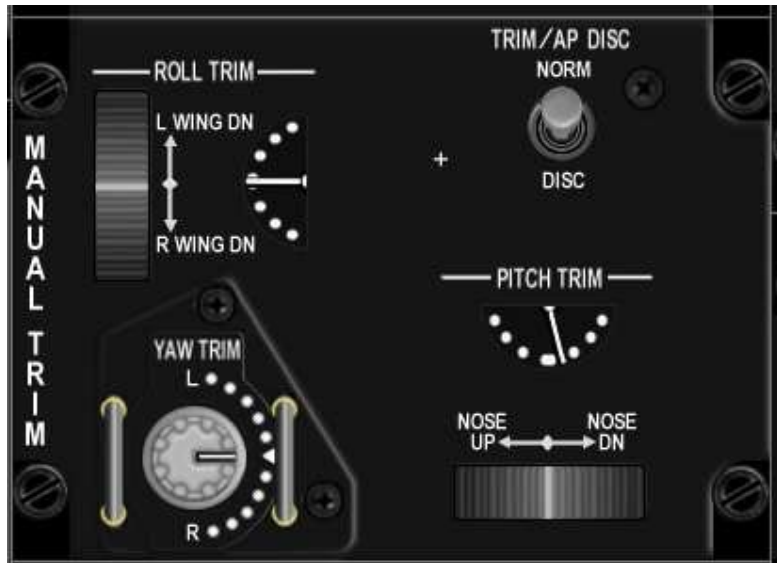


| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Call Back</u> | <u>Pole Totals</u> | <u>Switch type</u>  | <u>Positions</u> | <u>Postion names</u>                     | <u>Notes</u> | <u>Callback</u>                       |
|--------------------|--------------|------------------|--------------------|---------------------|------------------|--|--------------|---------------------------------------|
|                    |              |                  | <u>2</u>           |                     |                  |  |              |                                       |
| DIGITAL            | 2            | 0                | 0                  | locking toggle      | [off]-[on]       | off-backup                               |              |                                       |
| ALT FALPS          | 2            | 0                | 1                  | locking toggle      | [off]-[on]       | norm-extend                              |              | SimAltFlapsNorm,<br>SimAltFlapsExtend |
| MANUAL TF<br>FLYUP | 2            | 0                | 0                  | locking toggle      | [off]-[on]       | disable-enable                           |              |                                       |
| LE FLAPS           | 2            | 0                | 1                  | locking toggle      | [off]-[on]       | auto-lock                                |              | SimLEFAuto?, SimLEFLock               |
| FLCS               | 2            | 0                | 0                  | momentary<br>toggle | (on)-off         | reset-off                                |              |                                       |
| BIT / OFF          | 2            | 0                | 0                  | locking toggle      | [off]-[on]       | OFF, BIT                                 |              |                                       |
| RUN FAIL           | 0            | 0                | 0                  | indicator light     | none             | n/a, RUN FAIL legend lights when pressed |              |                                       |

|    |           |
|----|-----------|
|    | J4        |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | L FLT     |
| 7  | FLP EXT   |
| 8  | LEF LCK   |
| 9  | 9 OPEN    |
| 10 | 10 OPEN   |

## Manual Trim



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Call Back</u> | <u>Pole Totals</u> | <u>Switch type</u>         | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u>                  | <u>Callback</u>                                      |
|--------------------|--------------|------------------|--------------------|----------------------------|------------------|----------------------|-------------------------------|--|
|                    |              |                  | <b>1</b>           |                            |                  |                      |                               |  |
| Pitch Trim         | 1            | 0                | 0                  | encoder with center detent | thumbwheel       |                      | light stripe showing position | BMS analog axis or SimTrimNoseUp, SimTrimNoseDown    |
| Roll Trim          | 1            | 0                | 0                  | encoder with center detent | thumbwheel       |                      | light stripe showing position | BMS analog axis or SimTrimRollLeft, SimTrimRollRight |
| Yaw Trim           | 1            | 0                | 0                  | encoder with center detent | thumbwheel       |                      | light stripe showing position | BMS analog axis or SimTrimYawLeft, SimTrimYawRight   |
| Trim /AP DISC      | 2            | 1                | 1                  | locking toggle             | [off]-[on]       | norm, disc           |                               | SimTrimAPNORM, SimTrimAPDISC                         |

|    |           |
|----|-----------|
|    | J30       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | ROLL      |
| 7  | PITCH     |
| 8  | 8 OPEN,   |
| 9  | ANA_PWR   |
| 10 | ANA_GND   |
| 11 | APITCH    |
| 12 | AROLL     |
| 13 | AYAW      |



|    |         |
|----|---------|
| 14 | YLEFT   |
| 15 | YRGHT   |
| 16 | RLEFT   |
| 17 | RRIGHT  |
| 18 | NSEUP   |
| 19 | NSEDWN  |
| 20 | AP_DISC |

## Fuel



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Position names</u>       | <u>Notes</u>      | <u>Callback</u>   |
|--------------------|--------------|--------------------|------------------|-----------------------------|-------------------|---|
| MASTER             | 2            | guarded toggle     | off-on           | OFF, MASTER                 | Guarded in MASTER | SimMasterFuelOff, SimMasterFuelOn                               |
| TANK INERTING      | 2            | toggle             | off-on           | OFF-TANK INERTING<br>?????? |                   |   |
| ENG FEED           | 4            | rotary knob        | on-on-on-on      | OFF, NORM, AFT, FWD         | (4x45 deg)        | SimFuelPumpOff, SimFuelPumpNorm, SimFuelPumpAft, SimFuelPumpFwd |
| AIR REFUEL         | 2            | toggle             | off-on           | CLOSE, OPEN                 |                   | SimFuelDoorOpen, SimFuelDoorClose?                              |

|    |           |
|----|-----------|
|    | J6        |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | FUEL_ON   |
| 7  | PMP_OFF   |
| 8  | PMP_NRM   |
| 9  | PMP_AFT   |
| 10 | PMP_FWD   |
| 11 | FUL_DOR   |
| 12 | 12 OPEN,  |
| 13 | 13 OPEN,  |
| 14 | 14 OPEN,  |
| 15 | 15 OPEN,  |
| 16 | 16 OPEN   |

## Aux Comm



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Position names</u>      | <u>Notes</u> | <u>Callback</u>                                    |
|--------------------|--------------|--------------------|------------------|----------------------------|--------------|--|
| MASTER             | 5            | Rotary knob        | on-on-on-on-on   | off, STBY, LOW, NORM, EMER | (5x36 deg)   | SimToggleAuxComMaster                              |
| M-4 CODE           | 3            | locking toggle     | [on]-[off]-[on]  | hold, a/b, zero            |              |  |
| CNI                | 2            | Rotary knob        | on-off           | BACK UP, UFC               | (2x36 deg)   | SimAuxComBackup, SimAuxComUFC                      |
| REPLY              | 3            | locking toggle     | [off]-[on]-[on]  | OUT, A, B                  |              |  |
| MONITOR            | 2            | toggle             | off-on           | OUT, AUDIO                 |              |  |
| TACAN              | 3            | toggle             | on-off-on        | A/A TR-REC-T/R             |              | SimTACANAATR, SimTACANTR                           |
| CHANNEL 100's      | 10           | encoder            | cw/ccw           | 0-9 inclusive              |              | SimCycleLeftAuxComDigit, SimDecLeftAuxComDigit     |
| CHANNEL 10's       | 10           | encoder            | cw/ccw           | 0-9 inclusive              |              | SimCycleCenterAuxComDigit, SimDecCenterAuxComDigit |
| CHANNEL 1's        | 10           | encoder            | cw/ccw           | 0-9 inclusive              |              | SimCycleRightAuxComDigit, SimDecRightAuxComDigit   |
| channel x/y        | 2            | encoder            | cw/ccw           | x, y                       |              | SimCycleBandAuxComDigit                            |

|   |           |
|---|-----------|
|   | J7        |
| 1 | BKLGT-V   |
| 2 | BKLGT+V   |
| 3 | +12V LEFT |
| 4 | +28V LEFT |
| 5 | GND LEFT  |
| 6 | COM_OFF   |
| 7 | COM_STB   |
| 8 | COM_LOW   |
| 9 | COM_NO    |

|    |          |
|----|----------|
| 10 | COM_BCK  |
| 11 | COM_UFC  |
| 12 | TCN_ATR  |
| 13 | TCN_NTR  |
| 14 | 14 OPEN, |
| 15 | 15 OPEN, |
| 16 | 16 OPEN  |

|    |           |
|----|-----------|
|    | J8        |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | R_GND     |
| 7  | INC_LFT   |
| 8  | DEC_LFT   |
| 9  | INC_CEN   |
| 10 | DEC_CEN   |
| 11 | INC_RGHT  |
| 12 | DEC_RGHT  |
| 13 | INC_BND   |
| 14 | DEC_BND   |
| 15 | 15 OPEN,  |
| 16 | 16 OPEN   |

## Ext Lighting



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u>   | <u>Postion names</u> | <u>Notes</u>                        |
|--------------------|--------------|--------------------|--------------------|----------------------|-------------------------------------|
| Form               | 0            | potentiometer      | increase clockwise |                      |                                     |
| Master             | 2            | toggle             | [off]-[on]         | off, norm            | SimExtlMasterOff, SimExtlMasterNorm |
| Aerial Refueling   | 0            | potentiometer      | increase clockwise |                      |                                     |
| Anti Collision     | 2            | toggle             | off-on             | off, anti collision  | SimAntiCollOff, SimAntiCollOn       |
| Flash Steady       | 2            | toggle             | on-off             | flash, steady        | SimLightsFlash, SimLightsSteady     |
| Wing Trail         | 3            | toggle             | on-off-on          | dim, off, brt        | SimWingLightOff, SimWingLightBrt    |
| Fuselage           | 3            | toggle             | on-off-on          | dim, off, brt        |                                     |

|    |           |
|----|-----------|
|    | J9        |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | EXTM_ON   |
| 7  | ACOL_ON   |
| 8  | FLSH_ON   |
| 9  | WNG_DM    |
| 10 | WNG_BRT   |
| 11 | P_MSTR    |
| 12 | P_DIM     |
| 13 | P_CMN     |
| 14 | 14 OPEN,  |
| 15 | 15 OPEN,  |
| 16 | 16 OPEN   |



## EPU



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u>           | <u>Callback</u>               | <u>Lightbits1</u> | <u>Lightbits2</u>             |
|--------------------|--------------|--------------------|------------------|----------------------|------------------------|-------------------------------|-------------------|-------------------------------|
| EPU                | 3            | guarded toggle     | off-on-on        | OFF-NORMAL-ON        | Center guard on NORMAL | SimEpuOff,SimEpuAuto,SimEpuOn |                   |                               |
| RUN light          | 0            | indicator light    | none             | green light          |                        |                               |                   | EPUOn = \$100000              |
| HYDRAZN-AIR        | 0            | indicator light    | none             | HYDRAZN-AIR          |                        |                               |                   | Hydrazine = \$100,Air = \$200 |

|    |           |
|----|-----------|
|    | J10       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | EPU_ON    |
| 7  | HYDRA     |
| 8  | AIR       |
| 9  | EPU_OF    |
| 10 | EPU_ON    |

## Elect



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u>                                   | <u>Lightbits1</u> | <u>Lightbits2</u>            |
|--------------------|--------------|--------------------|------------------|----------------------|--------------|---|-------------------|------------------------------|
| MAIN PWR           | 3            | Locking toggle     | [off]-[on]-[on]  | OFF, BAT, MAIN PWR   |              | SimMainPowerOff,SimMainPowerBatt,SimMainPowerMain |                   |                              |
| CAUTION RESET      | 2            | push               | off-(on)         |                      |              | SimWarnReset?                                     |                   |                              |
| FLCS PMG-MAIN GEN  | 0            | indicator light    | none             | FLCS PMG-MAIN GEN    |              |   |                   | FlcsPmg = \$1,MainGen = \$2  |
| STBY GEN           | 0            | indicator light    | none             | STBY GEN             |              |   |                   | StbyGen = \$4                |
| EPU GEN-EPU / PMG  | 0            | indicator light    | none             | EPU GEN-EPU / PMG    |              |   |                   | EpuGen = \$8,EpuPmg = \$10   |
| FAIL               | 0            | indicator light    | none             | FAIL                 |              |   |                   | BatFail = \$80               |
| TO FLCS-FLCS RLY   | 0            | indicator light    | none             | TO FLCS-FLCS RLY     |              |   |                   | ToFlcs = \$20,FlcsRly = \$40 |

|    |           |
|----|-----------|
|    | J17       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | FLCSPMG   |
| 7  | MAINGEN   |
| 8  | STBYGEN   |
| 9  | EPUGEN    |
| 10 | EPUPMG    |
| 11 | BATFAIL   |
| 12 | TOFLCS    |
| 13 | FLCSRLY   |
| 14 | PWR_OFF   |
| 15 | PWRMAIN   |
| 16 | WRN_RST   |

AVTR



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> |
|--------------------|--------------|--------------------|------------------|----------------------|
| AVTR               | 3            | toggle             | on-off-on        | on, auto, off        |

| <u>Notes</u>   | <u>Callback</u> | <u>Lightbits1</u> | <u>Lightbits2</u> | <u>Lightbits3</u> | <u>HSIbits</u> |
|--|-----------------|-------------------|-------------------|-------------------|----------------|
| SimAVTRSwitchOff, SimAVTRSwitchAuto, SimAVTRSwitchOn<br>(4x45 deg) |                 |                   |                   |                   | AVTR = \$2000  |

|   |           |
|---|-----------|
|   | J16       |
| 1 | BKLGT-V   |
| 2 | BKLGT+V   |
| 3 | +12V LEFT |
| 4 | +28V LEFT |
| 5 | GND LEFT  |
| 6 | AVTR      |
| 7 | AVT_OFF   |

|    |         |
|----|---------|
| 8  | AVT_ON  |
| 9  | 9 OPEN  |
| 10 | 10 OPEN |

## ECM



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>        |
|--------------------|--------------|--------------------|------------------|-----------------------------|
| OPR                | 3            | toggle             | off-on-on        | OFF-STBY-OPR                |
| DIM                | 3            | rotary             | on-on-on         | 1, 2, 3                     |
| XMIT               | 2            | locking toggle     | [on]-[off]       | xmit, blank                 |
| RESET              | 2            | toggle             | (on)-off         | reset, blank                |
| BIT                | 2            | toggle             | (on)-off         | bit, blank                  |
| 1                  | 0            | indicator light    | none             | S, A, F, T light in corners |
| 2                  | 0            | indicator light    | none             | S, A, F, T light in corners |
| 3                  | 0            | indicator light    | none             | S, A, F, T light in corners |
| 4                  | 0            | indicator light    | none             | S, A, F, T light in corners |
| 5                  | 0            | indicator light    | none             | S, A, F, T light in corners |
| ALT                | 0            | indicator light    | none             | S, A, F, T light in corners |
| FRM                | 0            | indicator light    | none             | S, A, F, T light in corners |
| SPL                | 0            | indicator light    | none             | S, A, F, T light in corners |



Jet Start



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>  | <u>Notes</u>                            | <u>Lightbits2</u> |
|--------------------|--------------|--------------------|------------------|-----------------------|---|-------------------|
| JET FUEL           | 3            | locking toggle     | [on]-[off]-[on]  | START2-OFF-START1     | solenoid pulls to center after start ?? |                   |
| ENG CONT           | 2            | guarded toggle     | off-on           | SEC-PRI               | guarded up to PRI                       |                   |
| AB RESET           | 3            | toggle             | (on)-off-(on)    | ENG DATA-NORM-AB DATA |   |                   |
| MAX POWER          | 2            | locking toggle     | [off]-(on)       | OFF-MAX POWER         |   |                   |
| RUN                | 0            | indicator light    | none             | green light           |   | JFSOn = \$200000  |

|    |             |
|----|-------------|
|    | J13         |
| 1  | BKLGT-V     |
| 2  | BKLGT+V     |
| 3  | +12V LEFT   |
| 4  | +28V LEFT   |
| 5  | GND LEFT    |
| 6  | JFS_ON_LGHT |
| 7  | JFS_ON_SOL  |
| 8  | JFS_ST      |
| 9  | 9 OPEN,     |
| 10 | 10 OPEN     |

## Audio2



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u>    | <u>Positions</u>         | <u>Postion names</u> | <u>Notes</u>               |
|--------------------|--------------|-----------------------|--------------------------|----------------------|----------------------------|
| INTERCOM           | 0            | potentiometer         | increase clockwise       |                      |                            |
| TACAN              | 2            | potentiometer 10k log | [off]-increase clockwise |                      | rotary pot with off switch |
| ILS                | 2            | potentiometer 10k log | [off]-increase clockwise |                      | rotary pot with off switch |
| HOT MIC            | 3            | toggle                | on-off-on                | CIPHER, OFF, HOT MIC |                            |

## Audio



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u>       | <u>Position names</u> | <u>Notes</u>               | <u>Callback</u>   |
|--------------------|--------------|--------------------|------------------------|-----------------------|----------------------------|---|
| COMM 1 volume      | 2            | potentiometer      | off-increase clockwise |                       | rotary pot with off switch | BMS analog axis or SimStepComm1VolumeDown, SimStepComm1VolumeUp     |
| COMM 1 selector    | 3            | rotary knob        | on-on-on               | OFF-SQL-GD            | PUSH FOR TONE,(3x45 deg)   |   |
| COMM 2 volume      | 2            | potentiometer      | off-increase clockwise |                       | rotary pot with off switch | BMS analog axis or SimStepComm2VolumeDown, SimStepComm2VolumeUp     |
| COMM 2 selector    | 3            | rotary knob        | on-on-on               | OFF-SQL-GD            | PUSH FOR TONE,(3x45 deg)   |   |
| SECURE             | 0            | potentiometer      | increase clockwise     |                       |                            |   |
| VOICE              | 0            | potentiometer      | increase clockwise     |                       |                            |   |
| TF                 | 0            | potentiometer      | increase clockwise     |                       |                            |   |
| MSL                | 0            | potentiometer      | increase clockwise     |                       |                            | BMS analog axis or SimStepMissileVolumeDown, SimStepMissileVolumeUp |
| THREAT             | 0            | potentiometer      | increase clockwise     |                       |                            | BMS analog axis or SimStepThreatVolumeDown, SimStepThreatVolumeUp   |

|    |           |
|----|-----------|
|    | J31       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | ANA_PWR   |
| 7  | ANA_GND   |
| 8  | ACM1_V    |
| 9  | ACM2_V    |
| 0  | AMSL_V    |
| 1  | ATHRT_V   |
| 2  | CM1_UP    |
| 3  | CM1_DWN   |
| 4  | CM2_UP    |
| 5  | CM2_DWN   |
| 6  | MSL_UP    |
| 7  | MSL_DWN   |
| 8  | THRT_UP   |
| 9  | THRT_DWN  |
| 20 | R_GND     |

## UHF



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u>      | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u>                          |
|--------------------|--------------|--------------------|-----------------------|----------------------|--------------|--|
| UHF                | 4            | rotary             | on-on-on-on           | OFF-MAIN-BOTH-ADF    |              |  |
| TONE               | 2            | push               | off-(on)              | tone                 |              |  |
| VOL                | 0            | potentiometer      | clockwise to increase |                      |              |  |
| SQUELCH            | 2            | toggle             | off-on                | OFF-ON               |              |  |
| MANUAL             | 3            | rotary             | on-on-on              | MANUAL-PRESET-GUARD  |              |  |
| Freq 100's         | 4            | encoder            | cw-ccw                | A, 3, 2, T           |              |  |
| Freq 10's          | 10           | encoder            | cw-ccw                | 0-9 inclusive        |              |  |
| Freq 1's           | 10           | encoder            | cw-ccw                | 0-9 inclusive        |              |  |
| Freq 1/10's        | 10           | encoder            | cw-ccw                | 0-9 inclusive        |              |  |
| Freq 1/1000's      | 4            | encoder            | cw-ccw                | 00, 25, 50, 75       |              |  |
| CHAN               | 20           | encoder            | cw-ccw                | 1-19 inclusive       |              | SimCycleRadioChannel, SimDecRadioChannel |
| EMB                | 2            | push               | off-(on)              | ??                   |              |  |



## Manual Pitch



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Position names</u> | <u>Notes</u>                                       | <u>Callback</u> |
|--------------------|--------------|--------------------|------------------|-----------------------|--|-----------------|
| MANUAL PITCH       | 2            | toggle             | off-on           | OVRD-NORM             | Horizontal wire guard loops above and below toggle | SimMPO          |

|    |                 |
|----|-----------------|
|    | J3              |
| 1  | BKLGT-V         |
| 2  | BKLGT+V         |
| 3  | +12V LEFT       |
| 4  | +28V LEFT,      |
| 5  | GND LEFT        |
| 6  | MPTCHO NET49_1, |
| 7  | 7 OPEN,         |
| 8  | 8 OPEN,         |
| 9  | 9 OPEN,         |
| 10 | 10 OPEN         |

## Threat Warn Aux



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u>  | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u>       | <u>Callback</u>          | <u>Lightbits1</u> | <u>Lightbits2</u> |
|--------------------|--------------|---------------------|------------------|----------------------|--------------------|--------------------------|-------------------|-------------------|
| Search             | 2            | on/off lighted push | off-on           | search               |                    | SimRWRSetSearch          |                   | AuxSrch = \$1000  |
| activity power     | 2            | on/off lighted push | off-on           | activity power       |                    |                          |                   | AuxAct = \$2000   |
| Low priority       | 2            | on/off lighted push | off-on           | low                  |                    | SimRWRSetGroundPriority? |                   | AuxLow = \$4000   |
| system power       | 2            | on/off lighted push | off-on           | power                |                    | SimRwrPower              |                   | AuxPwr = \$8000   |
| fuse               | 0            | fuse holder         | none             | n/a                  |                    |                          |                   |                   |
| Dimmer             | 0            | potentiometer       | rotary           | n/a                  | no EPIC connection |                          |                   |                   |

|    |           |
|----|-----------|
|    | J22       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | AXSCH     |
| 7  | AXACT     |
| 8  | AXLOW     |
| 9  | AXPWR     |
| 10 | R_SRCH    |
| 11 | R_GND     |
| 12 | R_PWR     |
| 13 | 13 OPEN,  |
| 14 | 14 OPEN,  |
| 15 | 15 OPEN,  |
| 16 | 16 OPEN   |

## CMDS



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u>    | <u>Positions</u>  | <u>Position names</u>                | <u>Notes</u> | <u>Callback</u>   |
|--------------------|--------------|-----------------------|-------------------|--------------------------------------|--------------|---|
| RWR                | 2            | toggle                | off-on            | off, on                              |              | SimEWSRWROn, SimEWSRWROff   |
| JMR                | 2            | toggle                | off-on            | off, on                              |              | SimEWSJammerOn, SimEWSJammerOff   |
| MWS                | 2            | toggle                | off-on            | off, on                              |              |   |
| 01                 | 2            | toggle                | off-on            | off, on                              |              |   |
| 02                 | 2            | toggle                | off-on            | off, on                              |              |   |
| CH                 | 2            | toggle                | off-on            | off, on                              |              | SimEWSChaffOff, SimEWSChaffOn   |
| FL                 | 2            | toggle                | off-on            | off, on                              |              | SimEWSFlareOff, SimEWSFlareOn   |
| JETT               | 2            | locking toggle        | off-on            | off, JETT                            |              |   |
| PRGM               | 5            | rotary                | on-on-on-on-on    | bit, 1, 2, 3, 4, 5                   | (5x36 deg)   | SimEWSProgOne, SimEWSProgTwo, SimEWSProgThree, SimEWSProgFour                 |
| MODE               | 6            | rotary                | on-on-on-on-on-on | off, stby, man, semi, auto, byp      | (6x30 deg)   | SimEWSModeOff, SimEWSModeStby, SimEWSModeMan, SimEWSModeSemi, SimEWSModeAuto, |
| STATUS NO GO       | 0            | green indicator light | n/a               | NO GO (green lit legend)             |              |   |
| STATUS GO          | 0            | green indicator light | n/a               | GO (green lit legend)                |              |   |
| STATUS READY       | 0            | green indicator light | n/a               | READY TO DISPENSE (green lit legend) |              |   |

|   |            |
|---|------------|
|   | J21        |
| 1 | BKLGT-V    |
| 2 | BKLGT+V    |
| 3 | +12V LEFT  |
| 4 | +28V LEFT  |
| 5 | GND LEFT   |
| 6 | GO NET5_2, |
| 7 | NO_GO      |

|    |          |
|----|----------|
| 8  | RDY_DISP |
| 9  | CHAFF_LO |
| 10 | FLARE_LO |

|    |           |
|----|-----------|
|    | J23       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | RWR_ON    |
| 7  | JMR_ON    |
| 8  | CHF_ON    |
| 9  | FLR_ON    |
| 10 | PRG_BIT   |
| 11 | PRG_1     |
| 12 | PRG_2     |
| 13 | PRG_3     |
| 14 | PRG_4     |
| 15 | MDEOFF    |
| 16 | MDESTBY   |
| 17 | MDEMAN    |
| 18 | MDESEMI   |
| 19 | MDEAUTO   |
| 20 | MDEBYP    |

## Gear Panel



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |



| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u>      | <u>Positions</u> | <u>Position names</u> | <u>Notes</u>                               | <u>Callback</u>                        | <u>Lightbits1</u> | <u>Lightbits2</u>       | <u>Lightbits3</u>   |
|--------------------|--------------|-------------------------|------------------|-----------------------|--|--|-------------------|-------------------------|---|
| Emergency jettison | 2            | guarded push            | off-(on)         | n/a                   | breakable cover over                       | SimEmergencyJettison                   |                   |                         |   |
| wheel lights       | 0            | 3 x green lights        | none             | n/a                   |  |  |                   |                         | NoseGearDown = \$10000,LeftGearDown = \$20000,RightGearDown = \$40000 |
| Hook               | 2            | lever locking toggle    | [off]-[on]       | dn, up                |  | SimHookUp,SimHookDown                  |                   |                         |   |
| Ground jettison    | 2            | locking toggle          | [off]-[on]       | off, enable           |  | SimGndJettOn, SimGndJettOff            |                   |                         |   |
| Brakes             | 2            | toggle                  | off-on           | chan 2, chan 1        |  |  |                   |                         |   |
| Parking brake      | 3            | locking toggle          | [off]-[on]-[on]  | off, anti skid, brake |  | SimParkingBrakeOff, ,SimParkingBrakeOn |                   |                         |   |
| Stores             | 2            | toggle                  | off-on           | cat III, cat I        |  | SimCATIII,SimCATI                      |                   |                         |   |
| Horn silencer      | 2            | push                    | off-(on)         | n/a                   |  | SimSilenceHorn                         |                   |                         |   |
| Landing lights     | 3            | locking t handle toggle | [on]-[off]-[on]  | taxi, off, landing    |  | SimLandingLightOn, SimLandingLightOff  |                   |                         |   |
| Down lock release  | 2            | push                    | off-(on)         | n/a                   |  |  |                   |                         |   |
| Gear down enable   | 2            | push                    | off-(on)         | n/a                   | mounted on the arm of the gear handle      |  |                   |                         |   |
| Gear handle        | 2            | lollipop lever          | off-on           | (down and up)         |  | AFGeapUp, AFGearDown                   |                   |                         |   |
| Gear warning light | 0            | yellow light            | none             | n/a                   | mounted in lollipop end of the gear handle |  |                   | GEARHANDLE = \$40000000 |   |

|    |           |
|----|-----------|
|    | J29       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | N_GEAR    |
| 7  | L_GEAR    |
| 8  | R_GEAR    |
| 9  | G_HNDLE   |
| 10 | PK_SOLND  |
| 11 | HOOK      |
| 12 | GNDJETT   |
| 13 | PARKBRK   |
| 14 | EMG_JET   |
| 15 | CAT_III   |
| 16 | L_TAXI    |
| 17 | L_LAND    |
| 18 | L_GEAR    |
| 19 | HRN_SIL   |
| 20 | 20 OPEN   |

## MISC



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u>   | <u>Poles</u> | <u>Switch type</u>   | <u>Positions</u> | <u>Position names</u>       | <u>Notes</u> | <u>Callback</u>  | <u>Lightb<br/>its1</u> | <u>Lightb<br/>its2</u>      |
|----------------------|--------------|----------------------|------------------|-----------------------------|--------------|--|------------------------|-----------------------------|
| RF quiet             | 2            | locking toggle       | [off]-[on]       | silent, rf norm             |              | SimRFNorm, SimRFQuiet,<br>SimRFSilent                    |                        |                             |
| ECM light            | 0            | green light          | none             | n/a                         |              |  |                        | EcmPwr<br>=<br>\$10000<br>? |
| Laser arm            | 2            | locking toggle       | [off]-[on]       | off, arm                    |              | SimLaserArmOn, SimLaserArmOff                            |                        |                             |
| Alternate<br>release | 2            | push                 | off-(on)         | n/a                         |              | SimPickle  |                        |                             |
| Master arm           | 3            | locking toggle       | [on]-[off]-[on]  | simulate, off, arm          |              | SimSimMasterArm,<br>SimSafeMasterArm,<br>SimArmMasterArm |                        |                             |
| ADV mode             | 0            | indicator light tile | none             | active/standby              |              |  |                        |                             |
| Autopilot pitch      | 3            | locking toggle       | [on]-[off]-[on]  | att hold, a-p off, alt hold |              | SimRightAPDown, SimRightAPMid,<br>SimRightAPUp           |                        |                             |
| Autopilot roll       | 3            | toggle               | on-off-on        | strg sel, att hold, hdg sel |              | SimLeftAPDown, SimLeftAPMid,<br>SimLeftAPUp              |                        |                             |

|    |             |
|----|-------------|
|    | J17         |
| 1  | BKLGT-V     |
| 2  | BKLGT+V     |
| 3  | +12V        |
| 4  | +28V        |
| 5  | GND ,       |
| 6  | ECM_PWR     |
| 7  | AP_ON       |
| 8  | TFR_STDBY   |
| 9  | ECM_PWR     |
| 0  | TFR_ENGAGED |
| 1  | RF_NRM      |
| 2  | RF_SILNT    |
| 3  | LSR_ON      |
| 4  | S_PICKLE    |
| 5  | MST_ARM     |
| 6  | MST_SIM     |
| 7  | RAP_DWN     |
| 8  | RAP_UP      |
| 9  | LAP_DWN     |
| 10 | LAP_UP      |

## Threat Warn Prim



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u>   | <u>Positions</u> | <u>Notes</u>  | <u>Callback</u>                      | <u>Lightbits1</u> | <u>Lightbits2</u>      |
|--------------------|--------------|----------------------|------------------|---|--------------------------------------|-------------------|------------------------|
| Handoff            | 2            | push                 | off-(on)         | Green illumination on push to select handoff mode         | SimRWRHandoff                        |                   | HandOff = \$1          |
| Priority           | 2            | push                 | off-(on)         | Green illumination on push to select priority threat mode | SimRWRSetPriority                    |                   | PriMode = \$4          |
| Target separate    | 2            | push                 | off-(on)         | Green illumination on push to separate target symbols     | SimRWRSetTargetSep                   |                   | TgtSep = \$20          |
| Missile Launch     | 0            | indicator light tile | none             | Red light   |                                      |                   | Launch = \$2           |
| system test        | 2            | push                 | off-(on)         | Green light on push                                       |                                      |                   |                        |
| Unknown/naval      | 2            | push                 | off-(on)         | Green light on push                                       | SimRWRSetNaval,<br>SimRWRSetUnknowns |                   | Naval = \$8,Unk = \$10 |

|    |          |
|----|----------|
|    | 19       |
| 1  | BKLGT-V  |
| 2  | BKLGT+V  |
| 3  | +12V     |
| 4  | +28V     |
| 5  | GND ,    |
| 6  | HANDOFF  |
| 7  | PRIMODE  |
| 8  | TGTSEP   |
| 9  | LAUNCH   |
| 10 | NAVAL    |
| 11 | UNKNOWN  |
| 12 | RHANDOFF |
| 13 | RSETPRI  |
| 14 | RSETTGT  |
| 15 | RSETNVL  |
| 16 | RSETUN   |

## Eyebrow Lights L



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |



| <u>Switch Name</u> | <u>Poles</u> | <u>Switch type</u>  | <u>Positions</u> | <u>Position names</u>           | <u>Notes</u>                   | <u>Callback</u>         | <u>Lightbits1</u>   |
|--------------------|--------------|---------------------|------------------|---------------------------------|--------------------------------|-------------------------|---------------------|
| <b>Left</b>        |              |                     |                  |                                 |                                |                         |                     |
| IFF                | 2            | push                | off-(on)         | IFF IDENT                       |                                |                         |                     |
| Blank 1            | 2            | push                | off-(on)         | (directly above IFF button)     |                                |                         |                     |
| Blank 2            | 2            | push                | off-(on)         | (directly below TF-FAIL button) |                                |                         |                     |
| TF fail            | 0            | red indicator light | none             | TF-FAIL                         | Red illumination, normally off |                         | TF = \$2            |
| F-ACK              | 2            | push                | off-(on)         | F-ACK                           |                                | SimICPFack              |                     |
| Master Caution     | 2            | push                | off-(on)         | Master Caution push to reset    |                                | ExtinguishMasterCaution | MasterCaution = \$1 |

|    |         |
|----|---------|
|    | J16     |
| 1  | BKLGT-V |
| 2  | BKLGT+V |
| 3  | +12V    |
| 4  | +28V    |
| 5  | GND ,   |
| 6  | TFF     |
| 7  | M CAUT  |
| 8  | F ACK   |
| 9  | EXT CTN |
| 10 | 10 OPEN |

## Eyebrow Lights R



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u>      | <u>Poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u>                   | <u>Callback</u> | <u>Lightbits1</u>                   |
|-------------------------|--------------|--------------------|------------------|----------------------|--------------------------------|-----------------|-------------------------------------|
| <b><u>Right</u></b>     |              |                    |                  |                      |                                |                 |                                     |
| Engine fire             | 2            | push               | off-(on)         | ENGFIRE<br>ENGINE    | Red illumination, normally off |                 | ENG_FIRE = \$20,<br>ENGINE=80000000 |
| Fluid pressure warning  | 2            | push               | off-(on)         | HYD/OIL PRESS        | Red illumination, normally off |                 | HYD = \$80,<br>OIL = \$100          |
| Flight controls warning | 2            | push               | off-(on)         | FLCS DBU ON          | Red illumination, normally off |                 |                                     |
| Landing configuration   | 2            | push               | off-(on)         | TO/LDG CONFIG        | Red illumination, normally off |                 | T_L_CFG = \$800                     |
| Canopy seal warning     | 2            | push               | off-(on)         | CANOPY               | Red illumination, normally off |                 | CAN = \$400                         |

|    |         |
|----|---------|
|    | J11     |
| 1  | BKLGT-V |
| 2  | BKLGT+V |
| 3  | +12V    |
| 4  | +28V    |
| 5  | GND ,   |
| 6  | E_FIRE  |
| 7  | ENGINE  |
| 8  | OIL     |
| 9  | TL_CFG  |
| 10 | CANOPY  |

## Indexer L



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

**Switch Name**   **Poles**   **Switch type**   **Positions**   **Postion names**   **Notes**   **Callback**   **Lightbits1**

### **Left Indexer**

AOAAbove = \$1000  
 AOAOOn = \$2000  
 AOABelow = \$4000

|    |         |
|----|---------|
|    | J8      |
| 1  | BKLGT-V |
| 2  | BKLGT+V |
| 3  | +12V    |
| 4  | +28V    |
| 5  | GND ,   |
| 6  | A_ABVE  |
| 7  | A_ON    |
| 8  | A_BLOW  |
| 9  | 9 OPEN, |
| 10 | 10 OPEN |

## Indexer R



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

**Switch Name**   **Poles**   **Switch type**   **Positions**   **Postion names**   **Notes**   **Callback**   **Lightbits1**

### **Right Indexer**

RefuelRDY = \$8000  
 RefuelAR = \$10000  
 RefuelDSC = \$20000

|    |                |
|----|----------------|
|    | J9             |
| 1  | BKLGT-V        |
| 2  | BKLGT+V        |
| 3  | +12V           |
| 4  | +28V           |
| 5  | GND ,          |
| 6  | R_RDY NET41_2, |
| 7  | R_AR NET40_2,  |
| 8  | R_DSC NET39_2, |
| 9  | 9 OPEN,        |
| 10 | 10 OPEN        |

## ICP



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u> |
|--------------------|-------------------|--------------------|------------------|----------------------|--------------|-----------------|
| COM1               | 2                 | push               | off-(on)         | n/a                  |              | SimICPCom1      |
| COM2               | 2                 | push               | off-(on)         | n/a                  |              | SimICPCom2      |
| IFF                | 2                 | push               | off-(on)         | n/a                  |              | SimICPIFF       |
| LIST               | 2                 | push               | off-(on)         | n/a                  |              | SimICPLIST      |
| A-A                | 2                 | push               | off-(on)         | n/a                  |              | SimICPAA        |



|                        |   |                                |                                |  |  |
|------------------------|---|--------------------------------|--------------------------------|--|--|
| A-G                    | 2 | push                           | off-(on)                       | n/a                                      | SimICPAG   |
| 1 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPTILS   |
| 2 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPALOW   |
| 3 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPTHREE  |
| Recall key             | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPCLEAR  |
| 4 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPStpt   |
| 5 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPCrus   |
| 6 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPSIX  |
| enter key              | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPEnter  |
| 7 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPMark   |
| 8 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPEIGHT  |
| 9 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPNINE   |
| 0 key                  | 2 | push tile                      | off-(on)                       | n/a                                      | SimICPZERO   |
| WX                     | 2 | push                           | off-(on)                       | n/a                                      |  |
| ICP inc/dec            | 3 | rocker                         | (on)-off-(on)                  | down arrow, up arrow                     | SimICPNext, SimICPPrevious                                     |
| display control switch | 4 | 4-way momentary bat            | (on)-(on)-(on)-(on)-center off | down, rtn, up, seq ?<br>(cw from bottom) | SimICPDEDDOWN, SimICPResetDED                                  |
| Drift cutoff           | 3 | toggle (momentary 1 side only) | (on)-off-on                    | warn reset, norm, drift c/o              | ,SimICPDEDUP, SimICPDEDSEQ<br>SimDriftCOOff, SimDriftCOOn      |
| FLIR up/down           | 3 | rocker                         | (on)-off-(on)                  | down arrow, up arrow                     |  |
| FLIR gain              | 3 | toggle                         | on-off-on                      | auto, lvl, gain                          |  |
| SYM                    | 2 | 10k linear pot                 | off-increase clockwise         | off                                      | BMS analog axis or SimSymWheelID<br><SimSymWheelUp             |
| BRT                    | 0 | 10k linear pot                 | off-increase clockwise         |  | BMS analog axis or SimHUDBrightnessDown,<br>SimHUDBrightnessUp |
| RET DEPR               | 0 | 10k linear pot                 | increase clockwise             |  | SimHUDOn, SimHUDOff  |
| CONT                   | 0 | 10k linear pot                 | increase clockwise             |  | BMS analog axis or SimRetDn,SimRetUp                           |

# INSTR



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>       | <u>Notes</u>       | <u>Callback</u>                                |
|--------------------|-------------------|--------------------|------------------|----------------------------|--------------------|--|
| mode               | 4                 | rotary             | on-on-on-on      | ils/tcn, tcn, nav, ils/nav | (4x30 deg)         | SimHSIIsTcn, SimHSITcn, SimHSINav, SimHSIIsNav |
| heading            | 0                 | potentiometer      | rotary           | n/a                        | no EPIC connection |  |

|   |         |
|---|---------|
|   | J4      |
| 1 | BKLGT-V |
| 2 | BKLGT+V |
| 3 | +12V    |

|    |          |
|----|----------|
|    | J4       |
| 4  | +28V     |
| 5  | GND ,    |
| 6  | I_TCN    |
| 7  | TCN      |
| 8  | NAV      |
| 9  | I_NAV    |
| 10 | 10 OPEN, |
| 11 | R_GND    |
| 12 | R_CRSE_A |
| 13 | R_CRSE_B |
| 14 | R_HEAD_A |
| 15 | R_HEAD_B |
| 16 | 16 OPEN  |

# HIS



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u>                    |
|--------------------|-------------------|--------------------|------------------|----------------------|--------------|------------------------------------|
| course             | 360               | encoder            | rotary           | n/a                  |              | SimHsiCourseDec, SimHsiCourseInc   |
| heading            | 360               | encoder            | rotary           | n/a                  |              | SimHsiHeadingDec, SimHsiHeadingInc |

## Fuel Qty Select



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u>  | <u>Position names</u>                         | <u>Notes</u> | <u>Callback</u>   |
|--------------------|-------------------|--------------------|-------------------|---|--------------|---|
| source             | 6                 | rotary             | on-on-on-on-on-on | ext ctr, ext wing, int wing, rsvr, norm, test | (6x45 deg)   | SimFuelSwitchCenterExt, SimFuelSwitchWingExt, SimFuelSwitchWingInt, SimFuelSwitchResv, SimFuelSwitchNorm, SimFuelSwitchTest |
| Fuel transfer      | 2                 | locking toggle     | [off]-[on]        | wing first, norm                              |              | SimFuelTransWing, SimFuelTransNorm  |

|    |           |
|----|-----------|
|    | J12       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V      |
| 4  | +28V      |
| 5  | GND ,     |
| 6  | MARKER    |
| 7  | EXT_WNG   |
| 8  | INT_WNG   |
| 9  | RVSR      |
| 10 | NORM      |
| 11 | TEST      |
| 12 | TRNSFR    |
| 13 | EXT_CTR   |
| 14 | INST_FLG1 |
| 15 | INST_FLG2 |
| 16 | INST_FLG3 |

## Caution Panel



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

### Lightbits1

CONFIG = \$40  
DUAL = \$200;  
FltControlSys = \$40000  
LEFlaps = \$80000  
EngineFault = \$100000  
Overheat = \$200000  
FuelLow = \$400000  
Avionics = \$800000  
RadarAlt = \$1000000  
IFF = \$2000000  
ECM = \$4000000  
Hook = \$8000000  
NWSFail = \$10000000  
CabinPress = \$20000000

### Lightbits2

FwdFuelLow = \$40000  
AftFuelLow = \$80000  
SEC = \$400000  
OXY\_LOW = \$800000  
PROBEHEAT = \$1000000  
SEAT\_ARM = \$2000000  
BUC = \$4000000  
FUEL\_OIL\_HOT = \$8000000  
ANTI\_SKID = \$10000000

### Lightbits3

Elec\_Fault = \$400



## Sensor Power



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u>                       |
|--------------------|-------------------|--------------------|------------------|----------------------|------------------------------------|
| Left hardpoint     | 2                 | toggle             | off-on           | off, left hdpt       | SimLeftHptOff, SimLeftHptOn        |
| Right hardpoint    | 2                 | toggle             | off-on           | off, right hdpt      | SimRightHptOff, SimRightHptOn      |
| Fire control radar | 2                 | toggle             | off-on           | off, fcr             | SimFCROff, SimFCROn                |
| Radar altimeter    | 3                 | toggle             | off-on-on        | off, stby, rdr alt   | SimRALTOFF, SimRALTOFF, SimRALTOFF |

|    |         |
|----|---------|
|    | J23     |
| 1  | BKLGT-V |
| 2  | BKLGT+V |
| 3  | +12V    |
| 4  | +28V    |
| 5  | GND ,   |
| 6  | L_HPT   |
| 7  | R_HPT   |
| 8  | FCR     |
| 9  | RA_STD  |
| 10 | RA_ON   |

## HUD Control



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Position names</u> | <u>Notes</u> | <u>Callback</u>  |
|--------------------|-------------------|--------------------|------------------|-----------------------|--------------|--|
| Velocity scales    | 3                 | toggle             | off-on-on        | off, vah, vv/vah      |              | SimScalesOff, SimScalesVAH, SimScalesVVVAH                 |
| Attitude scales    | 3                 | toggle             | off-on-on        | off, fpm, att/fpm     |              | SimPitchLadderOff, SimPitchLadderFPM, SimPitchLadderATTfpm |
| Data Entry         | 3                 | toggle             | off-on-on        | off, pfl, ded data    |              | SimHUDEDEOff, SimHUDEDEDPFL, SimHUDEDEDED                  |
| DEPR reticle       | 3                 | toggle             | [off]-[on]-[on]  | off, pri, stby        |              | SimReticleOff, SimReticlePri, SimReticleStby               |
| Velocity           | 3                 | toggle             | off-on-on        | gnd spd, tas, cas     |              | SimHUDVelocityGND, SimHUDVelocityTAS, SimHUDVelocityCAS    |
| Altitude           | 3                 | toggle             | off-on-on        | auto, baro, alt radar |              | SimHUDAltAuto, SimHUDAltBaro, SimHUDAltRadar               |
| Brightness         | 3                 | toggle             | off-on-on        | night, auto, day      |              | SimHUDBrNight, SimHUDBrAuto, SimHUDBrDay                   |
| Test               | 3                 | toggle             | off-on-on        | off, on, test step    |              |  |

|    |         |
|----|---------|
| 1  | BKLGT-V |
| 2  | BKLGT+V |
| 3  | +12V    |
| 4  | +28V    |
| 5  | GND ,   |
| 6  | S_VA    |
| 7  | S_VV    |
| 8  | FPM     |
| 9  | AT_FPM  |
| 10 | PFL     |
| 11 | DED     |
| 12 | R_PRI   |
| 13 | R_STD   |
| 14 | A_BARO  |
| 15 | A_RDR   |
| 16 | NIGHT   |
| 17 | DAY     |
| 18 | CAS     |
| 19 | GNDSPD  |
| 20 | 20 OPEN |

**Nuclear consent**



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>   |
|--------------------|-------------------|--------------------|------------------|------------------------|
| plain arm          | 2                 | toggle             | off-on           | crad1, crad 2          |
|                    | 3                 | guarded toggle     | on-off-on        | rel only, off, arm rel |

## Lighting



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u>              | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u>      | <u>Postion names</u> |
|---------------------------------|-------------------|--------------------|-----------------------|----------------------|
| Consoles (primary)              | 0                 | potentiometer      | increase clockwise    |                      |
| instrument panel<br>(primary)   | 0                 | potentiometer      | increase<br>clockwise |                      |
| Data entry display<br>(primary) | 0                 | potentiometer      | increase<br>clockwise |                      |
| Consoles (flood)                | 2                 | off-potentiometer  | increase<br>clockwise |                      |
| instrument panel<br>(flood)     | 0                 | potentiometer      | increase<br>clockwise |                      |
| malfunction lights              | 2                 | toggle             | off-on                | dim, brt             |

|    |                          |
|----|--------------------------|
|    | J27                      |
| 1  | BKLGT-V                  |
| 2  | BKLGT+V                  |
| 3  | +12V                     |
| 4  | +28V                     |
| 5  | GND ,                    |
| 6  | POT_GND POT_GROUND_4,    |
| 7  | POT_+V POT_+V_4,         |
| 8  | POT_1 POT_1_4,           |
| 9  | POT_2 POT_2_4,           |
| 10 | POT_3 POT_3_4,           |
| 11 | POT_4 POT_4_4,           |
| 12 | DIM_BRIGHT DIM_BRIGHT_4, |
| 13 | 13 OPEN,                 |
| 14 | 14 OPEN,                 |
| 15 | 15 OPEN,                 |
| 16 | 16 OPEN                  |



# Master Zeroize



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>                | <u>Notes</u>                   | <u>Callback</u>     |
|--------------------|-------------------|--------------------|------------------|-------------------------------------|--------------------------------|---------------------|
| voice message      | 2                 | toggle             | off-on           | inhibit, voice message              |                                | SimVMSOFF, SimVMSON |
| zeroize            | 3                 | guarded toggle     | on-off-on        | data zeroize, blank, master zeroize | guarded in center off position |                     |

|    |                |
|----|----------------|
|    | J33            |
| 1  | BKLGT-V        |
| 2  | BKLGT+V        |
| 3  | +12V           |
| 4  | +28V           |
| 5  | GND ,          |
| 6  | V_INHB NET5_5, |
| 7  | 7 OPEN,        |
| 8  | 8 OPEN,        |
| 9  | 9 OPEN,        |
| 10 | 10 OPEN        |

## Air Cond



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u>      | <u>Position names</u> | <u>Notes</u>       | <u>Callback</u>  |
|--------------------|-------------------|--------------------|-----------------------|-----------------------|--------------------|--|
| air source         | 4                 | rotary             | on-on-on-on           | off, norm, dump, ram  | (4x45 deg)         | SimAirSourceOff, SimAirSourceNorm, SimAirSourceDump, SimAirSourceRam |
| temp               | 7                 | rotary             | on-on-on-off-on-on-on |                       | No EPIC connection |  |

|    |         |
|----|---------|
|    | J34     |
| 1  | BKLGT-V |
| 2  | BKLGT+V |
| 3  | +12V    |
| 4  | +28V    |
| 5  | GND ,   |
| 6  | OFF     |
| 7  | NORM    |
| 8  | DUMP    |
| 9  | RAM     |
| 10 | 10 OPEN |

## KY-58



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u>    | <u>Positions</u>            | <u>Postion names</u>         | <u>Notes</u>       |
|--------------------|-------------------|-----------------------|-----------------------------|------------------------------|--------------------|
| mode               | 4                 | rotary knob           | on-on-on-on                 | p, c, ld, rv                 | (4x45 deg)         |
| volume             | 0                 | 10k log potentiometer | clockwise to increase       |                              | no EPIC connection |
| number rotary      | 8                 | rotary knob           | {on}-on-on-on-on-on-on-{on} | 215, 1, 2, 3, 4, 5, 6, 7 all | (8x30 deg)         |
| on/off rotary      | 3                 | rotary knob           | on-on-on                    | off, on, TD                  | (3x30 deg)         |

## Avionics Power



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u>     | <u>Position names</u>                            | <u>Notes</u> | <u>Callback</u>                               |
|--------------------|-------------------|--------------------|----------------------|--|--------------|---|
| FCC                | 2                 | Locking toggle     | [off]-[on]           | off, FCC   |              | SimFCCOff, SimFCCOn                           |
| SMS                | 2                 | Locking toggle     | [off]-[on]           | off, SMS   |              | SimSMSOff, SimSMSOn                           |
| MFD                | 2                 | Locking toggle     | [off]-[on]           | off, MFD   |              | SimMFDOff, SimMFDon                           |
| UFC                | 2                 | Locking toggle     | [off]-[on]           | off, UFC   |              | SimUFCOff, SimUFCon                           |
| INS                | 7                 | Rotary knob        | on-on-on-on-on-on-on | off, stor hdg, norm, nav, cal, in flt align, att | (7x45deg)    | SimINSOff, SimINSNorm, SimINSNav, SimINSInFlt |
| GPS                | 2                 | Locking toggle     | [off]-[on]           | off, GPS   |              | SimGPSOff, SimGPSOn                           |
| DL                 | 2                 | Locking toggle     | [off]-[on]           | off, DL  |              | SimDLOff, SimDLOn                             |
| MAP                | 2                 | Locking toggle     | [off]-[on]           | off, MAP   |              | SimMAPOff, SimMAPOn                           |

|    |                      |
|----|----------------------|
|    | J24                  |
| 1  | BKLGT-V              |
| 2  | BKLGT+V              |
| 3  | +12V                 |
| 4  | +28V                 |
| 5  | GND ,                |
| 6  | FCC                  |
| 7  | SMS                  |
| 8  | MFD                  |
| 9  | UFC                  |
| 10 | I OFF                |
| 11 | I HDG                |
| 12 | I NRM                |
| 13 | I NAV                |
| 14 | I CAL                |
| 15 | I ATT                |
| 16 | GPS                  |
| 17 | TISL                 |
| 18 | MAP                  |
| 19 | P_GND PHY_MFD_PWR_4, |
| 20 | P_MFD_PWR PHY_GND_4  |



## Anti-Ice



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u> |
|--------------------|-------------------|--------------------|------------------|----------------------|--------------|-----------------|
| engine anti ice    | 3                 | locking toggle     | [off]-[on]-[on]  | off, auto, on        |              |                 |
| IFF antenna select | 3                 | toggle             | on-off-on        | lower, norm, upper   |              |                 |
| UHF antenna select | 3                 | toggle             | on-off-on        | lower, norm, upper   |              |                 |

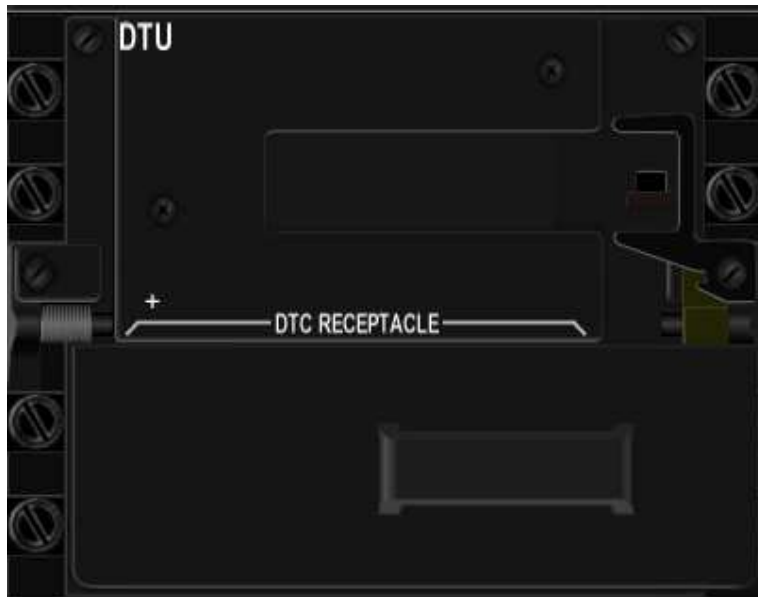
## Oxy Reg



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u>      | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>  |
|-------------------------|-------------------|--------------------|------------------|-----------------------|
| Flow control (red)      | 3                 | lever              | on-on-on         | Test mask, norm, Emer |
| Oxygen content (green)  | 2                 | lever              | on-on            | Norm, 100% O2         |
| Pressure control (grey) | 3                 | lever              | off-on-on        | off, on, PBG          |

## DTU



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

**Switch Name**   **# of poles**   **Switch type**   **Positions**

DTU                      2   toggle                      off-on

## Left MFD



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Notes</u> | <u>Callback</u>      |
|--------------------|-------------------|--------------------|------------------|--------------|----------------------|
| OSB1               | 2                 | push               | off-(on)         |              | SimCBEOSB_1L         |
| OSB2               | 2                 | push               | off-(on)         |              | SimCBEOSB_2L         |
| OSB3               | 2                 | push               | off-(on)         |              | SimCBEOSB_3L         |
| OSB4               | 2                 | push               | off-(on)         |              | SimCBEOSB_4L         |
| OSB5               | 2                 | push               | off-(on)         |              | SimCBEOSB_5L         |
| OSB6               | 2                 | push               | off-(on)         |              | SimCBEOSB_6L         |
| OSB7               | 2                 | push               | off-(on)         |              | SimCBEOSB_7L         |
| OSB8               | 2                 | push               | off-(on)         |              | SimCBEOSB_8L         |
| OSB9               | 2                 | push               | off-(on)         |              | SimCBEOSB_9L         |
| OSB10              | 2                 | push               | off-(on)         |              | SimCBEOSB_10L        |
| OSB11              | 2                 | push               | off-(on)         |              | SimCBEOSB_11L        |
| OSB12              | 2                 | push               | off-(on)         |              | SimCBEOSB_12L        |
| OSB13              | 2                 | push               | off-(on)         |              | SimCBEOSB_13L        |
| OSB14              | 2                 | push               | off-(on)         |              | SimCBEOSB_14L        |
| OSB15              | 2                 | push               | off-(on)         |              | SimCBEOSB_15L        |
| OSB16              | 2                 | push               | off-(on)         |              | SimCBEOSB_16L        |
| OSB17              | 2                 | push               | off-(on)         |              | SimCBEOSB_17L        |
| OSB18              | 2                 | push               | off-(on)         |              | SimCBEOSB_18L        |
| OSB19              | 2                 | push               | off-(on)         |              | SimCBEOSB_19L        |
| OSB20              | 2                 | push               | off-(on)         |              | SimCBEOSB_20L        |
|                    |                   |                    |                  |              | SimCBEOSB_GAINUP_L   |
|                    |                   |                    |                  |              | SimCBEOSB_GAINDOWN_L |
| 30                 |                   |                    |                  |              |                      |

## Right MFD



| Build Status         |  |
|----------------------|--|
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Notes</u> | <u>Callback</u>      |
|--------------------|-------------------|--------------------|------------------|--------------|----------------------|
| OSB1               | 2                 | push               | off-(on)         |              | SimCBEOSB_1R         |
| OSB2               | 2                 | push               | off-(on)         |              | SimCBEOSB_2R         |
| OSB3               | 2                 | push               | off-(on)         |              | SimCBEOSB_3R         |
| OSB4               | 2                 | push               | off-(on)         |              | SimCBEOSB_4R         |
| OSB5               | 2                 | push               | off-(on)         |              | SimCBEOSB_5R         |
| OSB6               | 2                 | push               | off-(on)         |              | SimCBEOSB_6R         |
| OSB7               | 2                 | push               | off-(on)         |              | SimCBEOSB_7R         |
| OSB8               | 2                 | push               | off-(on)         |              | SimCBEOSB_8R         |
| OSB9               | 2                 | push               | off-(on)         |              | SimCBEOSB_9R         |
| OSB10              | 2                 | push               | off-(on)         |              | SimCBEOSB_10R        |
| OSB11              | 2                 | push               | off-(on)         |              | SimCBEOSB_11R        |
| OSB12              | 2                 | push               | off-(on)         |              | SimCBEOSB_12R        |
| OSB13              | 2                 | push               | off-(on)         |              | SimCBEOSB_13R        |
| OSB14              | 2                 | push               | off-(on)         |              | SimCBEOSB_14R        |
| OSB15              | 2                 | push               | off-(on)         |              | SimCBEOSB_15R        |
| OSB16              | 2                 | push               | off-(on)         |              | SimCBEOSB_16R        |
| OSB17              | 2                 | push               | off-(on)         |              | SimCBEOSB_17R        |
| OSB18              | 2                 | push               | off-(on)         |              | SimCBEOSB_18R        |
| OSB19              | 2                 | push               | off-(on)         |              | SimCBEOSB_19R        |
| OSB20              | 2                 | push               | off-(on)         |              | SimCBEOSB_20R        |
|                    |                   |                    |                  |              | SimCBEOSB_GAINUP_R   |
|                    |                   |                    |                  |              | SimCBEOSB_GAINDOWN_R |

## Other



|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u>    | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u>                       |
|--------------------|-------------------|-----------------------|------------------|----------------------|--------------|---------------------------------------|
| Chaff/flare button |                   |                       |                  |                      |              |                                       |
| Alt gear           | 2                 |                       |                  |                      | ?            | AFAlternateGear, AFAlternateGearReset |
| Canopy switch      | 2                 |                       |                  |                      |              | AFCanopyToggle                        |
| pedal adj          | 0                 | T handle              | mechanical       | none                 |              |                                       |
| Mark beacon        | 0                 | green indicator light | none             | mrk bcn              |              |                                       |



## ACES-II

|                      |  |
|----------------------|--|
| Build Status         |  |
| Panel Purchased      |  |
| Back Panel Purchased |  |
| Mounted in Pit       |  |
| Wired                |  |
| Knobs mounted        |  |
| Inputs Tested        |  |
| Outputs Tested       |  |
|                      |  |

| <u>Switch Name</u> | <u># of poles</u> | <u>Positions</u> | <u>Postion names</u> | <u>Notes</u> | <u>Callback</u>       |
|--------------------|-------------------|------------------|----------------------|--------------|-----------------------|
| Eject grip         | 2                 |                  |                      |              | SimEject              |
| Safety Lever       | 2                 |                  |                      |              | SimSeatOff, SimSeatOn |
| Manual release     |                   |                  |                      |              |                       |

|    |           |
|----|-----------|
|    | J15       |
| 1  | BKLGT-V   |
| 2  | BKLGT+V   |
| 3  | +12V LEFT |
| 4  | +28V LEFT |
| 5  | GND LEFT  |
| 6  | EJECT     |
| 7  | SEAT_ON   |
| 8  | 8 OPEN,   |
| 9  | 9 OPEN,   |
| 10 | 10 OPEN   |
|    |           |

## TQS

| <u>Switch Name</u> | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Position names</u>  | <u>Notes</u> | <u>Callback</u>  |
|--------------------|-------------------|--------------------|------------------|------------------------|--------------|--|
| DOGFIGHT           | 3                 |                    | on-off-on        | DDOGFIGHT, ,           |              | SimSelectMRMOverride, SimDeselectOverride, SimSelectSRMOverride                        |
| MAN RNG/UNCAGE     |                   | Rotary knob        |                  | MAN RNG/UNCAGE         |              | BMS alanog axis or SimRangeKnobDown, SimRangeKnobUp                                    |
| ANT ELEV           |                   | Rotary knob        | Detented center  |                        |              | BMS alanog axis or SimRadarElevationDown, SimRadarElevationCenter, SimRadarElevationUp |
| CURSOR             |                   | Joystick           |                  |                        |              | BMS alanog axes or SimCursorDown ,SimCursorLeft ,SimCursorRight , SimCursorUp          |
| ENABLE             | 2                 | push               | off-(on)         |                        |              | SimCursorEnable  |
| Speed Brake        | 2                 |                    |                  |                        |              | AFBrakesIn, AFBrakesOut  |
| PTT                | 4                 |                    |                  | VHF,UHF,IFF IN,IFF OUT |              | SimTransmitCom2,SimTransmitCom1  |
| Black-Out Switch   | 2                 |                    |                  |                        |              |  |

## SSC

| <u>Switch Name</u>    | <u># of poles</u> | <u>Switch type</u> | <u>Positions</u> | <u>Postion names</u>   | <u>Notes</u> | <u>Callback</u>   |
|-----------------------|-------------------|--------------------|------------------|------------------------|--------------|---|
| NWS-A/R DISC-MSL STEP | 2                 |                    | off,(on)         |                        |              | SimMissileStep  |
| Trim                  | 5                 |                    |                  | Off,Fwd,Aft,Left,Right |              | AfElevatorTrimUp, AfElevatorTrimDown ,AfAileronTrimLeft, AfAileronTrimRight |
| Display Manag         | 5                 |                    |                  | Off,Fwd,Aft,Left,Right |              | SimDMSUp, SimDMSDown, SimDMSLeft,SimDMSRight                                |
| Weapon Release        | 2                 |                    | off,(on)         |                        |              | SimPickle   |
| Paddle Switch         | 2                 |                    |                  |                        |              | SimAPOverride   |
| Trigger               | 3                 |                    |                  | Off,Detent1,Detent2    |              | SimTriggerFirstDetent, SimTriggerSecondDetent                               |
| Pinky Switch          | 2                 |                    |                  |                        |              | SimPinkySwitch  |
| TMS                   | 5                 |                    |                  | Off,Fwd,Aft,Left,Right |              | SimTMSUp,SimTMSDown, SimTMSLeft,SimTMSRight                                 |
| CMS                   | 5                 |                    |                  | Off,Fwd,Aft,Left,Right |              | SimDropProgrammed, SimECMConsent, ,SimECMStandby                            |

