1 2014-03-26T20:48:35.871612+05:30 Texas Instruments Fusion Digital Power Designer v1.8.353 [2013-10-01] UCD9090 104 1 UCD9090|2.3.5.0000|110701 false 48 0 false 1 true 2 true 3 false 17 false 25 false 32 true 33 true 37 true 38 true 42 true 56 true 57 true 64 true 66 true 67 true 68 true 70 true 74 true 75 true 79 true 81 true 94 true 95 true 96 true 98 true 100 true 102 true 120 false 121 false 122 true 123 true 125 true 126 false 139 true 140 true 141 false 142 true 152 false 153 false 154 false 155 false 156 false 157 false 158 false 209 true 210 false 211 false 212 false 213 false 214 false 215 false 216 false 217 false 218 false 219 false 220 false 221 false 222 false 223 false 224 false 225 false 226 false 227 false 228 true 229 true 233 true 234 false 235 false 236 false 237 true 238 false 239 false 240 false 241 false 242 false 243 true 245 true 246 true 247 false 248 false 249 false 250 false 251 false 252 false 253 false 10 PWM\_CONFIG\_0 225 PWM\_CONFIG\_0 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_1 225 PWM\_CONFIG\_1 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_2 225 PWM\_CONFIG\_2 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_3 225 PWM\_CONFIG\_3 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_4 225 PWM\_CONFIG\_4 [MFR 17,0xE1] Duty Cycle: 90.0 %; Frequency: 15.26 kHz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_5 225 PWM\_CONFIG\_5 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_6 225 PWM\_CONFIG\_6 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_7 225 PWM\_CONFIG\_7 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_8 225 PWM\_CONFIG\_8 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 PWM\_CONFIG\_9 225 PWM\_CONFIG\_9 [MFR 17,0xE1] Duty Cycle: 0.0 %; Frequency: 0 Hz; Phase: 0.0 deg Custom Configuration 255 GPIO\_CONFIG\_0 251 GPIO\_CONFIG\_0 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_1 251 GPIO\_CONFIG\_1 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_2 251 GPIO\_CONFIG\_2 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_3 251 GPIO\_CONFIG\_3 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_4 251 GPIO\_CONFIG\_4 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_5 251 GPIO\_CONFIG\_5 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_6 251 GPIO\_CONFIG\_6 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_7 251 GPIO\_CONFIG\_7 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_8 251 GPIO\_CONFIG\_8 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_9 251 GPIO\_CONFIG\_9 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_10 251 GPIO\_CONFIG\_10 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_11 251 GPIO\_CONFIG\_11 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_12 251 GPIO\_CONFIG\_12 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_13 251 GPIO\_CONFIG\_13 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_14 251 GPIO\_CONFIG\_14 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_15 251 GPIO\_CONFIG\_15 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_16 251 GPIO\_CONFIG\_16 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_17 251 GPIO\_CONFIG\_17 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_18 251 GPIO\_CONFIG\_18 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_19 251 GPIO\_CONFIG\_19 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 GPIO\_CONFIG\_20 251 GPIO\_CONFIG\_20 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_21 251 GPIO\_CONFIG\_21 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: False Custom Status 255 GPIO\_CONFIG\_22 251 GPIO\_CONFIG\_22 [MFR 43,0xFB] Enable: False; Out\_Enable: False; Out\_Value: False; Status: True Custom Status 255 CAPABILITY 25 CAPABILITY [0x19] Max Bus: 400 Khz; PEC: Yes; SMBALERT#: Yes Custom Manufacturer 255 CONSTANTS 223 CONSTANTS [MFR 15,0xDF] Max # Digital Comparators: 6; Max # GPOs: 10; Max # GPIs: 8; Max # Pages: 10; Max # Fans: 0; Max # Monitors: 11; Max # Fault Detail Items: 30; Max # PWMs: 10 Custom Manufacturer 255 DEVICE\_ID 253 DEVICE\_ID [MFR 45,0xFD] UCD9090|2.3.5.0000|110701 String Manufacturer 255 GPI\_CONFIG 249 GPI\_CONFIG [MFR 41,0xF9] Inputs: Pin 22 GPI1\_PWM1 ActiveHigh Input,Pin 23 GPI2\_PWM2 ActiveHigh Input Custom Configuration 255 GPO\_CONFIG\_1 248 GPO\_CONFIG\_1 [MFR 40,0xF8] Pin 24 GPIO15 ActiveHigh ActivelyDrivenOutput; RAIL1 [POWER\_GOOD] Custom Configuration 255 GPO\_CONFIG\_2 248 GPO\_CONFIG\_2 [MFR 40,0xF8] Pin 25 GPIO16 ActiveHigh ActivelyDrivenOutput; INPUT\_S • INPUT\_T • OUTPUT\_X • RAIL2 • RAIL3 • RAIL4 • RAIL5 • RAIL6 • RAIL7 [POWER\_GOOD] Custom Configuration 255 GPO\_CONFIG\_3 248 GPO\_CONFIG\_3 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_4 248 GPO\_CONFIG\_4 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_5 248 GPO\_CONFIG\_5 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_6 248 GPO\_CONFIG\_6 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_7 248 GPO\_CONFIG\_7 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_8 248 GPO\_CONFIG\_8 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_9 248 GPO\_CONFIG\_9 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 GPO\_CONFIG\_10 248 GPO\_CONFIG\_10 [MFR 40,0xF8] Unassigned; No Mask Custom Configuration 255 LOGGED\_COMMON\_PEAKS 238 LOGGED\_COMMON\_PEAKS [MFR 30,0xEE] Temp: 41 °C Custom Status 255 LOGGED\_FAULT\_DETAIL\_ENABLES 239 LOGGED\_FAULT\_DETAIL\_ENABLES [MFR 31,0xEF] Common: LOG\_NOT\_EMPTY,SYSTEM\_WATCHDOG\_TIMEOUT,RESEQUENCE\_ERROR,WATCHDOG\_TIMEOUT,RESERVED4,RESERVED5,RESERVED6,RESERVED7; GPI: #1,2,3,4,5,6,7,8; Rail #1: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #2: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #3: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #4: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #5: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #6: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #7: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #8: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #9: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT; Rail #10: VOUT\_OV,VOUT\_UV,TON\_MAX,IOUT\_OC,IOUT\_UC,TEMPERATURE\_OT,SEQ\_ON\_TIMEOUT,SEQ\_OFF\_TIMEOUT Bitmask Status 255 LOGGED\_FAULT\_DETAIL\_INDEX 235 LOGGED\_FAULT\_DETAIL\_INDEX [MFR 27,0xEB] Fault Index: 1, Num Entries: 2 Custom Status 255 LOGGED\_FAULTS2 234 LOGGED\_FAULTS [MFR 26,0xEA] Common: <EMPTY>; GPI: <empty>; Rail #1: <EMPTY>; Rail #2: <EMPTY>; Rail #3: <EMPTY>; Rail #4: <EMPTY>; Rail #5: <EMPTY>; Rail #6: <EMPTY>; Rail #7: <EMPTY>; Rail #8: <EMPTY>; Rail #9: <EMPTY>; Rail #10: <EMPTY> Custom Status 255 MFR\_DATE 157 MFR\_DATE [0x9D] 131216 String Manufacturer 255 MFR\_ID 153 MFR\_ID [0x99] String Manufacturer 255 MFR\_LOCATION 156 MFR\_LOCATION [0x9C] INDIA String Manufacturer 255 MFR\_MODEL 154 MFR\_MODEL [0x9A] K2E\_EVM String Manufacturer 255 MFR\_REVISION 155 MFR\_REVISION [0x9B] 1.0 String Manufacturer 255 MFR\_SERIAL 158 MFR\_SERIAL [0x9E] 000000 String Manufacturer 255 MISC\_CONFIG 252 MISC\_CONFIG [MFR 44,0xFC] Time Between Resequences: 0 msec; Resequence Abort: no; Max Resequences: 1; FIFO Mode: Disabled; Brownout Enable: no Custom Configuration 255 MONITOR\_CONFIG 213 MONITOR\_CONFIG [MFR 05,0xD5] Pin 1 MON1: Rail #4, Type Voltage; Pin 2 MON2: Rail #5, Type Voltage; Pin 38 MON3: Rail #8, Type Voltage; Pin 39 MON4: Rail #1, Type Voltage (HW Comparator); Pin 40 MON5: Rail #3, Type Voltage; Pin 41 MON6: Rail #2, Type Voltage; Pin 42 MON7: Rail #6, Type Voltage; Pin 45 MON8: Rail #7, Type Voltage; Pin 46 MON9: Not Assigned; Pin 48 MON10: Rail #9, Type Voltage; Pin 37 MON11: Not Assigned Custom Configuration 255 NUM\_PAGES 214 NUM\_PAGES [MFR 06,0xD6] 10 UnitlessZeroDigit Configuration 255 PIN\_SELECTED\_RAIL\_STATES 221 PIN\_SELECTED\_RAIL\_STATES [MFR 13,0xDD] State 0: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 1: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 2: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 3: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 4: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 5: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 6: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off; State 7: Enabled=No, Turn Off Mode=ImmediateOff, Rails States= Rail #1 Off, Rail #2 Off, Rail #3 Off, Rail #4 Off, Rail #5 Off, Rail #6 Off, Rail #7 Off, Rail #8 Off, Rail #9 Off, Rail #10 Off Custom Configuration 255 PMBUS\_REVISION 152 PMBUS\_REVISION [0x98] 1.1,1.1 - Part I: 1.1, Part II: 1.1 Custom Manufacturer 255 READ\_TEMPERATURE\_1 141 READ\_TEMPERATURE\_1 [0x8D] 41 °C 41.1875 Temperature Status 255 RESET\_COUNT2 220 RESET\_COUNT [MFR 12,0xDC] 0 0 UnitlessZeroDigit Status 255 REAL\_TIME\_CLOCK 215 RUN\_TIME\_CLOCK [MFR 07,0xD7] 2013-12-25 17:50:04.750 Custom Configuration 255 REAL\_TIME\_CLOCK\_TRIM 216 RUN\_TIME\_CLOCK\_TRIM [MFR 08,0xD8] 0.00 % 0 Percent Calibration 255 SECURITY\_BIT\_MASK 242 SECURITY\_BIT\_MASK [MFR 34,0xF2] No commands write protected Custom Manufacturer 255 STATUS\_BYTE 120 STATUS\_BYTE [0x78] NONE\_OF\_ABOVE,VOUT\_OV\_FAULT Bitmask Status 255 STATUS\_CML 126 STATUS\_CML [0x7E] <EMPTY> Bitmask Status 255 STATUS\_WORD 121 STATUS\_WORD [0x79] NONE\_OF\_ABOVE,VOUT\_OV\_FAULT,POWER\_GOOD,MFR,VOUT Bitmask Status 255 SYSTEM\_RESET\_CONFIG 210 SYSTEM\_RESET\_CONFIG [MFR 02,0xD2] Disabled Custom Configuration 255 SYSTEM\_WATCHDOG\_CONFIG 211 SYSTEM\_WATCHDOG\_CONFIG [MFR 03,0xD3] Disabled Custom Configuration 255 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #1] EXP -12 Custom Configuration 0 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #1] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 0 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #1] 10.000 mΩ 10 Resistance Calibration 0 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #1] 0.000 A 0 CurrentCalibration Calibration 0 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #1] 0.00 A 0 Current Limits 0 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #1] 0.00 A 0 Current Limits 0 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #1] 0.00 A 0 Current Limits 0 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #1] Voltage: 0.981 V, Current: 0.00 A, Temp: 41 °C Custom Status 0 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #1] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 0 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #1] GPI2 Bitmask Status 0 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #1] Mode: Always Converting Custom OnOff 0 OPERATION 1 OPERATION [0x01,Rail #1] Unit: ImmediateOff; Margin: None Custom OnOff 0 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #1] 255 °C 255 Temperature Limits 0 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #1] 255 °C 255 Temperature Limits 0 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #1] 2.805 V 2.805 Voltage OnOff 0 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #1] 2.970 V 2.97 Voltage OnOff 0 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #1] 0.00 A 0 Current Status 0 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #1] 41 °C 41.1875 Temperature Status 0 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #1] 0.963 V 0.963 Voltage Status 0 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #1] Rail On Dep: <None> | GPI On Dep: <None> | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #2,3,4,5,6,7,8,9,10 | Enable: Unassigned; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 0 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #1] <EMPTY> Bitmask Status 0 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #1] <EMPTY> Bitmask Status 0 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #1] <EMPTY> Bitmask Status 0 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #1] 100.0 °C/V 100 TemperatureGain Calibration 0 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #1] 0.00 °C 0 TemperatureCalibration Calibration 0 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #1] 270.0 ms 270 TimeOneDigitMilliseconds OnOff 0 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #1] <No Limit> Custom OnOff 0 TON\_DELAY 96 TON\_DELAY [0x60,Rail #1] 50.0 ms 50 TimeOneDigitMilliseconds OnOff 0 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #1] <No Limit> 0 TimeOneDigitMilliseconds OnOff 0 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #1] 0.000 V 0 Voltage Calibration 0 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #1] 3.300 V 3.3 Voltage Configuration 0 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #1] 3.465 V 3.465 Voltage Configuration 0 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #1] 3.135 V 3.135 Voltage Configuration 0 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #1] 3.795 V 3.795 Voltage Limits 0 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #1] 3.630 V 3.63 Voltage Limits 0 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #1] 0.600 0.6 UnitlessThreeDigit Calibration 0 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #1] 2.805 V 2.805 Voltage Limits 0 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #1] 2.970 V 2.97 Voltage Limits 0 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #2] EXP -13 Custom Configuration 1 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #2] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 1 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #2] 10.000 mΩ 10 Resistance Calibration 1 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #2] 0.000 A 0 CurrentCalibration Calibration 1 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #2] 0.00 A 0 Current Limits 1 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #2] 0.00 A 0 Current Limits 1 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #2] 0.00 A 0 Current Limits 1 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #2] Voltage: 1.825 V, Current: 0.00 A, Temp: 41 °C Custom Status 1 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #2] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 1 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #2] GPI2 Bitmask Status 1 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #2] Mode: Always Converting Custom OnOff 1 OPERATION 1 OPERATION [0x01,Rail #2] Unit: ImmediateOff; Margin: None Custom OnOff 1 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #2] 255 °C 255 Temperature Limits 1 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #2] 255 °C 255 Temperature Limits 1 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #2] 1.530 V 1.53 Voltage OnOff 1 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #2] 1.620 V 1.62 Voltage OnOff 1 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #2] 0.00 A 0 Current Status 1 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #2] 41 °C 41.25 Temperature Status 1 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #2] 1.820 V 1.82 Voltage Status 1 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #2] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,3,4,5,6,7,8,10 | Enable: Pin 21 GPIO14 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 1 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #2] <EMPTY> Bitmask Status 1 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #2] <EMPTY> Bitmask Status 1 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #2] <EMPTY> Bitmask Status 1 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #2] 100.0 °C/V 100 TemperatureGain Calibration 1 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #2] 0.00 °C 0 TemperatureCalibration Calibration 1 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #2] 170.0 ms 170 TimeOneDigitMilliseconds OnOff 1 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #2] <No Limit> Custom OnOff 1 TON\_DELAY 96 TON\_DELAY [0x60,Rail #2] 120.0 ms 120 TimeOneDigitMilliseconds OnOff 1 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #2] <No Limit> 0 TimeOneDigitMilliseconds OnOff 1 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #2] 0.000 V 0 Voltage Calibration 1 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #2] 1.800 V 1.8 Voltage Configuration 1 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #2] 1.890 V 1.89 Voltage Configuration 1 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #2] 1.710 V 1.71 Voltage Configuration 1 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #2] 2.070 V 2.07 Voltage Limits 1 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #2] 1.980 V 1.98 Voltage Limits 1 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #2] 1.000 1 UnitlessThreeDigit Calibration 1 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #2] 1.530 V 1.53 Voltage Limits 1 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #2] 1.620 V 1.62 Voltage Limits 1 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #3] EXP -13 Custom Configuration 2 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #3] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 2 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #3] 10.000 mΩ 10 Resistance Calibration 2 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #3] 0.000 A 0 CurrentCalibration Calibration 2 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #3] 0.00 A 0 Current Limits 2 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #3] 0.00 A 0 Current Limits 2 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #3] 0.00 A 0 Current Limits 2 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #3] Voltage: 1.018 V, Current: 0.00 A, Temp: 41 °C Custom Status 2 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #3] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 2 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #3] GPI2 Bitmask Status 2 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #3] Mode: Always Converting Custom OnOff 2 OPERATION 1 OPERATION [0x01,Rail #3] Unit: ImmediateOff; Margin: None Custom OnOff 2 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #3] 255 °C 255 Temperature Limits 2 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #3] 255 °C 255 Temperature Limits 2 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #3] 0.808 V 0.808 Voltage OnOff 2 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #3] 0.855 V 0.855 Voltage OnOff 2 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #3] 0.00 A 0 Current Status 2 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #3] 41 °C 41.25 Temperature Status 2 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #3] 1.010 V 1.01 Voltage Status 2 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #3] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,4,5,6,7,8,10 | Enable: Pin 18 GPIO13 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 2 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #3] <EMPTY> Bitmask Status 2 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #3] <EMPTY> Bitmask Status 2 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #3] <EMPTY> Bitmask Status 2 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #3] 100.0 °C/V 100 TemperatureGain Calibration 2 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #3] 0.00 °C 0 TemperatureCalibration Calibration 2 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #3] 200.0 ms 200 TimeOneDigitMilliseconds OnOff 2 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #3] <No Limit> Custom OnOff 2 TON\_DELAY 96 TON\_DELAY [0x60,Rail #3] 90.0 ms 90 TimeOneDigitMilliseconds OnOff 2 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #3] <No Limit> 0 TimeOneDigitMilliseconds OnOff 2 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #3] 0.000 V 0 Voltage Calibration 2 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #3] 0.950 V 0.95 Voltage Configuration 2 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #3] 0.997 V 0.997 Voltage Configuration 2 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #3] 0.903 V 0.903 Voltage Configuration 2 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #3] 2.000 V 2 Voltage Limits 2 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #3] 2.000 V 2 Voltage Limits 2 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #3] 0.800 0.8 UnitlessThreeDigit Calibration 2 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #3] 0.808 V 0.808 Voltage Limits 2 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #3] 0.855 V 0.855 Voltage Limits 2 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #4] EXP -14 Custom Configuration 3 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #4] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 3 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #4] 10.000 mΩ 10 Resistance Calibration 3 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #4] 0.000 A 0 CurrentCalibration Calibration 3 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #4] 0.00 A 0 Current Limits 3 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #4] 0.00 A 0 Current Limits 3 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #4] 0.00 A 0 Current Limits 3 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #4] Voltage: 1.018 V, Current: 0.00 A, Temp: 41 °C Custom Status 3 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #4] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 3 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #4] GPI2 Bitmask Status 3 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #4] Mode: Always Converting Custom OnOff 3 OPERATION 1 OPERATION [0x01,Rail #4] Unit: ImmediateOff; Margin: None Custom OnOff 3 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #4] 255 °C 255 Temperature Limits 3 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #4] 255 °C 255 Temperature Limits 3 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #4] 0.650 V 0.65 Voltage OnOff 3 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #4] 0.900 V 0.9 Voltage OnOff 3 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #4] 0.00 A 0 Current Status 3 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #4] 41 °C 41.125 Temperature Status 3 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #4] 0.998 V 0.998 Voltage Status 3 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #4] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,3,5,6,7,8,10 | Enable: Pin 4 GPIO1 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 3 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #4] <EMPTY> Bitmask Status 3 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #4] <EMPTY> Bitmask Status 3 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #4] <EMPTY> Bitmask Status 3 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #4] 100.0 °C/V 100 TemperatureGain Calibration 3 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #4] 0.00 °C 0 TemperatureCalibration Calibration 3 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #4] 240.0 ms 240 TimeOneDigitMilliseconds OnOff 3 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #4] <No Limit> Custom OnOff 3 TON\_DELAY 96 TON\_DELAY [0x60,Rail #4] 60.0 ms 60 TimeOneDigitMilliseconds OnOff 3 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #4] <No Limit> 0 TimeOneDigitMilliseconds OnOff 3 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #4] 0.000 V 0 Voltage Calibration 3 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #4] 1.000 V 1 Voltage Configuration 3 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #4] 1.030 V 1.03 Voltage Configuration 3 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #4] 0.970 V 0.97 Voltage Configuration 3 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #4] 1.150 V 1.15 Voltage Limits 3 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #4] 1.100 V 1.1 Voltage Limits 3 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #4] 1.000 1 UnitlessThreeDigit Calibration 3 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #4] 0.650 V 0.65 Voltage Limits 3 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #4] 0.700 V 0.7 Voltage Limits 3 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #5] EXP -14 Custom Configuration 4 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #5] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 4 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #5] 10.000 mΩ 10 Resistance Calibration 4 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #5] 0.000 A 0 CurrentCalibration Calibration 4 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #5] 0.00 A 0 Current Limits 4 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #5] 0.00 A 0 Current Limits 4 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #5] 0.00 A 0 Current Limits 4 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #5] Voltage: 0.863 V, Current: 0.00 A, Temp: 41 °C Custom Status 4 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #5] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 4 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #5] GPI2 Bitmask Status 4 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #5] Mode: Always Converting Custom OnOff 4 OPERATION 1 OPERATION [0x01,Rail #5] Unit: ImmediateOff; Margin: None Custom OnOff 4 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #5] 255 °C 255 Temperature Limits 4 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #5] 255 °C 255 Temperature Limits 4 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #5] 0.722 V 0.722 Voltage OnOff 4 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #5] 0.765 V 0.765 Voltage OnOff 4 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #5] 0.00 A 0 Current Status 4 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #5] 41 °C 41.125 Temperature Status 4 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #5] 0.855 V 0.855 Voltage Status 4 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #5] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,3,4,6,7,8,10 | Enable: Pin 5 GPIO2 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 4 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #5] <EMPTY> Bitmask Status 4 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #5] <EMPTY> Bitmask Status 4 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #5] <EMPTY> Bitmask Status 4 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #5] 100.0 °C/V 100 TemperatureGain Calibration 4 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #5] 0.00 °C 0 TemperatureCalibration Calibration 4 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #5] 80.0 ms 80 TimeOneDigitMilliseconds OnOff 4 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #5] <No Limit> Custom OnOff 4 TON\_DELAY 96 TON\_DELAY [0x60,Rail #5] 210.0 ms 210 TimeOneDigitMilliseconds OnOff 4 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #5] <No Limit> 0 TimeOneDigitMilliseconds OnOff 4 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #5] 0.000 V 0 Voltage Calibration 4 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #5] 0.850 V 0.85 Voltage Configuration 4 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #5] 0.893 V 0.893 Voltage Configuration 4 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #5] 0.808 V 0.808 Voltage Configuration 4 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #5] 0.977 V 0.977 Voltage Limits 4 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #5] 0.935 V 0.935 Voltage Limits 4 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #5] 1.000 1 UnitlessThreeDigit Calibration 4 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #5] 0.722 V 0.722 Voltage Limits 4 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #5] 0.765 V 0.765 Voltage Limits 4 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #6] EXP -13 Custom Configuration 5 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #6] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 5 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #6] 10.000 mΩ 10 Resistance Calibration 5 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #6] 0.000 A 0 CurrentCalibration Calibration 5 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #6] 0.00 A 0 Current Limits 5 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #6] 0.00 A 0 Current Limits 5 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #6] 0.00 A 0 Current Limits 5 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #6] Voltage: 1.514 V, Current: 0.00 A, Temp: 41 °C Custom Status 5 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #6] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 5 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #6] GPI2 Bitmask Status 5 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #6] Mode: Always Converting Custom OnOff 5 OPERATION 1 OPERATION [0x01,Rail #6] Unit: ImmediateOff; Margin: None Custom OnOff 5 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #6] 255 °C 255 Temperature Limits 5 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #6] 255 °C 255 Temperature Limits 5 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #6] 1.277 V 1.277 Voltage OnOff 5 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #6] 1.350 V 1.35 Voltage OnOff 5 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #6] 0.00 A 0 Current Status 5 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #6] 41 °C 41.125 Temperature Status 5 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #6] 1.508 V 1.508 Voltage Status 5 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #6] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,3,4,5,7,8,10 | Enable: Pin 11 FPWM2\_GPIO6 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 5 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #6] <EMPTY> Bitmask Status 5 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #6] <EMPTY> Bitmask Status 5 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #6] <EMPTY> Bitmask Status 5 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #6] 100.0 °C/V 100 TemperatureGain Calibration 5 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #6] 0.00 °C 0 TemperatureCalibration Calibration 5 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #6] 140.0 ms 140 TimeOneDigitMilliseconds OnOff 5 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #6] <No Limit> Custom OnOff 5 TON\_DELAY 96 TON\_DELAY [0x60,Rail #6] 150.0 ms 150 TimeOneDigitMilliseconds OnOff 5 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #6] <No Limit> 0 TimeOneDigitMilliseconds OnOff 5 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #6] 0.000 V 0 Voltage Calibration 5 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #6] 1.500 V 1.5 Voltage Configuration 5 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #6] 1.576 V 1.576 Voltage Configuration 5 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #6] 1.424 V 1.424 Voltage Configuration 5 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #6] 1.724 V 1.724 Voltage Limits 5 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #6] 1.650 V 1.65 Voltage Limits 5 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #6] 1.000 1 UnitlessThreeDigit Calibration 5 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #6] 1.277 V 1.277 Voltage Limits 5 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #6] 1.350 V 1.35 Voltage Limits 5 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #7] EXP -14 Custom Configuration 6 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #7] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 6 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #7] 10.000 mΩ 10 Resistance Calibration 6 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #7] 0.000 A 0 CurrentCalibration Calibration 6 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #7] 0.00 A 0 Current Limits 6 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #7] 0.00 A 0 Current Limits 6 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #7] 0.00 A 0 Current Limits 6 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #7] Voltage: 0.012 V, Current: 0.00 A, Temp: 41 °C Custom Status 6 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #7] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 6 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #7] GPI2 Bitmask Status 6 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #7] Mode: Always Converting Custom OnOff 6 OPERATION 1 OPERATION [0x01,Rail #7] Unit: ImmediateOff; Margin: None Custom OnOff 6 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #7] 255 °C 255 Temperature Limits 6 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #7] 255 °C 255 Temperature Limits 6 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #7] 0.638 V 0.638 Voltage OnOff 6 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #7] 0.675 V 0.675 Voltage OnOff 6 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #7] 0.00 A 0 Current Status 6 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #7] 41 °C 41.375 Temperature Status 6 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #7] 0.005 V 0.005 Voltage Status 6 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #7] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,3,4,5,6,8,10 | Enable: Pin 26 GPIO17 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 6 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #7] <EMPTY> Bitmask Status 6 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #7] <EMPTY> Bitmask Status 6 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #7] <EMPTY> Bitmask Status 6 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #7] 100.0 °C/V 100 TemperatureGain Calibration 6 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #7] 0.00 °C 0 TemperatureCalibration Calibration 6 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #7] 110.0 ms 110 TimeOneDigitMilliseconds OnOff 6 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #7] <No Limit> Custom OnOff 6 TON\_DELAY 96 TON\_DELAY [0x60,Rail #7] 180.0 ms 180 TimeOneDigitMilliseconds OnOff 6 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #7] <No Limit> 0 TimeOneDigitMilliseconds OnOff 6 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #7] 0.000 V 0 Voltage Calibration 6 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #7] 0.750 V 0.75 Voltage Configuration 6 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #7] 0.788 V 0.788 Voltage Configuration 6 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #7] 0.712 V 0.712 Voltage Configuration 6 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #7] 0.862 V 0.862 Voltage Limits 6 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #7] 0.825 V 0.825 Voltage Limits 6 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #7] 1.000 1 UnitlessThreeDigit Calibration 6 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #7] 0.638 V 0.638 Voltage Limits 6 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #7] 0.675 V 0.675 Voltage Limits 6 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #8] EXP -12 Custom Configuration 7 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #8] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 7 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #8] 10.000 mΩ 10 Resistance Calibration 7 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #8] 0.000 A 0 CurrentCalibration Calibration 7 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #8] 0.00 A 0 Current Limits 7 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #8] 0.00 A 0 Current Limits 7 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #8] 0.00 A 0 Current Limits 7 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #8] Voltage: 5.149 V, Current: 0.00 A, Temp: 41 °C Custom Status 7 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #8] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 7 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #8] GPI2 Bitmask Status 7 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #8] Mode: Always Converting Custom OnOff 7 OPERATION 1 OPERATION [0x01,Rail #8] Unit: ImmediateOff; Margin: None Custom OnOff 7 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #8] 255 °C 255 Temperature Limits 7 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #8] 255 °C 255 Temperature Limits 7 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #8] 4.250 V 4.25 Voltage OnOff 7 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #8] 4.500 V 4.5 Voltage OnOff 7 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #8] 0.00 A 0 Current Status 7 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #8] 41 °C 41.375 Temperature Status 7 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #8] 5.116 V 5.116 Voltage Status 7 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #8] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,3,4,5,6,7,10 | Enable: Pin 6 GPIO3 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 7 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #8] <EMPTY> Bitmask Status 7 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #8] <EMPTY> Bitmask Status 7 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #8] <EMPTY> Bitmask Status 7 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #8] 100.0 °C/V 100 TemperatureGain Calibration 7 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #8] 0.00 °C 0 TemperatureCalibration Calibration 7 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #8] 20.0 ms 20 TimeOneDigitMilliseconds OnOff 7 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #8] <No Limit> Custom OnOff 7 TON\_DELAY 96 TON\_DELAY [0x60,Rail #8] 270.0 ms 270 TimeOneDigitMilliseconds OnOff 7 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #8] <No Limit> 0 TimeOneDigitMilliseconds OnOff 7 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #8] 0.000 V 0 Voltage Calibration 7 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #8] 5.000 V 5 Voltage Configuration 7 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #8] 5.250 V 5.25 Voltage Configuration 7 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #8] 4.750 V 4.75 Voltage Configuration 7 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #8] 5.750 V 5.75 Voltage Limits 7 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #8] 5.500 V 5.5 Voltage Limits 7 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #8] 0.400 0.4 UnitlessThreeDigit Calibration 7 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #8] 4.250 V 4.25 Voltage Limits 7 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #8] 4.500 V 4.5 Voltage Limits 7 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #9] EXP -12 Custom Configuration 8 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #9] Retry Time: 10 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Shut down immediately; Restart: Restart up to 1 times| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 8 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #9] 10.000 mΩ 10 Resistance Calibration 8 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #9] 0.000 A 0 CurrentCalibration Calibration 8 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #9] 0.00 A 0 Current Limits 8 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #9] 0.00 A 0 Current Limits 8 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #9] 0.00 A 0 Current Limits 8 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #9] Voltage: 0.000 V, Current: 0.00 A, Temp: 0 °C Custom Status 8 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #9] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 8 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #9] GPI2 Bitmask Status 8 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #9] Mode: Always Converting Custom OnOff 8 OPERATION 1 OPERATION [0x01,Rail #9] Unit: ImmediateOff; Margin: None Custom OnOff 8 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #9] 255 °C 255 Temperature Limits 8 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #9] 255 °C 255 Temperature Limits 8 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #9] 4.250 V 4.25 Voltage OnOff 8 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #9] 4.500 V 4.5 Voltage OnOff 8 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #9] 0.00 A 0 Current Status 8 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #9] 41 °C 41.3125 Temperature Status 8 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #9] 1.000 V 1 Voltage Status 8 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #9] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: <None> | Fault Dep: <None> | Enable: Pin 10 FPWM1\_GPIO5 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 8 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #9] <EMPTY> Bitmask Status 8 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #9] <EMPTY> Bitmask Status 8 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #9] VOUT\_OV\_WARN,VOUT\_OV\_FAULT Bitmask Status 8 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #9] 100.0 °C/V 100 TemperatureGain Calibration 8 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #9] 0.00 °C 0 TemperatureCalibration Calibration 8 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #9] 0.0 ms 0 TimeOneDigitMilliseconds OnOff 8 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #9] <No Limit> Custom OnOff 8 TON\_DELAY 96 TON\_DELAY [0x60,Rail #9] 300.0 ms 300 TimeOneDigitMilliseconds OnOff 8 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #9] <No Limit> 0 TimeOneDigitMilliseconds OnOff 8 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #9] 0.000 V 0 Voltage Calibration 8 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #9] 5.000 V 5 Voltage Configuration 8 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #9] 5.250 V 5.25 Voltage Configuration 8 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #9] 4.750 V 4.75 Voltage Configuration 8 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #9] 5.750 V 5.75 Voltage Limits 8 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #9] 5.500 V 5.5 Voltage Limits 8 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #9] 1.000 1 UnitlessThreeDigit Calibration 8 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #9] 4.250 V 4.25 Voltage Limits 8 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #9] 4.500 V 4.5 Voltage Limits 8 VOUT\_MODE 32 VOUT\_MODE [0x20,Rail #10] EXP -12 Custom Configuration 9 FAULT\_RESPONSES 233 FAULT\_RESPONSES [MFR 25,0xE9,Rail #10] Retry Time: 0 msec| Max Volt Glitch Time: 0.0 msec| Max Other Glitch Time: 0 msec| VOUT\_OV: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| VOUT\_UV: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_OC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| IOUT\_UC: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| OT: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A| TON\_MAX: Resequence: Disabled; Glitch filter: Disabled; Response: Ignore; Restart: N/A Custom Calibration 9 IOUT\_CAL\_GAIN 56 IOUT\_CAL\_GAIN [0x38,Rail #10] 10.000 mΩ 10 Resistance Calibration 9 IOUT\_CAL\_OFFSET 57 IOUT\_CAL\_OFFSET [0x39,Rail #10] 0.000 A 0 CurrentCalibration Calibration 9 IOUT\_OC\_FAULT\_LIMIT 70 IOUT\_OC\_FAULT\_LIMIT [0x46,Rail #10] 0.00 A 0 Current Limits 9 IOUT\_OC\_WARN\_LIMIT 74 IOUT\_OC\_WARN\_LIMIT [0x4A,Rail #10] 0.00 A 0 Current Limits 9 IOUT\_UC\_FAULT\_LIMIT 75 IOUT\_UC\_FAULT\_LIMIT [0x4B,Rail #10] 0.00 A 0 Current Limits 9 LOGGED\_PAGE\_PEAKS 237 LOGGED\_PAGE\_PEAKS [MFR 29,0xED,Rail #10] Voltage: 0.000 V, Current: 0.00 A, Temp: 41 °C Custom Status 9 MARGIN\_CONFIG 245 MARGIN\_CONFIG [MFR 37,0xF5,Rail #10] Mode: DisabledIncrease Duty Cycle decreases Voltage; Ignore Faults: False; PWM Pin: ID 0, # 10 FPWM1\_GPIO5 Custom Configuration 9 MFR\_STATUS 243 MFR\_STATUS [MFR 35,0xF3,Rail #10] GPI2 Bitmask Status 9 ON\_OFF\_CONFIG 2 ON\_OFF\_CONFIG [0x02,Rail #10] Mode: Always Converting Custom OnOff 9 OPERATION 1 OPERATION [0x01,Rail #10] Unit: ImmediateOff; Margin: None Custom OnOff 9 OT\_FAULT\_LIMIT 79 OT\_FAULT\_LIMIT [0x4F,Rail #10] 60 °C 60 Temperature Limits 9 OT\_WARN\_LIMIT 81 OT\_WARN\_LIMIT [0x51,Rail #10] 50 °C 50 Temperature Limits 9 POWER\_GOOD\_OFF 95 POWER\_GOOD\_OFF [0x5F,Rail #10] 2.805 V 2.805 Voltage OnOff 9 POWER\_GOOD\_ON 94 POWER\_GOOD\_ON [0x5E,Rail #10] 2.970 V 2.97 Voltage OnOff 9 READ\_IOUT 140 READ\_IOUT [0x8C,Rail #10] 0.00 A 0 Current Status 9 READ\_TEMPERATURE\_2 142 READ\_TEMPERATURE\_2 [0x8E,Rail #10] 41 °C 41.3125 Temperature Status 9 READ\_VOUT 139 READ\_VOUT [0x8B,Rail #10] 0.000 V 0 Voltage Status 9 SEQ\_CONFIG 246 SEQ\_CONFIG [MFR 38,0xF6,Rail #10] Rail On Dep: <None> | GPI On Dep: T | Rail Off Dep: <None> | GPI Off Dep: T | Fault Dep: Rail #1,2,3,4,5,6,7,8 | Enable: Pin 12 FPWM3\_GPIO7 ActiveHigh ActivelyDrivenOutput; Seq On Timeout: 0 / Wait Indefinitely; Seq Off Timeout: 0 / Wait Indefinitely Custom Configuration 9 STATUS\_IOUT 123 STATUS\_IOUT [0x7B,Rail #10] <EMPTY> Bitmask Status 9 STATUS\_TEMPERATURE 125 STATUS\_TEMPERATURE [0x7D,Rail #10] <EMPTY> Bitmask Status 9 STATUS\_VOUT 122 STATUS\_VOUT [0x7A,Rail #10] <EMPTY> Bitmask Status 9 TEMPERATURE\_CAL\_GAIN 228 TEMPERATURE\_CAL\_GAIN [MFR 20,0xE4,Rail #10] 50.0 °C/V 50 TemperatureGain Calibration 9 TEMPERATURE\_CAL\_OFFSET 229 TEMPERATURE\_CAL\_OFFSET [MFR 21,0xE5,Rail #10] 0.00 °C 0 TemperatureCalibration Calibration 9 TOFF\_DELAY 100 TOFF\_DELAY [0x64,Rail #10] 50.0 ms 50 TimeOneDigitMilliseconds OnOff 9 TOFF\_MAX\_WARN\_LIMIT 102 TOFF\_MAX\_WARN\_LIMIT [0x66,Rail #10] <No Limit> Custom OnOff 9 TON\_DELAY 96 TON\_DELAY [0x60,Rail #10] 240.0 ms 240 TimeOneDigitMilliseconds OnOff 9 TON\_MAX\_FAULT\_LIMIT 98 TON\_MAX\_FAULT\_LIMIT [0x62,Rail #10] <No Limit> 0 TimeOneDigitMilliseconds OnOff 9 VOUT\_CAL\_MONITOR 209 VOUT\_CAL\_MONITOR [MFR 01,0xD1,Rail #10] 0.000 V 0 Voltage Calibration 9 VOUT\_COMMAND 33 VOUT\_COMMAND [0x21,Rail #10] 3.300 V 3.3 Voltage Configuration 9 VOUT\_MARGIN\_HIGH 37 VOUT\_MARGIN\_HIGH [0x25,Rail #10] 3.465 V 3.465 Voltage Configuration 9 VOUT\_MARGIN\_LOW 38 VOUT\_MARGIN\_LOW [0x26,Rail #10] 3.135 V 3.135 Voltage Configuration 9 VOUT\_OV\_FAULT\_LIMIT 64 VOUT\_OV\_FAULT\_LIMIT [0x40,Rail #10] 3.795 V 3.795 Voltage Limits 9 VOUT\_OV\_WARN\_LIMIT 66 VOUT\_OV\_WARN\_LIMIT [0x42,Rail #10] 3.630 V 3.63 Voltage Limits 9 VOUT\_SCALE\_MONITOR 42 VOUT\_SCALE\_MONITOR [0x2A,Rail #10] 1.000 1 UnitlessThreeDigit Calibration 9 VOUT\_UV\_FAULT\_LIMIT 68 VOUT\_UV\_FAULT\_LIMIT [0x44,Rail #10] 2.805 V 2.805 Voltage Limits 9 VOUT\_UV\_WARN\_LIMIT 67 VOUT\_UV\_WARN\_LIMIT [0x43,Rail #10] 2.970 V 2.97 Voltage Limits 9 false Vtrack 1 0 2 2013-12-25 17:50:04.748 - 0 Days, 00:00:00.001 2013-12-25 17:50:04.748 Infinity sec/hour Infinity % 0 0 0 8 0 1 true 138 0 1 1 9 false true UCD9090 101 GPI OVERT# 21 0 0 UCD9090 101 GPO 3.3V1\_PG 14 0 0 UCD9090 101 GPO POR# 22 0 0 UCD9090 101 GPO 3.3V2\_PG 11 0 0 UCD9090 101 GPI OVERT# 0 0 0 UCD9090 101 GPO Vin\_PG 13 0 0 UCD9090 52 STATIC-GPO Command GPO #9 1 0 0 UCD9090 52 STATIC-GPO Command GPO #10 2 0 0 UCD9090 52 STATIC-GPO Command GPO #11 3 0 0 UCD9090 52 GPO Logic GPO #1 10 0 0 UCD9090 52 GPO PWR\_SEQ\_DONE 21 0 0 UCD9090 52 GPO SYS\_RST\_PRE\_BUF\_L 20 0 0 UCD9090 104 GPI MAIN\_POWER\_START 8 0 0 UCD9090 104 GPI SOC\_POWER\_START 9 0 0 UCD9090 104 GPO MAIN\_POWER\_GOOD 20 0 0 UCD9090 104 GPO SOC\_POWER\_GOOD\_R 21 0 0 UCD9090 104 GPO Logic GPO #1 15 0 0 UCD9090 104 GPO Logic GPO #3 16 0 0 UCD9090 104 PWM PWM #2 0 0 0 UCD9090 104 PWM PWM #1 4 0 0 UCD9090 101 RAIL Vin 0 None 1 0 0 0 UCD9090 101 RAIL 3.3V1 1 None 1 0 0 0 UCD9090 101 RAIL 3.3V2 2 None 1 0 0 0 UCD9090 101 RAIL 3.3V3 3 None 1 0 0 0 UCD9090 101 RAIL 4 None 1 0 0 0 UCD9090 101 RAIL 5 None 1 0 0 0 UCD9090 101 RAIL 6 None 1 0 0 0 UCD9090 101 RAIL 7 None 1 0 0 0 UCD9090 101 RAIL 8 None 1 0 0 0 UCD9090 101 RAIL 9 None 1 0 0 0 UCD9090 52 RAIL MON1\_V\_12V 0 None 1 0 0 0 UCD9090 52 RAIL MON2\_V\_5V 1 None 1 0 0 0 UCD9090 52 RAIL MON3\_V\_3.3V 2 None 1 0 0 0 UCD9090 52 RAIL MON4\_V\_1.8V 3 None 1 0 0 0 UCD9090 52 RAIL MON5\_V\_1.8V\_GROUP2 4 None 1 0 0 0 UCD9090 52 RAIL MON6\_V\_1.5V 5 None 1 0 0 0 UCD9090 52 RAIL MON7\_V\_1.1V 6 None 1 0 0 0 UCD9090 52 RAIL 7 None 1 0 0 0 UCD9090 52 RAIL 8 None 1 0 0 0 UCD9090 52 RAIL 9 None 1 0 0 0 UCD9090 104 RAIL VCC3V3\_AUX 0 None 1 0 0 0 UCD9090 104 RAIL VCC1V8 1 None 1 0 0 0 UCD9090 104 RAIL CVDD1 2 None 1 0 0 0 UCD9090 104 RAIL CVDD 3 None 1 0 0 0 UCD9090 104 RAIL VCC0V85 4 None 1 0 0 0 UCD9090 104 RAIL VCC1V5 5 None 1 0 0 0 UCD9090 104 RAIL VCC0V75 6 None 1 0 0 0 UCD9090 104 RAIL VCC5 7 None 1 0 0 0 UCD9090 104 RAIL USB\_VBUS\_EN 8 None 1 0 0 0 UCD9090 104 RAIL VDD3V3 9 None 1 0 0 0 VTrack on UCD9240 @ 75 VTrack on UCD9240 @ 75 0 0 1 0.1 4 0 4 1 VTrack on UCD9220 @ 25 VTrack on UCD9220 @ 25 0 0 1 0 4 0 4 1 VTrack on UCD9224 @ 25 VTrack on UCD9224 @ 25 0 0 3.3 0 4.4 0 10 1 VTrack on UCD9224 @ 37 VTrack on UCD9224 @ 37 0 0 1 0 4 0 4 1 VTrack on UCD9246 @ 126 VTrack on UCD9246 @ 126 0 0 1 0 4 0 4 1 VTrack on UCD9212 @ 57 VTrack on UCD9212 @ 57 0 0 2.5 2 11 6 12.5 1 VTrack on UCD9211 @ 57 VTrack on UCD9211 @ 57 0 0 2.5 2 5 2 10 1 VTrack on UCD9240 @ 49 VTrack on UCD9240 @ 49 0 0 1 0 4 0 4 1 VTrack on UCD9246 @ 78 VTrack on UCD9246 @ 78 0 0 2.5 0 4 0 4 1 VTrack on UCD9248 @ 78 VTrack on UCD9248 @ 78 0 0 1 0 4 0 4 1 VTrack on UCD9248 @ 25 VTrack on UCD9248 @ 25 0 0 1 0.5 5 0 4 1 VTrack on UCD9248 @ 91 VTrack on UCD9248 @ 91 0 0 2.5 100 50 5 5 1 VTrack on UCD9222 @ 79 VTrack on UCD9222 @ 79 0 0 1.5 0 4 0 4 1 VTrack on UCD9224 @ 63 VTrack on UCD9224 @ 63 0 0 1 0 4 0 4 1 VTrack on UCD9224 @ 103 VTrack on UCD9224 @ 103 0 0 1 0 4 0 4 1 VTrack on UCD9240 @ 25 VTrack on UCD9240 @ 25 0 0 1 0 4 0 4 1 VTrack on UCD9240 @ 52 VTrack on UCD9240 @ 52 0 0 1 0 4 0 4 1 VTrack on UCD9220 @ 78 VTrack on UCD9220 @ 78 0 0 1 0 4 0 4 1 VTrack on UCD9248 @ 52 VTrack on UCD9248 @ 52 0 0 1 0 4 0 4 1 VTrack on UCD9244 @ 126 VTrack on UCD9244 @ 126 0 0 1 0 4 0 4 1 VTrack on UCD9246 @ 113 VTrack on UCD9246 @ 113 0 0 1 0 4 0 4 1 VTrack on UCD9240 @ 81 VTrack on UCD9240 @ 81 0 0 1.2 0 0 0 0 1 VTrack on UCD9222 @ 126 VTrack on UCD9222 @ 126 0 0 1 0 5 0 5 1 VTrack on UCD9240 @ 126 VTrack on UCD9240 @ 126 0 0 1.5 2 6 2 6 1 VTrack on UCD9222 @ 78 VTrack on UCD9222 @ 78 0 0 1 0 4 0 4 1 VTrack on UCD9246E @ 75 VTrack on UCD9246E @ 75 0 0 1 0 4 0 4 1 VTrack on UCD9125 @ 27 VTrack on UCD9125 @ 27 0 0 1 0 4 0 4 1 AVSO\_VREF AVSO\_VREF 0 0 1.05 9 2 0 5 1 VTrack on UCD9244 @ 60 VTrack on UCD9244 @ 60 0 0 1 0 4 0 4 1 VTrack on UCD9224 @ 104 VTrack on UCD9224 @ 104 0 0 1 0 4 0 4 1 garp garp 0 0 1 0 10 0 4 1 Ext Rail #1 Ext Rail #1 0 0 1 0 6 0 4 1 2.5V 2.5V 0 0 2.5 0 20 0 4 1 VTrack on UCD9246 @ 126d VTrack on UCD9246 @ 126d 0 0 2 0 20 0 2 1 Ext Rail #2 Ext Rail #2 0 0 1 0 50 0 4 1 VTrack on UCD9240-80 @ 78 VTrack on UCD9240-80 @ 78 0 0 1 0 4 0 4 1 VTrack on UCD9246 @ 30d VTrack on UCD9246 @ 30d 0 0 1 0 4 0 4 1 true