

Command	UCD9222@78[1]	UCD9222@78[2]
Category: Calibration		
Rail: Common		
IIN_SCALE_MONITOR	0.000 Ω	0.000 Ω
VIN_SCALE	0.148	0.148
Rail: Rail #1		
THERMAL_COEFF	0.000 %/°C	0.000 %/°C
VOUT_CAL_MONITOR	0.000 V	0.000 V
VOUT_CAL_OFFSET	0.000 V	0.000 V
VOUT_SCALE_LOOP	1.000	1.000
VOUT_SCALE_MONITOR	1.000	1.000
IOUT_CAL_GAIN_1	133.3 m Ω	133.3 m Ω
IOUT_CAL_OFFSET_1	0.000000 A	0.000000 A
TEMPERATURE_CAL_GAIN_1	100.0 °C/V	100.0 °C/V
TEMPERATURE_CAL_OFFSET_1	-47.00 °C	-47.00 °C
Rail: Rail #2		
THERMAL_COEFF	0.000 %/°C	0.000 %/°C
VOUT_CAL_MONITOR	0.000 V	0.000 V
VOUT_CAL_OFFSET	0.000 V	0.000 V
VOUT_SCALE_LOOP	1.000	1.000
VOUT_SCALE_MONITOR	1.000	1.000
IOUT_CAL_GAIN_1	133.3 m Ω	133.3 m Ω
IOUT_CAL_OFFSET_1	0.000000 A	0.000000 A
TEMPERATURE_CAL_GAIN_1	100.0 °C/V	100.0 °C/V
TEMPERATURE_CAL_OFFSET_1	-47.00 °C	-47.00 °C
Category: Configuration		
Rail: Common		
VOUT_MODE	EXP -12	EXP -12
IC_DEVICE_ID	0x554344393232322D3438 (UCD9222)	0x554344393232322D3438 (UCD9222)
IC_DEVICE_REV	0x362E342E302E31323734377C31303132313500	0x362E342E302E31323734377C31303132313500
PHASE_INFO	Rail #1: 1 Phase: 1A; Rail #2: 1 Phase: 2A; Rail #3: Not Configured; Rail #4: Not Configured	Rail #1: 1 Phase: 1A; Rail #2: 1 Phase: 2A; Rail #3: Not Configured; Rail #4: Not Configured

Command	UCD9222@78[1]	UCD9222@78[2]
SYNC_CONFIG	Sync Output Source: None; Rail #1: Trigger Source=None, Delay=0%; Rail #2: Trigger Source=DPWM1, Delay=19.921875%; Rail #3: Trigger Source=None, Delay=0%; Rail #4: Trigger Source=None, Delay=0%	Sync Output Source: None; Rail #1: Trigger Source=None, Delay=0%; Rail #2: Trigger Source=DPWM1, Delay=19.921875%; Rail #3: Trigger Source=None, Delay=0%; Rail #4: Trigger Source=None, Delay=0%
VID_CODE_RAIL1	0	0
VID_CODE_RAIL2	0	0
Rail: Rail #1		
CLA_GAINS_BANK_0	B1=[0.00000 0.00000 0.00098] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]	B1=[0.00000 0.00000 0.00098] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]
CLA_GAINS_BANK_1	B1=[0.00000 0.00000 0.00098] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]	B1=[0.00000 0.00000 0.00098] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]
CLA_GAINS_BANK_2	B1=[0.00000 0.00000 0.00000] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=1 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]	B1=[0.00000 0.00000 0.00000] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=1 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]
DRIVER_CONFIG	DPWM Shutdown Action: TriState, Fault Pin On Restart Mode: IgnoreFaultPin, Interrupt Pin Polarity: ActiveHigh	DPWM Shutdown Action: TriState, Fault Pin On Restart Mode: IgnoreFaultPin, Interrupt Pin Polarity: ActiveHigh
DRIVER_MIN_PULSE	20 ns	20 ns
EADC_SAMPLE_TRIGGER	228 ns	228 ns
FREQUENCY_SWITCH	670.0 kHz	670.0 kHz
LIGHT_LOAD_CONFIG	CLA Gain Control: NormalLoad; Phase Control: NormalLoad; Num Light Load Phases: 1	CLA Gain Control: NormalLoad; Phase Control: NormalLoad; Num Light Load Phases: 1
LIGHT_LOAD_LIMIT_HIGH	0.000 A	0.000 A
LIGHT_LOAD_LIMIT_LOW	0.000 A	0.000 A
MAX_DUTY	99.0 %	99.0 %
PHASE_DROP_CAL	1.000	1.000
PHASE_ENABLE	Phases Enabled: #1	Phases Enabled: #1
SMBALERT_MASK_CML	<EMPTY>	<EMPTY>
SMBALERT_MASK_INPUT	<EMPTY>	<EMPTY>
SMBALERT_MASK_IOUT	<EMPTY>	<EMPTY>
SMBALERT_MASK_MFR_SPECIFIC	<EMPTY>	<EMPTY>
SMBALERT_MASK_OTHER	<EMPTY>	<EMPTY>
SMBALERT_MASK_TEMPERATURE	<EMPTY>	<EMPTY>
SMBALERT_MASK_VOUT	<EMPTY>	<EMPTY>
TRACKING_MODE	Off	Off

Command	UCD9222@78[1]	UCD9222@78[2]
TRACKING_SCALE_MONITOR	1.000	1.000
VID_CONFIG	Format: Ignore, Vout Low: 0.000V, Vout High: 0.000V, Lockout Interval: 0 msec	Format: Ignore, Vout Low: 0.000V, Vout High: 0.000V, Lockout Interval: 0 msec
VOUT_COMMAND	1.000 V	1.000 V
VOUT_MARGIN_HIGH	1.050 V	1.050 V
VOUT_MARGIN_LOW	0.950 V	0.950 V
VOUT_MAX	1.200 V	1.200 V
VOUT_TRANSITION_RATE	0.250 mV/μs	0.250 mV/μs
Rail: Rail #2		
CLA_GAINS_BANK_0	B1=[0.42285 -0.76953 0.34863] A1=[1.00000 -1.22852 0.22852] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-4.00,3.00,4.00] Gains=[1.00,1.00,1.00,1.00,1.00]	B1=[0.42285 -0.76953 0.34863] A1=[1.00000 -1.22852 0.22852] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-4.00,3.00,4.00] Gains=[1.00,1.00,1.00,1.00,1.00]
CLA_GAINS_BANK_1	B1=[0.42285 -0.76953 0.34863] A1=[1.00000 -1.22852 0.22852] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-4.00,3.00,4.00] Gains=[2.00,1.75,1.00,1.75,2.00]	B1=[0.42285 -0.76953 0.34863] A1=[1.00000 -1.22852 0.22852] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=4 Limits=[-5.00,-4.00,3.00,4.00] Gains=[2.00,1.75,1.00,1.75,2.00]
CLA_GAINS_BANK_2	B1=[0.00000 0.00000 0.00000] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=1 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]	B1=[0.00000 0.00000 0.00000] A1=[1.00000 -1.00000 0.00000] B2=[1.00000 0.00000] A2=[1.00000 0.00000] AFE_Gain=1 Limits=[-5.00,-3.00,3.00,5.00] Gains=[1.00,1.00,1.00,1.00,1.00]
DRIVER_CONFIG	DPWM Shutdown Action: TriState, Fault Pin On Restart Mode: IgnoreFaultPin, Interrupt Pin Polarity: ActiveHigh	DPWM Shutdown Action: TriState, Fault Pin On Restart Mode: IgnoreFaultPin, Interrupt Pin Polarity: ActiveHigh
DRIVER_MIN_PULSE	20 ns	20 ns
EADC_SAMPLE_TRIGGER	228 ns	228 ns
FREQUENCY_SWITCH	670.0 kHz	670.0 kHz
LIGHT_LOAD_CONFIG	CLA Gain Control: NormalLoad; Phase Control: NormalLoad; Num Light Load Phases: 1	CLA Gain Control: NormalLoad; Phase Control: NormalLoad; Num Light Load Phases: 1
LIGHT_LOAD_LIMIT_HIGH	0.000 A	0.000 A
LIGHT_LOAD_LIMIT_LOW	0.000 A	0.000 A
MAX_DUTY	99.0 %	99.0 %
PHASE_DROP_CAL	1.000	1.000
PHASE_ENABLE	Phases Enabled: #1	Phases Enabled: #1
SMBALERT_MASK_CML	<EMPTY>	<EMPTY>
SMBALERT_MASK_INPUT	<EMPTY>	<EMPTY>
SMBALERT_MASK_IOUT	<EMPTY>	<EMPTY>
SMBALERT_MASK_MFR_SPECIFIC	<EMPTY>	<EMPTY>
SMBALERT_MASK_OTHER	<EMPTY>	<EMPTY>

Command	UCD9222@78[1]	UCD9222@78[2]
SMBALERT_MASK_TEMPERATURE	<EMPTY>	<EMPTY>
SMBALERT_MASK_VOUT	<EMPTY>	<EMPTY>
TRACKING_MODE	Off	Off
TRACKING_SCALE_MONITOR	1.000	1.000
VID_CONFIG	Format: Ignore, Vout Low: 0.000V, Vout High: 0.000V, Lockout Interval: 0 msec	Format: Ignore, Vout Low: 0.000V, Vout High: 0.000V, Lockout Interval: 0 msec
VOUT_COMMAND	1.000 V	1.000 V
VOUT_MARGIN_HIGH	1.050 V	1.050 V
VOUT_MARGIN_LOW	0.950 V	0.950 V
VOUT_MAX	1.200 V	1.200 V
VOUT_TRANSITION_RATE	0.250 mV/μs	0.250 mV/μs
Category: Limits		
Rail: Common		
VIN_OFF	5.000 V	5.000 V
VIN_ON	6.000 V	6.000 V
VIN_OV_FAULT_LIMIT	16.500 V	16.500 V
VIN_OV_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
VIN_OV_WARN_LIMIT	15.000 V	15.000 V
VIN_UV_FAULT_LIMIT	0.000 V	0.000 V
VIN_UV_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
VIN_UV_WARN_LIMIT	7.797 V	7.797 V
Rail: Rail #1		
FAST_OC_FAULT_LIMIT	15.000 A/Phase	15.000 A/Phase
IOUT_OC_FAULT_LIMIT	13.000 A	13.000 A
IOUT_OC_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
IOUT_OC_LV_FAULT_LIMIT	0.870 V	0.870 V
IOUT_OC_LV_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
IOUT_OC_WARN_LIMIT	10.500 A	10.500 A
IOUT_UC_FAULT_LIMIT	-3.297 A	-3.297 A
IOUT_UC_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
OT_FAULT_LIMIT	125 °C	125 °C
OT_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0

Command	UCD9222@78[1]	UCD9222@78[2]
OT_WARN_LIMIT	110 °C	110 °C
VOUT_OV_FAULT_LIMIT	1.150 V	1.150 V
VOUT_OV_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
VOUT_OV_WARN_LIMIT	1.100 V	1.100 V
VOUT_UV_FAULT_LIMIT	0.850 V	0.850 V
VOUT_UV_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
VOUT_UV_WARN_LIMIT	0.900 V	0.900 V
Rail: Rail #2		
FAST_OC_FAULT_LIMIT	15.000 A/Phase	15.000 A/Phase
IOUT_OC_FAULT_LIMIT	13.000 A	13.000 A
IOUT_OC_FAULT_RESPONSE	Response=3,Restart=0,Delay=0	Response=3,Restart=0,Delay=0
IOUT_OC_LV_FAULT_LIMIT	0.870 V	0.870 V
IOUT_OC_LV_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
IOUT_OC_WARN_LIMIT	10.500 A	10.500 A
IOUT_UC_FAULT_LIMIT	-3.297 A	-3.297 A
IOUT_UC_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
OT_FAULT_LIMIT	125 °C	125 °C
OT_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
OT_WARN_LIMIT	110 °C	110 °C
VOUT_OV_FAULT_LIMIT	1.150 V	1.150 V
VOUT_OV_FAULT_RESPONSE	Response=2,Restart=0,Delay=0	Response=2,Restart=0,Delay=0
VOUT_OV_WARN_LIMIT	1.100 V	1.100 V
VOUT_UV_FAULT_LIMIT	0.850 V	0.850 V
VOUT_UV_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
VOUT_UV_WARN_LIMIT	0.900 V	0.900 V
Category: Manufacturer		
Rail: Common		
CAPABILITY	Max Bus: 400 Khz; PEC: Yes; SMBALERT#: Yes	Max Bus: 400 Khz; PEC: Yes; SMBALERT#: Yes
DEVICE_ID	UCD9222-48 6.4.0.12747 101215	UCD9222-48 6.4.0.12747 101215
MFR_DATE	YYMMDD	YYMMDD
MFR_ID	MFR_ID	MFR_ID
MFR_LOCATION	MFR_LOCATION	MFR_LOCATION

Command	UCD9222@78[1]	UCD9222@78[2]
MFR_MODEL	MFR_MODEL	MFR_MODEL
MFR_REVISION	MFR_REVISION	MFR_REVISION
MFR_SERIAL	000000	000000
PMBUS_REVISION	1.1,1.2 - Part I: 1.1, Part II: 1.2	1.1,1.2 - Part I: 1.1, Part II: 1.2
SECURITY_BIT_MASK	No commands write protected	No commands write protected
Category: OnOff		
Rail: Rail #1		
ON_OFF_CONFIG	Mode: CONTROL Pin Only; Control: Active High, Use TOFF_DELAY/TOFF_FALL	Mode: CONTROL Pin Only; Control: Active High, Use TOFF_DELAY/TOFF_FALL
OPERATION	Unit: ImmediateOff; Margin: None	Unit: ImmediateOff; Margin: None
POWER_GOOD_OFF	0.850 V	0.850 V
POWER_GOOD_ON	0.950 V	0.950 V
TOFF_DELAY	0.0 ms	0.0 ms
TOFF_FALL	4.0 ms	4.0 ms
TOFF_MAX_WARN_LIMIT	<No Limit>	<No Limit>
TON_DELAY	0.0 ms	0.0 ms
TON_MAX_FAULT_LIMIT	<No Limit>	<No Limit>
TON_MAX_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
TON_RISE	4.0 ms	4.0 ms
Rail: Rail #2		
ON_OFF_CONFIG	Mode: CONTROL Pin Only; Control: Active High, Use TOFF_DELAY/TOFF_FALL	Mode: CONTROL Pin Only; Control: Active High, Use TOFF_DELAY/TOFF_FALL
OPERATION	Unit: ImmediateOff; Margin: None	Unit: ImmediateOff; Margin: None
POWER_GOOD_OFF	0.850 V	0.850 V
POWER_GOOD_ON	0.950 V	0.950 V
TOFF_DELAY	0.0 ms	0.0 ms
TOFF_FALL	4.0 ms	4.0 ms
TOFF_MAX_WARN_LIMIT	<No Limit>	<No Limit>
TON_DELAY	0.0 ms	0.0 ms
TON_MAX_FAULT_LIMIT	<No Limit>	<No Limit>
TON_MAX_FAULT_RESPONSE	Response=0,Restart=0,Delay=0	Response=0,Restart=0,Delay=0
TON_RISE	4.0 ms	4.0 ms
Category: Status		

Command	UCD9222@78[1]	UCD9222@78[2]
Rail: Common		
LOGGED_FAULTS	Common: LOG_NOT_EMPTY; Rail #1: IOUT_OC,CLF; Rail #2: CLF	Common: <EMPTY>; Rail #1: <EMPTY>; Rail #2: <EMPTY>
LOGGED_PEAKS	Internal Temp: 57 °C External Temps O1A: 114 °C O1B: 71 °C O2A: 0 °C O2B: 0 °C O3A: 0 °C O3B: 0 °C O4A: 0 °C O4B: 0 °C Current Rail #1: 13.02 A Rail #2: 0.00 A	Internal Temp: 28 °C External Temps O1A: 27 °C O1B: 31 °C O2A: 0 °C O2B: 0 °C O3A: 0 °C O3B: 0 °C O4A: 0 °C O4B: 0 °C Current Rail #1: 0.00 A Rail #2: 0.00 A
READ_AUX_ADCS	ADC 1: 0.92674 V [0x5EE6]; ADC 2: 0.90782 V [0x5CF6]; ADC 3: 0.72247 V [0x49FB]; ADC 4: 0.72247 V [0x49FB]	ADC 1: 0.74848 V [0x4CA5]; ADC 2: 0.79094 V [0x50FE]; ADC 3: 0.72247 V [0x49FB]; ADC 4: 0.72247 V [0x49FB]
READ_IIN	0.00 A	0.00 A
READ_PIN	0.00 W	0.00 W
READ_TEMPERATURE_1	33 °C	29 °C
READ_VIN	10.234 V	10.375 V
READ_VTRACK_REG	1.766 V	1.743 V
STATUS_BYTE	<EMPTY>	OFF
STATUS_CML	<EMPTY>	<EMPTY>
STATUS_OTHER	<EMPTY>	<EMPTY>
STATUS_WORD	<EMPTY>	OFF,POWER_GOOD
Rail: Rail #1		
READ_DUTY_CYCLE	8.3 %	0.0 %
READ_POUT	1.44 W	0.00 W
READ_VOUT	0.996 V	0.002 V
STATUS_INPUT	<EMPTY>	<EMPTY>
STATUS_IOUT	<EMPTY>	<EMPTY>
STATUS_MFR_SPECIFIC	<EMPTY>	<EMPTY>
STATUS_TEMPERATURE	<EMPTY>	<EMPTY>
STATUS_VOUT	<EMPTY>	<EMPTY>
READ_IOUT_1	1.45 A	0.00 A
READ_TEMPERATURE_2_1	46 °C	28 °C
Rail: Rail #2		
READ_DUTY_CYCLE	7.9 %	0.0 %
READ_POUT	1.31 W	0.00 W
READ_VOUT	1.010 V	0.277 V
STATUS_INPUT	<EMPTY>	<EMPTY>
STATUS_IOUT	<EMPTY>	<EMPTY>

Command	UCD9222@78[1]	UCD9222@78[2]
STATUS_MFR_SPECIFIC	<EMPTY>	<EMPTY>
STATUS_TEMPERATURE	<EMPTY>	<EMPTY>
STATUS_VOUT	<EMPTY>	<EMPTY>
READ_IOUT_1	1.28 A	0.00 A
READ_TEMPERATURE_2_1	44 °C	32 °C
Category: User		
Rail: Common		
USER_DATA_00	User_Data_00	User_Data_00