

Battery Management Studio (bqStudio) 1.3.54.1

File View AutoCycle Window Help

Charger Registers Data Memory Registers Commands FOD Resistor Calibration

Calibration Calibration bq78350 Calibration Calibration bq78350_R1 Authentication

Authentication Seal_Unseal Advanced Comm SMB Advanced Comm Chemistry One Time Programmable Memory Field Programmer Firmware

WPK Srec to FlashStream HDQ I2C To HDQ GPCPackager Watch Watch Data Graph Data Graph Errors

Battery Management Studio Perspective

DashBoard Registers Calibration

Auto Refresh is ON - Click to T
bqStudio Version: 1.3.54.1

EV2400
Version:0

SMB

bq40z50R
4500_1_00
Addr: 0x1
30.4 degC

12523 mV
100%

Registers

Start Log Scan Refresh

Commands

DEVICE_NUMBER
HW_VERSION

Registers

Name	Value	Units
Current	0	mA
Average Current	0	mA
Max Error	3	%
Relative State of Charge	100	%
Absolute State of Charge	97	%
Remaining Capacity	6453	mAh
Full charge Capacity	6453	mAh
Run time To Empty	65535	min
Average Time to Empty	65535	min
Average Time to Full	65535	min

Initial E
True Full Chg Q
True Full Chg E
T_sim
T_ambient
Cell 1 RaScale
Cell 2 RaScale
Cell 3 RaScale
Cell 4 RaScale
Cell 1 CompRes

RSOC=100%
But "FC" status is disabled

Bit Registers

Name	Value	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Battery Mo...	0x6001	CapM	ChgM	AM	RSVD	RSVD	RSVD	PB	CC
Battery Mo...	CF	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	PBS	ICC
Battery Sta...	0x00C0	OCA	TCA	RSVD	OTA	TDA	RSVD	RCA	RTA
Battery Sta...	INIT	DSG	FC	FD	EC3	EC2	EC1	EC0	
Operation ...	0x0187	SLEEP	XCHG	XDSG	PF	SS	SDV	SEC1	SEC0
Operation ...	BTP_INT	RSVD	FUSE	RSVD	PCHG	CHG	DSG	PRES	
Operation ...	0x0000	RSVD	PSSHUT	EMSHUT	CB	SLPCC	SLPAD	SMBLCAL	INIT
Operation ...	SLEEPM	XL	CAL_OFFSET	CAL	AUTOCALM	AUTH	LED	SDM	
Temp Rang...	0x20	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD
Temp Rang...	RSVD	OT	HT	STH	RT	STL	LT	UT	
Charging St...	0x0014	RSVD	RSVD	RSVD	RSVD	RSVD	CCC	CVR	CCR
Charging St...	VCT	MCHG	SU	IN	HV	MV	LV	PV	
Gauging St...	0x50	CF	DSG	EDV	BAL_EN	TC	TD	FC	FD
IT Status (h...	0x0100	RSVD	RSVD	RSVD	OCVFR	LDMD	RX	QMAX	VDQ
IT Status (l...	NSFM	RSVD	SLPQMAX	QEN	VOK	RDIS	RSVD	REST	
Manufactur...	0x0210	CAL_EN	LT_TEST	RSVD	RSVD	RSVD	RSVD	LED_EN	FUSE_EN
Manufactur...	BBR_EN	PF_EN	LF_EN	FET_EN	GAUGE_EN	DSG_TEST	CHG_TEST	PCHG_TEST	

Log Panel Clear Log

Transaction Log

Name	Cmd	Res
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TEXAS INSTRUMENTS

