

* Texas Instruments Data Flash File				
* File created Tue Apr 23 09:43:47 2019				
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* Device Number 100				
* Firmware Version 0.16				
* Build Number not available				
* Order Number not available				
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* bqz Device Number 100				
* bqz Firmware Version 0.16				
* bqz Build Number 17				
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* Field Order: Clas	Subclass name	Parameter name	Parameter Value	Display Units
Configuration	Safety	OT Chg	55	1degC
Configuration	Safety	OT Chg Time	2	Seconds
Configuration	Safety	OT Chg Recovery	50	1degC
Configuration	Safety	OT Dsg	60	1degC
Configuration	Safety	OT Dsg Time	2	Seconds
Configuration	Safety	OT Dsg Recovery	55	1degC
Configuration	Charge Inhibit Cfg	Chg Inhibit Temp Low	0	1degC
Configuration	Charge Inhibit Cfg	Chg Inhibit Temp High	45	1degC
Configuration	Charge Inhibit Cfg	Temp Hys	5	1degC
Configuration	Charge	Suspend Low Temp	-5	1degC
Configuration	Charge	Suspend High Temp	55	1degC
Configuration	Charge	Pb EFF Efficiency	100	%
Configuration	Charge	Pb Temp Comp	24.96	%
Configuration	Charge	Pb Drop Off Percent	96	%
Configuration	Charge	Pb Reduction Rate	10	%
Configuration	Charge Termination	Taper Current	40	mAmp
Configuration	Charge Termination	Min Taper Capacity	25	mAmpHr
Configuration	Charge Termination	Cell Taper Voltage	100	mVolt
Configuration	Charge Termination	Current Taper Window	40	Seconds
Configuration	Charge Termination	TCA Set %	99	Percent
Configuration	Charge Termination	TCA Clear %	95	Percent

Configuration	Charge Termination	FC Set %	100	Percent
Configuration	Charge Termination	FC Clear %	98	Percent
Configuration	Charge Termination	DODatEOC Delta T	10	1degC
Configuration	Charge Termination	NiMH Delta Temp	3	1degC
Configuration	Charge Termination	NiMH Delta Temp Time	180	Seconds
Configuration	Charge Termination	NiMH Hold Off Time	100	Seconds
Configuration	Charge Termination	NiMH Hold Off Current	240	mAmp
Configuration	Charge Termination	NiMH Hold Off Temp	25	1degC
Configuration	Charge Termination	NiMH Cell Negative Delta Volt	17	mVolt
Configuration	Charge Termination	NiMH Cell Negative Delta Time	16	Seconds
Configuration	Charge Termination	NiMH Cell Neg Delta Qual Volt	3600	mVolt
Configuration	Data	Manufacture Date	1/1/1980	Day + Mo*32 + (Yr -1980)*256
Configuration	Data	Serial Number	1	hex
Configuration	Data	Cycle Count	0	Count
Configuration	Data	CC Threshold	27000	mAmpHr
Configuration	Data	Max Error Limit	100	%
Configuration	Data	Design Capacity	30819	MilliAmpHour
Configuration	Data	Design Energy	5400	MilliWattHour
Configuration	Data	SOH Load I	-400	MilliAmp
Configuration	Data	Cell Charge Voltage T1-T2	3600	mV
Configuration	Data	Cell Charge Voltage T2-T3	3600	mV
Configuration	Data	Cell Charge Voltage T3-T4	3600	mV
Configuration	Data	Charge Current T1-T2	10	Percent
Configuration	Data	Charge Current T2-T3	50	Percent
Configuration	Data	Charge Current T3-T4	30	Percent
Configuration	Data	JEITA T1	0	degC
Configuration	Data	JEITA T2	10	degC
Configuration	Data	JEITA T3	45	degC
Configuration	Data	JEITA T4	55	degC
Configuration	Data	Design Energy Scale	1	Number
Configuration	Data	Device Name	bq34z100-G1	-
Configuration	Data	Manufacturer Name	Texas Inst.	-
Configuration	Data	Device Chemistry	LION	-
Configuration	Discharge	SOC1 Set Threshold	150	mAh

Configuration	Discharge	SOC1 Clear Threshold	175	mAh
Configuration	Discharge	SOCF Set Threshold	75	mAh
Configuration	Discharge	SOCF Clear Threshold	100	mAh
Configuration	Discharge	Cell BL Set Volt Threshold	2000	mVolt
Configuration	Discharge	Cell BL Set Volt Time	2	Seconds
Configuration	Discharge	Cell BL Clear Volt Threshold	2100	mVolt
Configuration	Discharge	Cell BH Set Volt Threshold	3700	mVolt
Configuration	Discharge	Cell BH Volt Time	2	Seconds
Configuration	Discharge	Cell BH Clear Volt Threshold	3600	mVolt
Configuration	Discharge	Cycle Delta	0.05	%
Configuration	Manufacturer Data	Pack Lot Code	0	hex
Configuration	Manufacturer Data	PCB Lot Code	0	hex
Configuration	Manufacturer Data	Firmware Version	0	hex
Configuration	Manufacturer Data	Hardware Revision	0	hex
Configuration	Manufacturer Data	Cell Revision	0	hex
Configuration	Manufacturer Data	DF Config Version	0	hex
Configuration	Lifetime Data	Lifetime Max Temp	30	1degC
Configuration	Lifetime Data	Lifetime Min Temp	20	1degC
Configuration	Lifetime Data	Lifetime Max Chg Current	0	mAmp
Configuration	Lifetime Data	Lifetime Max Dsg Current	0	mA
Configuration	Lifetime Data	Lifetime Max Pack Voltage	160	20mV
Configuration	Lifetime Data	Lifetime Min Pack Voltage	175	20mV
Configuration	Lifetime Temp Samples	LT Flash Cnt	0	Count
Configuration	Registers	Pack Configuration	4951	flags
Configuration	Registers	Pack Configuration B	ff	flags
Configuration	Registers	Pack Configuration C	30	flags
Configuration	Registers	LED_Comm Configuration	0	flags
Configuration	Registers	Alert Configuration	0	flags
Configuration	Registers	Number of series cell	4	num
Configuration	Lifetime Resolution	LT Temp Res	1	1degC
Configuration	Lifetime Resolution	LT Cur Res	100	mA
Configuration	Lifetime Resolution	LT V Res	1	20mV
Configuration	Lifetime Resolution	LT Update Time	60	Seconds
Configuration	LED Display	LED Hold Time	4	Num

Configuration	Power	Flash Update OK Cell Volt	3615	mVolt
Configuration	Power	Sleep Current	10	mAmp
Configuration	Power	FS Wait	0	Seconds
System Data	Manufacturer Info	Block A 0	0	hex
System Data	Manufacturer Info	Block A 1	0	hex
System Data	Manufacturer Info	Block A 2	0	hex
System Data	Manufacturer Info	Block A 3	0	hex
System Data	Manufacturer Info	Block A 4	0	hex
System Data	Manufacturer Info	Block A 5	0	hex
System Data	Manufacturer Info	Block A 6	0	hex
System Data	Manufacturer Info	Block A 7	0	hex
System Data	Manufacturer Info	Block A 8	0	hex
System Data	Manufacturer Info	Block A 9	0	hex
System Data	Manufacturer Info	Block A 10	0	hex
System Data	Manufacturer Info	Block A 11	0	hex
System Data	Manufacturer Info	Block A 12	0	hex
System Data	Manufacturer Info	Block A 13	0	hex
System Data	Manufacturer Info	Block A 14	0	hex
System Data	Manufacturer Info	Block A 15	0	hex
System Data	Manufacturer Info	Block A 16	0	hex
System Data	Manufacturer Info	Block A 17	0	hex
System Data	Manufacturer Info	Block A 18	0	hex
System Data	Manufacturer Info	Block A 19	0	hex
System Data	Manufacturer Info	Block A 20	0	hex
System Data	Manufacturer Info	Block A 21	0	hex
System Data	Manufacturer Info	Block A 22	0	hex
System Data	Manufacturer Info	Block A 23	0	hex
System Data	Manufacturer Info	Block A 24	0	hex
System Data	Manufacturer Info	Block A 25	0	hex
System Data	Manufacturer Info	Block A 26	0	hex
System Data	Manufacturer Info	Block A 27	0	hex
System Data	Manufacturer Info	Block A 28	0	hex
System Data	Manufacturer Info	Block A 29	0	hex
System Data	Manufacturer Info	Block A 30	0	hex

System Data	Manufacturer Info	Block A 31	0	hex
Gas Gauging	IT Cfg	Load Select	1	Number
Gas Gauging	IT Cfg	Load Mode	0	Number
Gas Gauging	IT Cfg	Res Current	10	mAmp
Gas Gauging	IT Cfg	Max Res Factor	50	num
Gas Gauging	IT Cfg	Min Res Factor	1	num
Gas Gauging	IT Cfg	Ra Filter	500	num
Gas Gauging	IT Cfg	Min PassedChg NiMH-LA 1st Qmax	50	%
Gas Gauging	IT Cfg	Maximum Qmax Change	100	%
Gas Gauging	IT Cfg	Cell Terminate Voltage	2100	mVolt
Gas Gauging	IT Cfg	Cell Term V Delta	200	mVolt
Gas Gauging	IT Cfg	ResRelax Time	500	Seconds
Gas Gauging	IT Cfg	User Rate-mA	0	MilliAmp
Gas Gauging	IT Cfg	User Rate-Pwr	0	mW/cW
Gas Gauging	IT Cfg	Reserve Cap-mAh	0	MilliAmpHour
Gas Gauging	IT Cfg	Reserve Energy	0	mWh/cWh
Gas Gauging	IT Cfg	Max Scale Back Grid	4	num
Gas Gauging	IT Cfg	Cell Min DeltaV	0	mVolt
Gas Gauging	IT Cfg	Ra Max Delta	15	%
Gas Gauging	IT Cfg	Design Resistance	42	mOhms
Gas Gauging	IT Cfg	Reference Grid	4	-
Gas Gauging	IT Cfg	Qmax Max Delta %	10	mAmpHour
Gas Gauging	IT Cfg	Max Res Scale	32000	Num
Gas Gauging	IT Cfg	Min Res Scale	1	Num
Gas Gauging	IT Cfg	Fast Scale Start SOC	10	%
Gas Gauging	IT Cfg	Charge Hys V Shift	40	mVolt
Gas Gauging	IT Cfg	Smooth Relax Time	1000	s
Gas Gauging	Current Thresholds	Dsg Current Threshold	60	mAmp
Gas Gauging	Current Thresholds	Chg Current Threshold	75	mAmp
Gas Gauging	Current Thresholds	Quit Current	40	mAmp
Gas Gauging	Current Thresholds	Dsg Relax Time	60	Seconds
Gas Gauging	Current Thresholds	Chg Relax Time	60	Seconds
Gas Gauging	Current Thresholds	Cell Max IR Correct	400	mV
Gas Gauging	State	Qmax Cell 0	30819	mAmpHr

Gas Gauging	State	Cycle Count	0	num
Gas Gauging	State	Update Status	4	num
Gas Gauging	State	Cell V at Chg Term	3600	mVolt
Gas Gauging	State	Avg I Last Run	-299	mAmp
Gas Gauging	State	Avg P Last Run	-1131	MilliWattHour
Gas Gauging	State	Cell Delta Voltage	2	mVolt
Gas Gauging	State	T Rise	20	Num
Gas Gauging	State	T Time Constant	1000	Num
Ra Tables	Ra0 Table	Ra Flag	ff55	Hex
Ra Tables	Ra0 Table	Ra 0	5	Num
Ra Tables	Ra0 Table	Ra 1	5	Num
Ra Tables	Ra0 Table	Ra 2	6	Num
Ra Tables	Ra0 Table	Ra 3	5	Num
Ra Tables	Ra0 Table	Ra 4	5	Num
Ra Tables	Ra0 Table	Ra 5	5	Num
Ra Tables	Ra0 Table	Ra 6	6	Num
Ra Tables	Ra0 Table	Ra 7	6	Num
Ra Tables	Ra0 Table	Ra 8	8	Num
Ra Tables	Ra0 Table	Ra 9	9	Num
Ra Tables	Ra0 Table	Ra 10	9	Num
Ra Tables	Ra0 Table	Ra 11	9	Num
Ra Tables	Ra0 Table	Ra 12	9	Num
Ra Tables	Ra0 Table	Ra 13	11	Num
Ra Tables	Ra0 Table	Ra 14	16	Num
Ra Tables	Ra0x Table	Ra Flag	ffff	Hex
Ra Tables	Ra0x Table	Ra 0	5	Num
Ra Tables	Ra0x Table	Ra 1	5	Num
Ra Tables	Ra0x Table	Ra 2	6	Num
Ra Tables	Ra0x Table	Ra 3	5	Num
Ra Tables	Ra0x Table	Ra 4	5	Num
Ra Tables	Ra0x Table	Ra 5	5	Num
Ra Tables	Ra0x Table	Ra 6	6	Num
Ra Tables	Ra0x Table	Ra 7	6	Num
Ra Tables	Ra0x Table	Ra 8	8	Num

Ra Tables	Ra0x Table	Ra 9	9	Num
Ra Tables	Ra0x Table	Ra 10	9	Num
Ra Tables	Ra0x Table	Ra 11	9	Num
Ra Tables	Ra0x Table	Ra 12	9	Num
Ra Tables	Ra0x Table	Ra 13	11	Num
Ra Tables	Ra0x Table	Ra 14	16	Num
Calibration	Data	CC Gain	21.922	mohm
Calibration	Data	CC Delta	21.882	mohm
Calibration	Data	CC Offset	-1417	num
Calibration	Data	Board Offset	0	num
Calibration	Data	Int Temp Offset	0	degC
Calibration	Data	Ext Temp Offset	0	degC
Calibration	Data	Voltage Divider	5000	mVolt
Calibration	Current	Deadband	5	mAmp
Security	Codes	Sealed to Unsealed	36720414	hex
Security	Codes	Unsealed to Full	fffffff	hex
Security	Codes	Authen Key3	1234567	hex
Security	Codes	Authen Key2	89abcdef	hex
Security	Codes	Authen Key1	fedcba98	hex
Security	Codes	Authen Key0	76543210	hex