\* Texas Instruments Data Flash File

\* File created Fri Jun 09 11:02:36 2017

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\* Device Number 100

\* Firmware Version 95.00

\* 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

\*

[Safety(Configuration)]

OT Chg = 1393.8

OT Chg Time = 4

OT Chg Recovery = 537.5

OT Dsg = -0.1

OT Dsg Time = 255

OT Dsg Recovery = 29.1

[Charge Inhibit Cfg(Configuration)]

Chg Inhibit Temp Low = 0

Chg Inhibit Temp High = 45.0

Temp Hys = 5.0

[Charge(Configuration)]

Suspend Low Temp = -5.0

Suspend High Temp = 55.0

Pb EFF Efficiency = 100

Pb Temp Comp = 24.960

Pb Drop Off Percent = 96

Pb Reduction Rate = 10.000

[Charge Termination(Configuration)]

Taper Current = 210

Min Taper Capacity = 25

Cell Taper Voltage = 210

Current Taper Window = 40

TCA Set % = 99

TCA Clear % = 95

FC Set % = 100

FC Clear % = 98

DODatEOC Delta T = 10.0

NiMH Delta Temp = 3.0

NiMH Delta Temp Time = 180

NiMH Hold Off Time = 100

NiMH Hold Off Current = 240

NiMH Hold Off Temp = 25.0

NiMH Cell Negative Delta Volt = 17

NiMH Cell Negative Delta Time = 16

NiMH Cell Neg Delta Qual Volt = 4200

[Data(Configuration)]

Manufacture Date = 1980-1-1

Serial Number = 0001

Cycle Count = 0

CC Threshold = 1890

Max Error Limit = 100

Design Capacity = 2250

Design Energy = 8325

SOH Load I = -400

Cell Charge Voltage T1-T2 = 4200

Cell Charge Voltage T2-T3 = 4200

Cell Charge Voltage T3-T4 = 4100

Charge Current T1-T2 = 10

Charge Current T2-T3 = 50

Charge Current T3-T4 = 30

JEITA T1 = 0

JEITA T2 = 10

JEITA T3 = 45

JEITA T4 = 55

Design Energy Scale = 1

Device Name = bq34z100-G1

Manufacturer Name = Texas Inst.

Device Chemistry = LION

[Discharge(Configuration)]

SOC1 Set Threshold = 150

SOC1 Clear Threshold = 175

SOCF Set Threshold = 75

SOCF Clear Threshold = 100

Cell BL Set Volt Threshold = 2800

Cell BL Set Volt Time = 2

Cell BL Clear Volt Threshold = 2900

Cell BH Set Volt Threshold = 4300

Cell BH Volt Time = 2

Cell BH Clear Volt Threshold = 4200

Cycle Delta = 0.05

[Manufacturer Data(Configuration)]

Pack Lot Code = 0000

PCB Lot Code = 0000

Firmware Version = 0000

Hardware Revision = 0000

Cell Revision = 0000

DF Config Version = 0000

[Lifetime Data(Configuration)]

Lifetime Max Temp = 30.0

Lifetime Min Temp = 20.0

Lifetime Max Chg Current = 2500

Lifetime Max Dsg Current = 10000

Lifetime Max Pack Voltage = 42000

Lifetime Min Pack Voltage = 32000

[Lifetime Temp Samples(Configuration)]

LT Flash Cnt = 0

[Registers(Configuration)]

Pack Configuration = 01d9

Pack Configuration B = af

Pack Configuration C = 37

LED\_Comm Configuration = 00

Alert Configuration = 0000

Number of series cell = 10

[Lifetime Resolution(Configuration)]

LT Temp Res = 1.0

LT Cur Res = 100

LT V Res = 1

LT Update Time = 60

[LED Display(Configuration)]

LED Hold Time = 4

[Power(Configuration)]

Flash Update OK Cell Volt = 4200

Sleep Current = 10

FS Wait = 0

[Manufacturer Info(System Data)]

Block A 0 = 00

Block A 1 = 00

Block A 2 = 00

Block A 3 = 00

Block A 4 = 00

Block A 5 = 00

Block A 6 = 00

Block A 7 = 00

Block A 8 = 00

Block A 9 = 00

Block A 10 = 00

Block A 11 = 00

Block A 12 = 00

Block A 13 = 00

Block A 14 = 00

Block A 15 = 00

Block A 16 = 00

Block A 17 = 00

Block A 18 = 00

Block A 19 = 00

Block A 20 = 00

Block A 21 = 00

Block A 22 = 00

Block A 23 = 00

Block A 24 = 00

Block A 25 = 00

Block A 26 = 00

Block A 27 = 00

Block A 28 = 00

Block A 29 = 00

Block A 30 = 00

Block A 31 = 00

[IT Cfg(Gas Gauging)]

Load Select = 0

Load Mode = 0

Res Current = 10

Max Res Factor = 50

Min Res Factor = 3

Ra Filter = 500

Min PassedChg NiMH-LA 1st Qmax = 50

Maximum Qmax Change = 100

Cell Terminate Voltage = 3200

Cell Term V Delta = 200

ResRelax Time = 500

User Rate-mA = 0

User Rate-Pwr = 0

Reserve Cap-mAh = 0

Reserve Energy = 0

Max Scale Back Grid = 4

Cell Min DeltaV = 0

Ra Max Delta = 15

Design Resistance = 42

Reference Grid = 4

Qmax Max Delta % = 20

Max Res Scale = 32000

Min Res Scale = 1

Fast Scale Start SOC = 10

Charge Hys V Shift = 40

Smooth Relax Time = 1000

[Current Thresholds(Gas Gauging)]

Dsg Current Threshold = 60

Chg Current Threshold = 75

Quit Current = 45

Dsg Relax Time = 60

Chg Relax Time = 60

Cell Max IR Correct = 400

[State(Gas Gauging)]

Qmax Cell 0 = 22500

Cycle Count = 0

Update Status = 00

Cell V at Chg Term = 4200

Avg I Last Run = -299

Avg P Last Run = -1131

Cell Delta Voltage = 2

T Rise = 20

T Time Constant = 1000

[Ra0 Table(Ra Tables)]

Ra Flag = ff55

Ra 0 = 105

Ra 1 = 100

Ra 2 = 113

Ra 3 = 143

Ra 4 = 98

Ra 5 = 97

Ra 6 = 108

Ra 7 = 89

Ra 8 = 86

Ra 9 = 85

Ra 10 = 87

Ra 11 = 90

Ra 12 = 110

Ra 13 = 647

Ra 14 = 1500

[Ra0x Table(Ra Tables)]

Ra Flag = ffff

Ra 0 = 105

Ra 1 = 100

Ra 2 = 113

Ra 3 = 143

Ra 4 = 98

Ra 5 = 97

Ra 6 = 108

Ra 7 = 89

Ra 8 = 86

Ra 9 = 85

Ra 10 = 87

Ra 11 = 90

Ra 12 = 110

Ra 13 = 647

Ra 14 = 1500

[Data(Calibration)]

CC Gain = 10.123

CC Delta = 10.147

CC Offset = -1421

Board Offset = -14

Int Temp Offset = -3.0

Ext Temp Offset = -3.0

Voltage Divider = 5000

[Current(Calibration)]

Deadband = 5

[Codes(Security)]

Sealed to Unsealed = 5

Unsealed to Full = ffffffff

Authen Key3 = 01234567

Authen Key2 = 89abcdef

Authen Key1 = fedcba98

Authen Key0 = 76543210