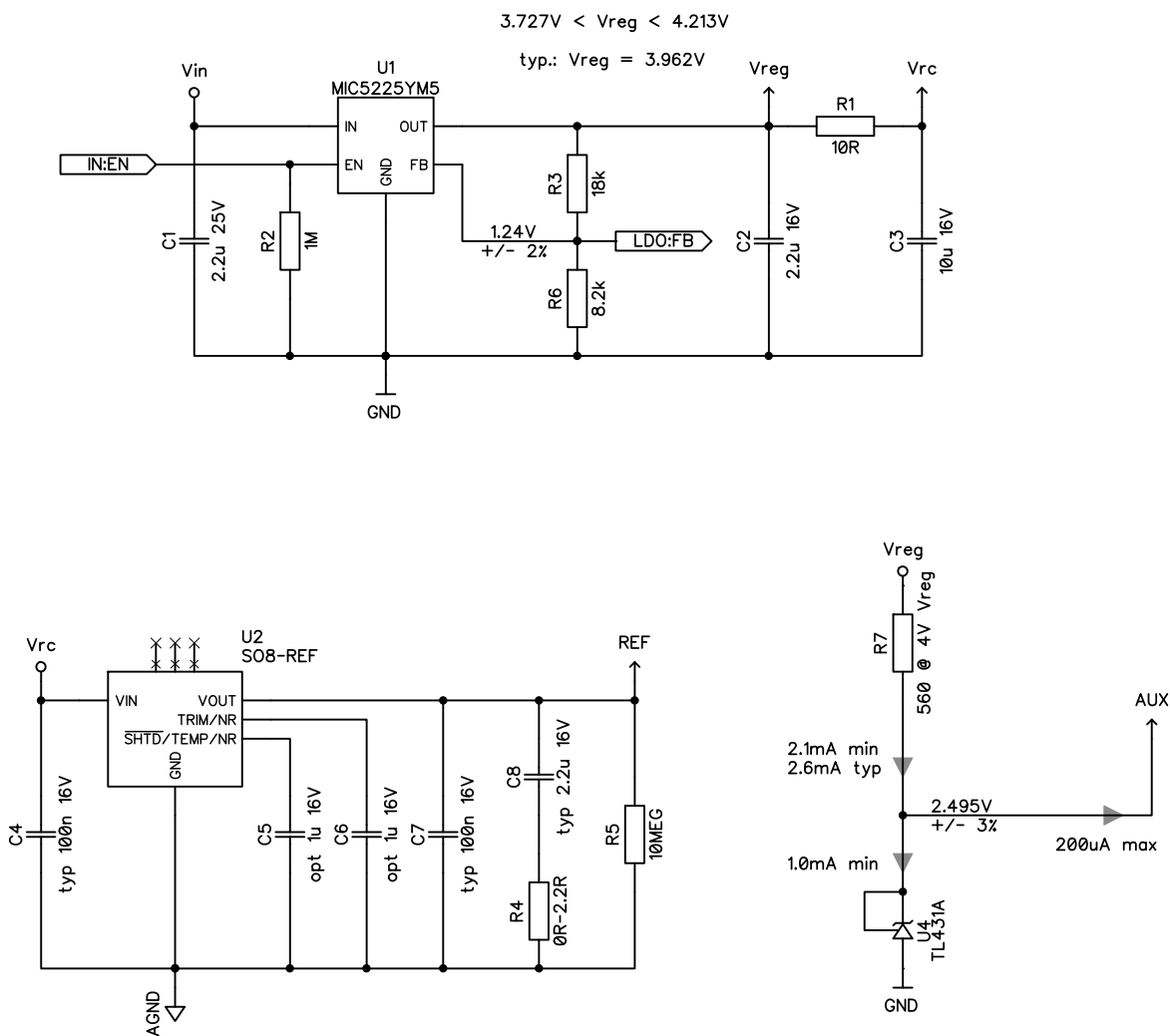


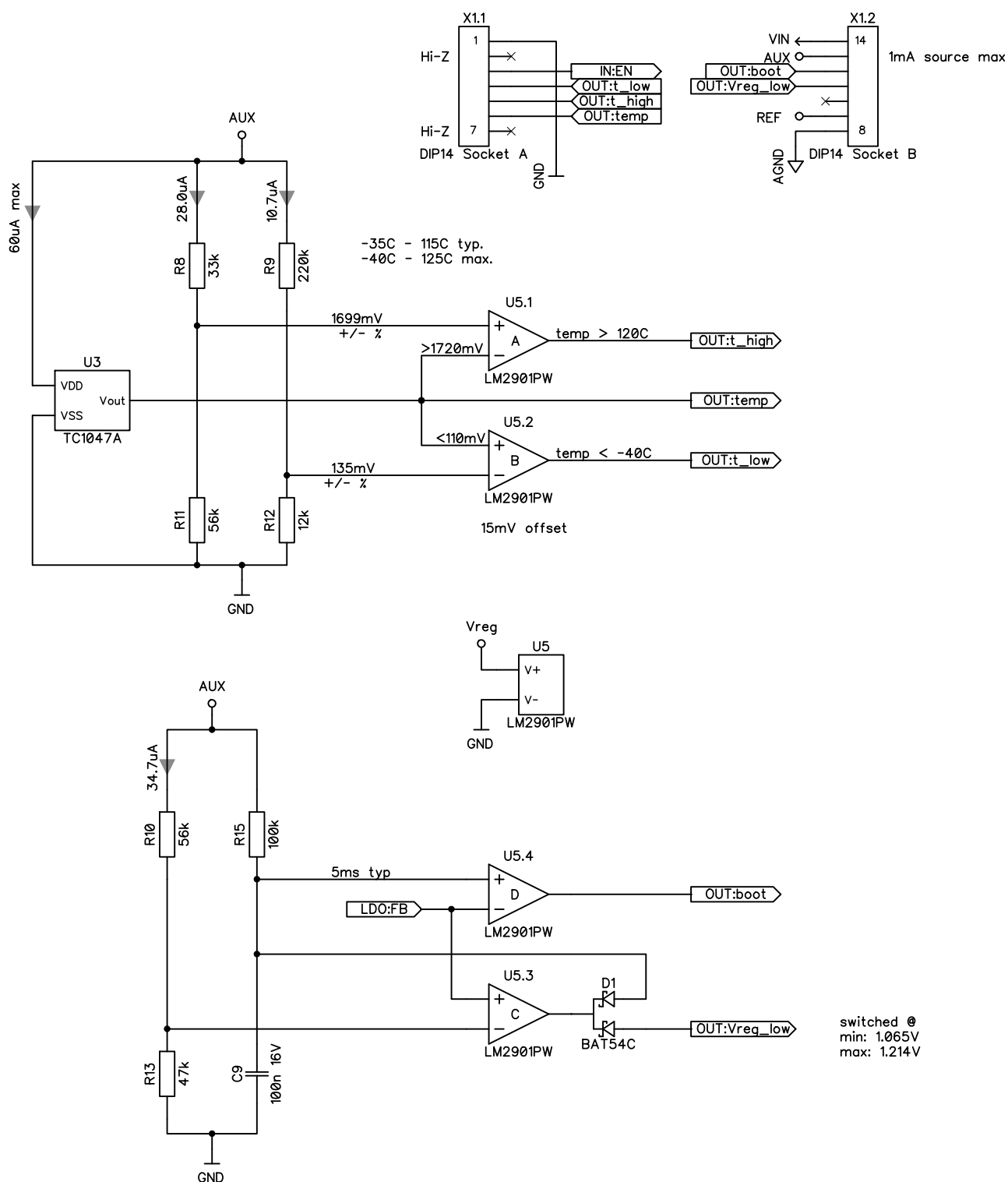
ID	Project Title	Version	Date	Sheet
XF1B	Home Lab Voltage Reference Module	2.2	2016.07.10	1/2



- * voltages and currents without accuracy specifications are ideal values
- * all accuracy details apply from -40C to 125C
- * unless specified all resistors are 1% tol and +/- 100ppm koeff
- * unless specified all capacitors are at X7R and 10% tol.
- * capacitors rated at a higher voltage than stated improve performance slightly

Title	Revision	Changes	Date
Power and Ref	XF1A	version 1.0 (unpublished)	2015.07.12
Author	XF1B	version 2.0 complete redesign:	2016.05.13
nqtronix		- new form factor (DIP 20)	
Description		- temperature sensor with upper and lower limit	
Module for most SOIC-8 series voltage references		- comparator for parameter supervision	
- input voltage up to 16V, protected up to -20/18V		version 2.1 added demo values for ADR4520 Reference	2016.06.20
- reverse insertion protected by design (DIP-14/20)		version 2.2 schematic polished for publishing	2016.07.10
- temperature sensor just below the reference IC			
- open drain outputs for out-of-spec interrupts			
- auxiliary reference allows setting of independent threshold voltages for each parameter			

ID	Project Title	Version	Date	Sheet
XF1B	Home Lab Voltage Reference Module	2.2	2016.07.10	2/2



Title	Revision	Changes	Date
Supervision Circuit	XF1A	version 1.0 (unpublished)	2015.07.12
Author	XF1B	version 2.0 complete redesign:	2016.05.13
nqtronix		- new form factor (DIP 20)	
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Module for most SOIC-8 series voltage references		- comparator for parameter supervision	
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