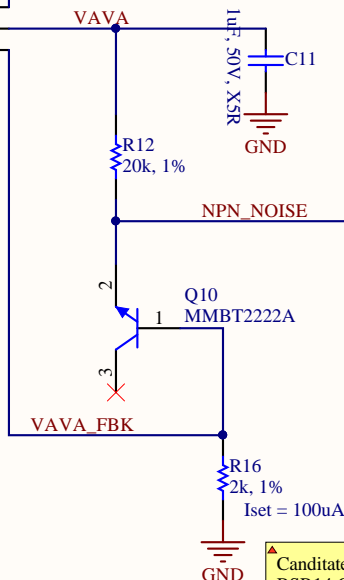
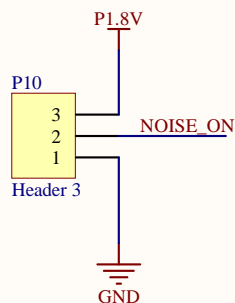
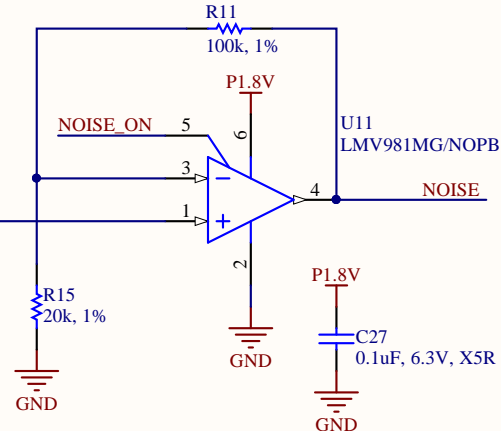
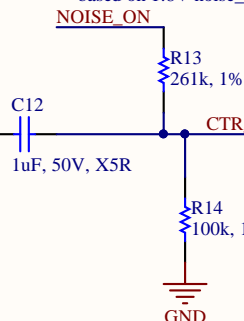


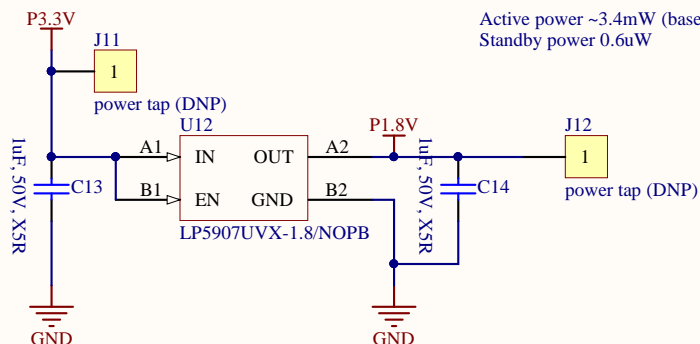
See <https://github.com/betrusted-io/betrusted-wiki/wiki/avalanche-noise-source-notes>



bias @ 0.5V (mid-scale)
based on 1.8V noise_on

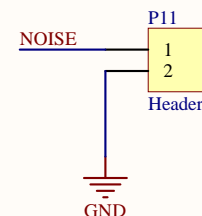


Active power ~3.4mW (based on 13V VAVA)
Standby power 0.6uW



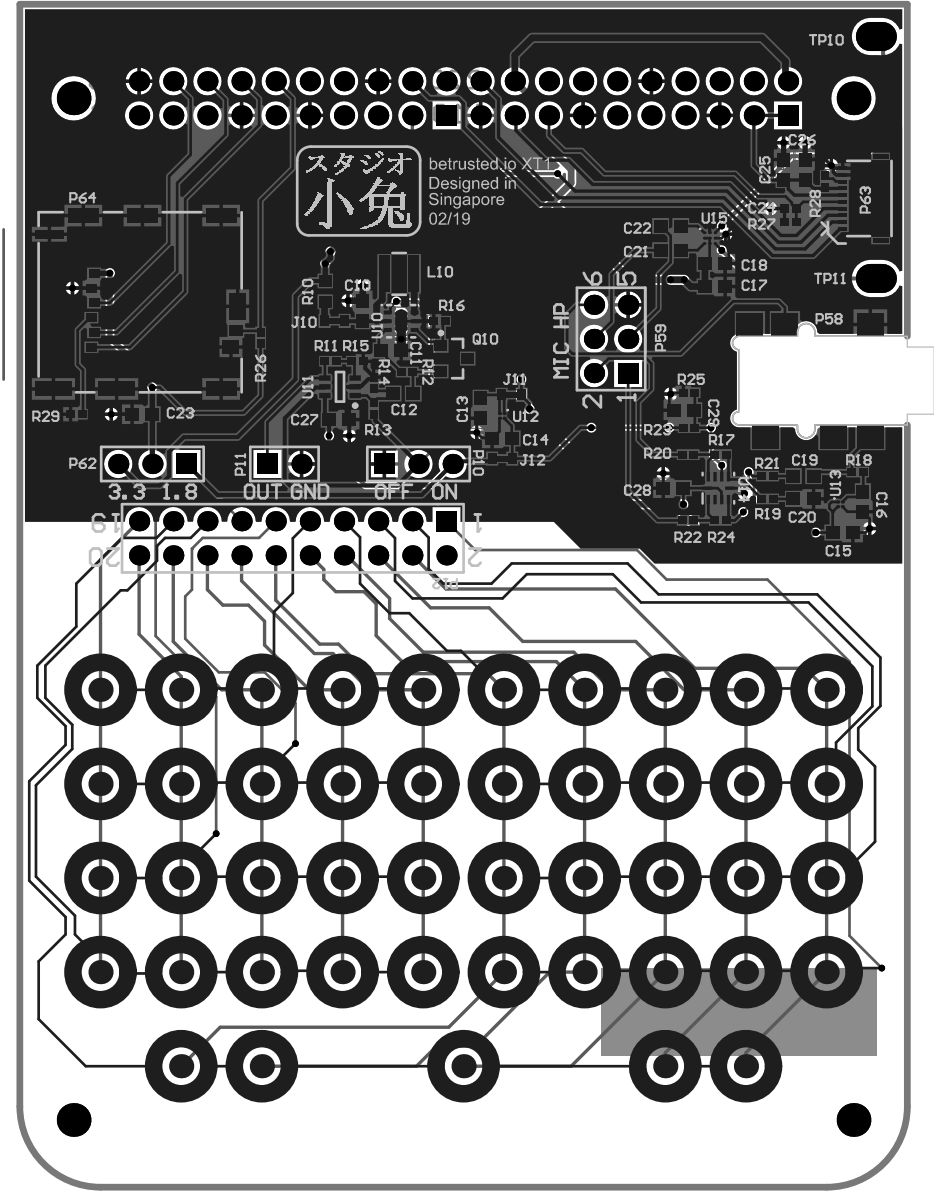
Candidates:
BSR14 On semi
MMBT2484LT1G On Semi
MMBT2N3904 On Semi

Anti-candidates:
MMBT10L On Semi
MMBT918LT1G On Semi



Title		
Size	Number	Revision
A		
Date:	2/26/2019	Sheet of
File:	F:\largework\...\01rng.SchDoc	Drawn By:

Board cutting outline



Layer	Name	Material	Thickness
1	Top Overlay		
2	Top Solder	Solder Resist	0.010mm
3	Top Layer	Copper	0.036mm
4	Dielectric 1	FR-4	0.710mm
5	Bottom Layer	Copper	0.036mm
6	Bottom Solder	Solder Resist	0.010mm
7	Bottom Overlay		

Total thickness: 0.8mm +/-0.1mm

Finish: immersion gold

Soldermask color: green

Silkscreen: white