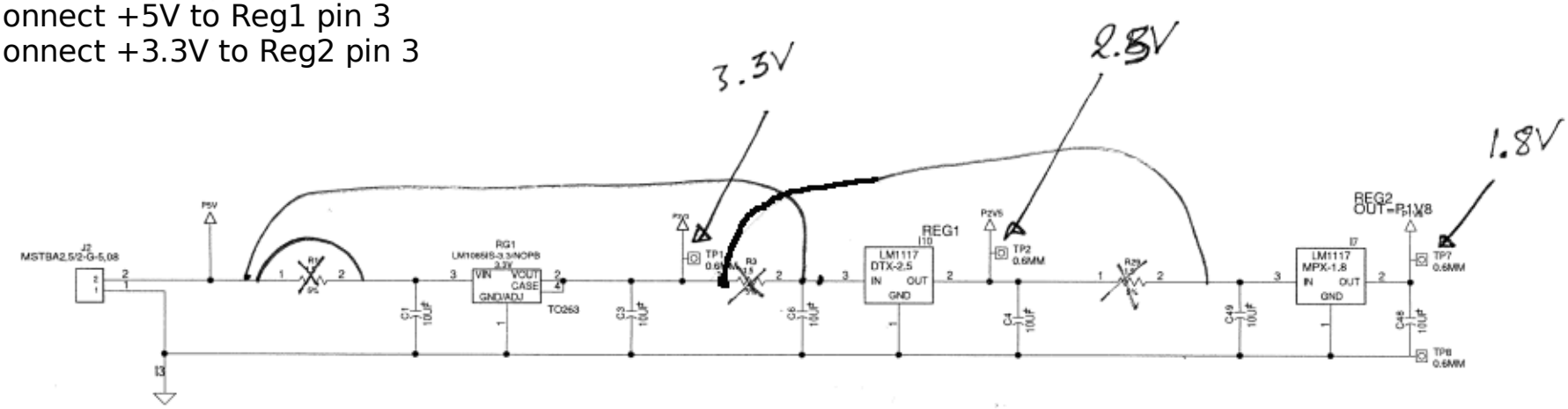
Changes to pc054a:
Remove R3,R29
Replace R1 with zero-ohm link
Connect +5V to Reg1 pin 3
Connect +3.3V to Reg2 pin 3



CURRENT ON 3.3V:
~ 180MA FROM SI5344
~ 80MA FROM BF-50.000MBE
TOTAL ~ 260MA
POWER DISSIPATION IN REGULATOR ~ (5V - 3.3V)*(0.26A + 0.2A + 0.1) = 0.95W

CURRENT ON 2.5V:
40MA FROM SN65LVD{S,T}{1,2}
150MA FROM CDCLVD1212
TOTAL ~ 200MA
POWER DISSIPATION ~ (3V-2.5V)*(0.2A+0.1A) ~ 0.24W

CURRENT ON 1.8V
~ 100MA FROM SI5344
POWER DISSIPATION IN REGULATOR ~ (2.5V - 1.8V) *0.1A = 0.07W

	Wed Apr 26 12:30:52 2017					
ISSUE	DATE	MOD NO.	DRN BY.	CHKD.	APPD.	STATUS

USED ON

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TITLE uob_hep_pc054a_lib
MODULE: pc054a_toplevel

SOLID CLOCK/SYNC FANOUT: POWER REGULATION

A2

MODULE PAGE: 1 OF 6
OVERALL PAGE: 1 OF 18

TOTAL NO. OF SHEETS