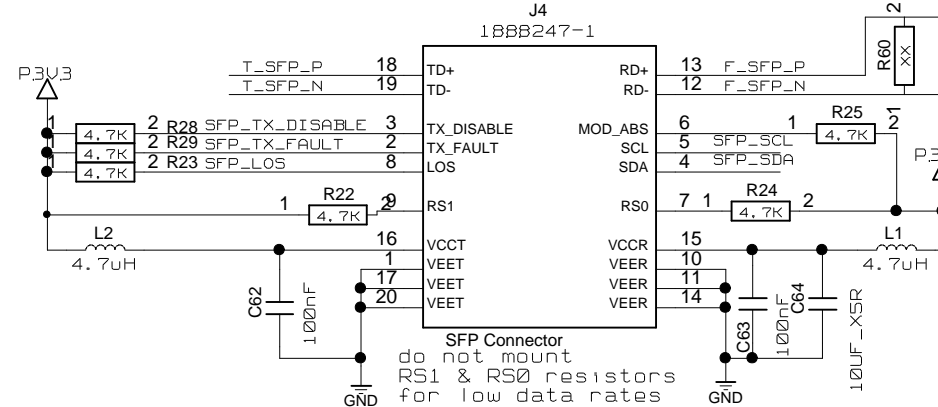
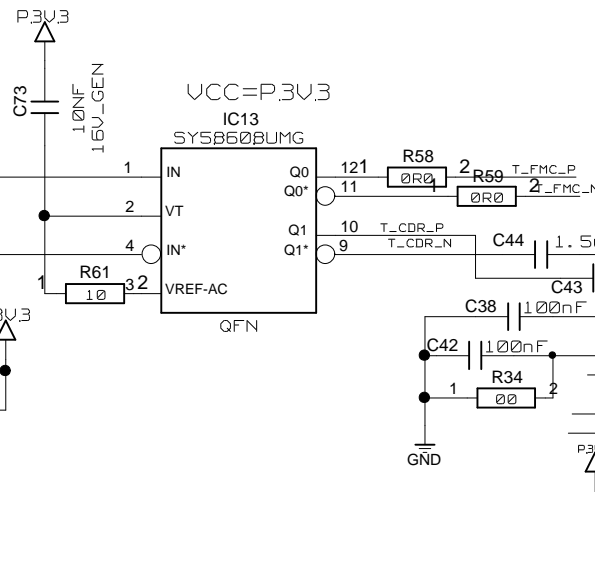


SFP I2C ADDRESSES:
1010000 AND
1010001



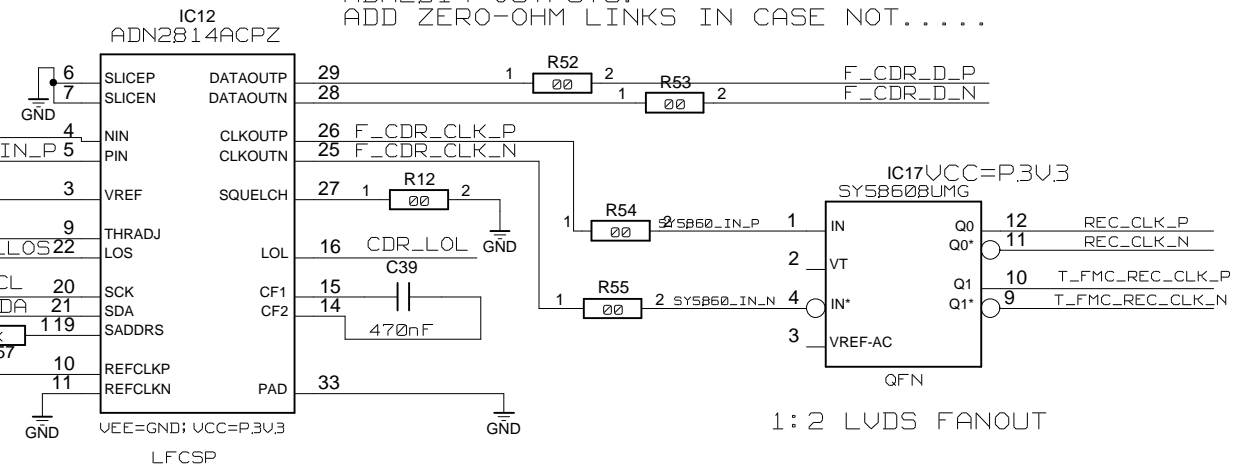
SFP Connector
do not mount
R51 & R50 resistors
for low data rates



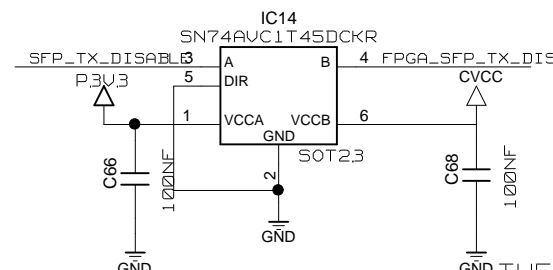
CLOCK AND DATA RECOVERY (CDR)

CDR I2C ADDRESS:
1100000 (SADDRS=1)

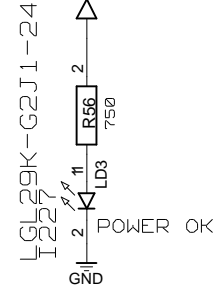
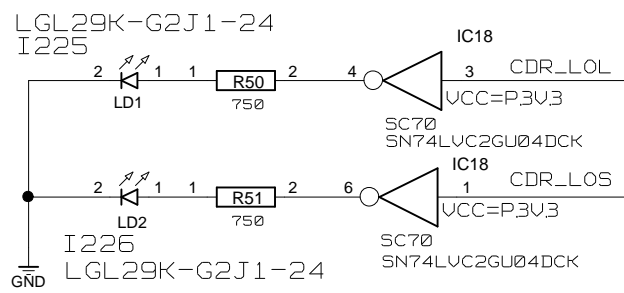
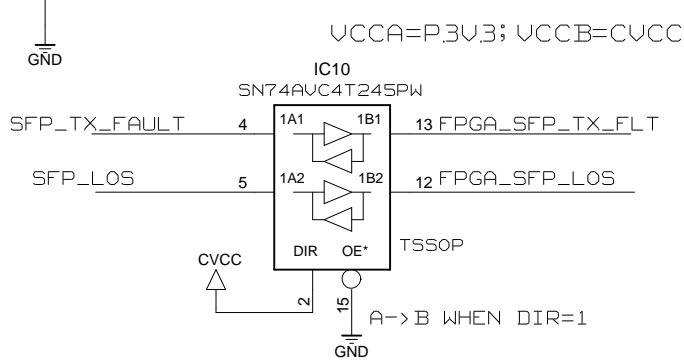
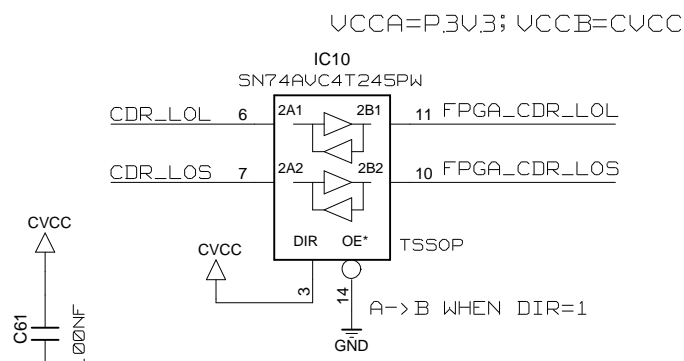
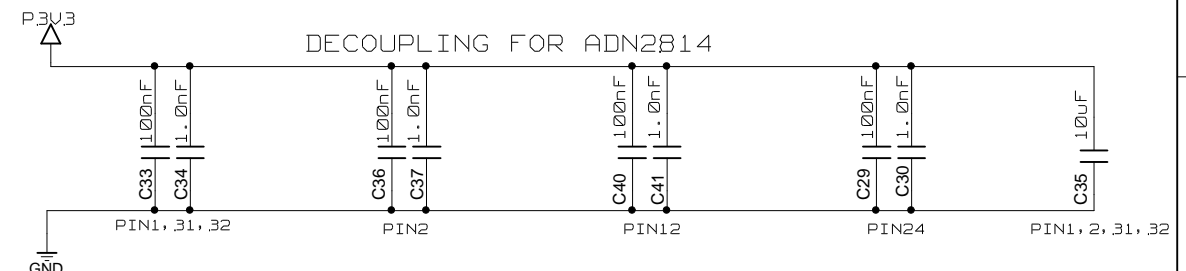
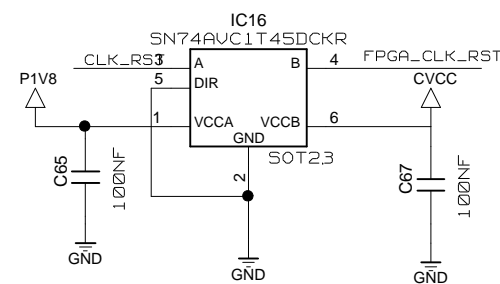
SHOULD BE ABLE TO DC COUPLE
ADN2814 OUTPUTS.
ADD ZERO-OHM LINKS IN CASE NOT.....



1:2 LVDS FANOUT



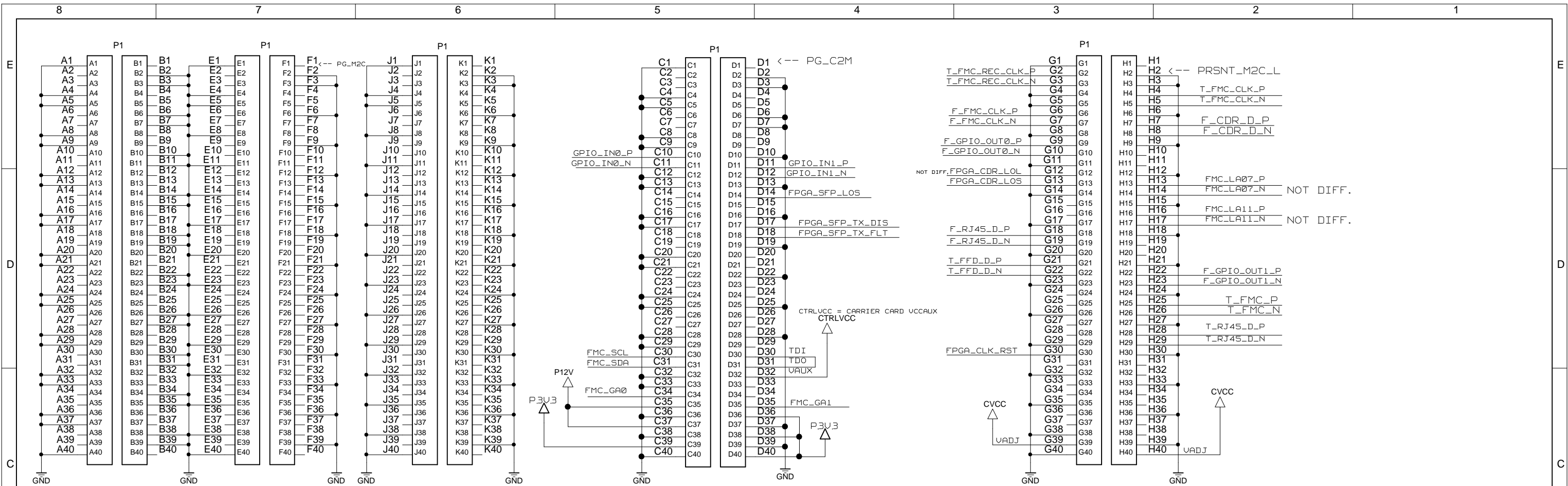
THE PCB IS COMPATIBLE WITH SOT23
USE SN74AVC1T45DBUR INSTEAD OF SN74AVC1T45DCKR.
B->A WHEN DIR=0



THIS PAGE ADAPTED FROM
CERN PROJECT EDA-02319-V3-1 (TTC_FMC)

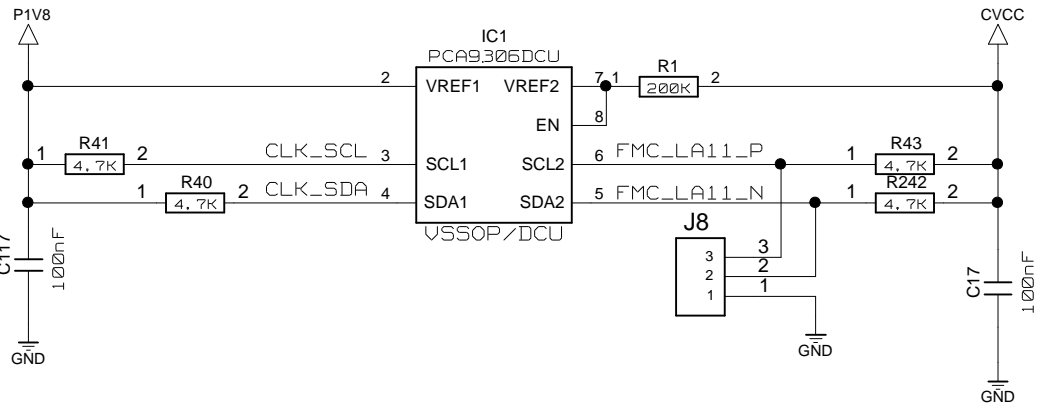
PROTODUNE TIMING/SYNC TEST FMC

PROJECT:		pc053c_toplevel			
PARTICLE PHYSICS UNIVERSITY OF BRISTOL H. H. WILLS PHYSICS LABORATORY TYNDALL AVENUE, BS8 1TL BRISTOL, UK	REVISION:	C		DATE MODIFIED: 16/10/2019	
	DESIGNED BY:	Baesso, Cussans		SIZE: A3	PAGE: 1 / 6
	SFP AND CDR				

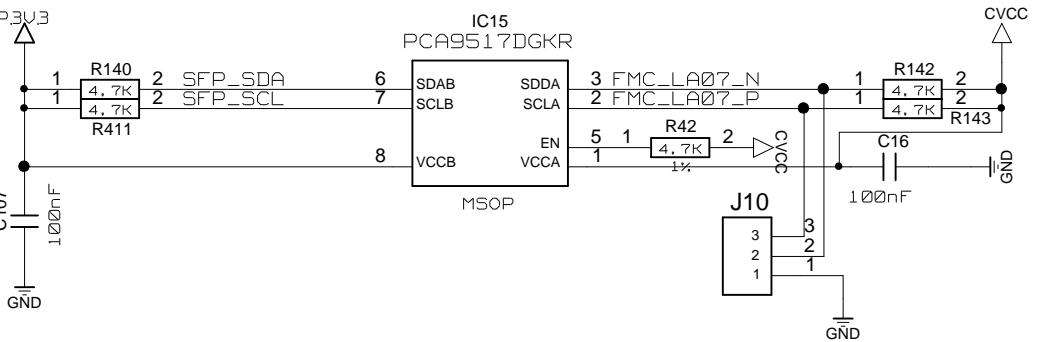


FOR P1 USE SAMTEC MC-LPC-10 OR MC-HPC-10

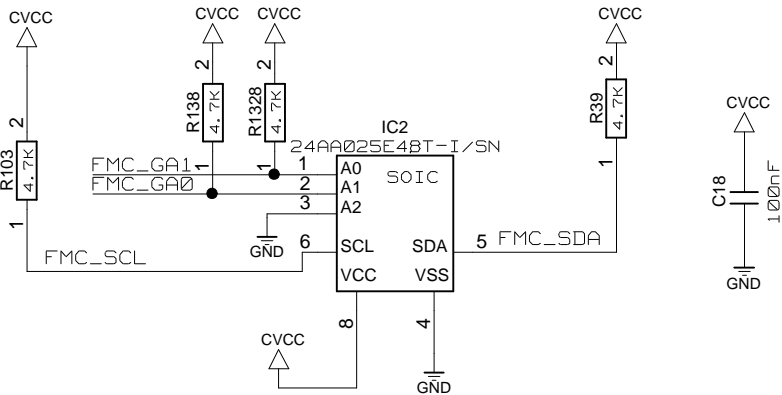
WHEN USING PCA9306, CVCC MUST BE AT LEAST $1.8V + 0.6V = 2.4V$



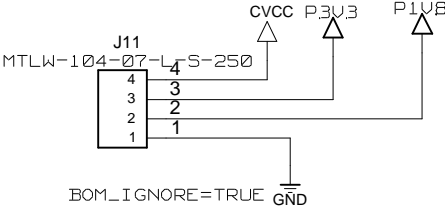
USE TCA9517DGK INSTEAD
EN PIN INTERNALLY PULLED-UP



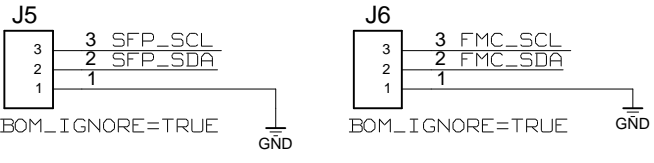
EEPROM WITH UNIQUE ID



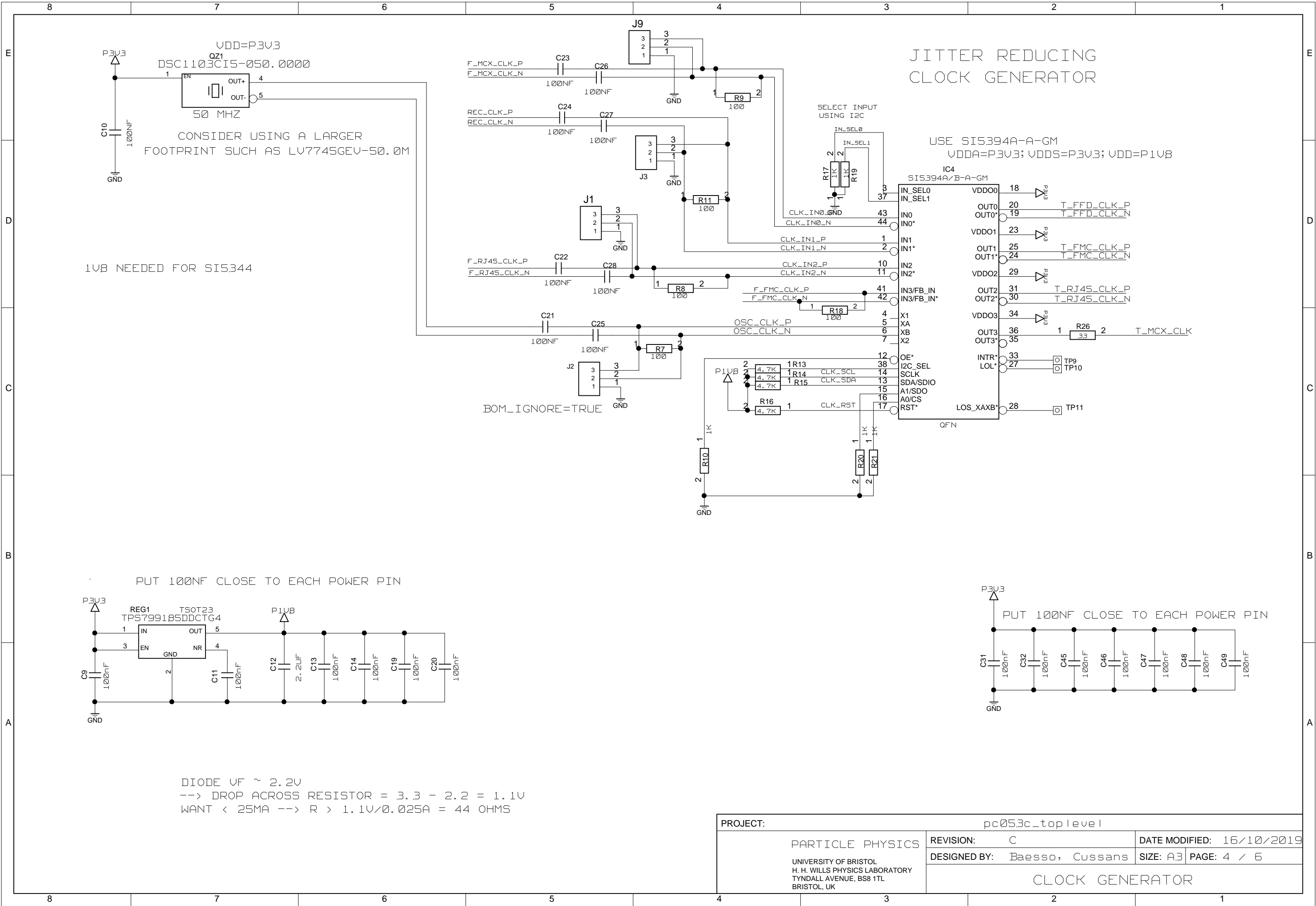
TEST POINTS FOR
POWER RAILS

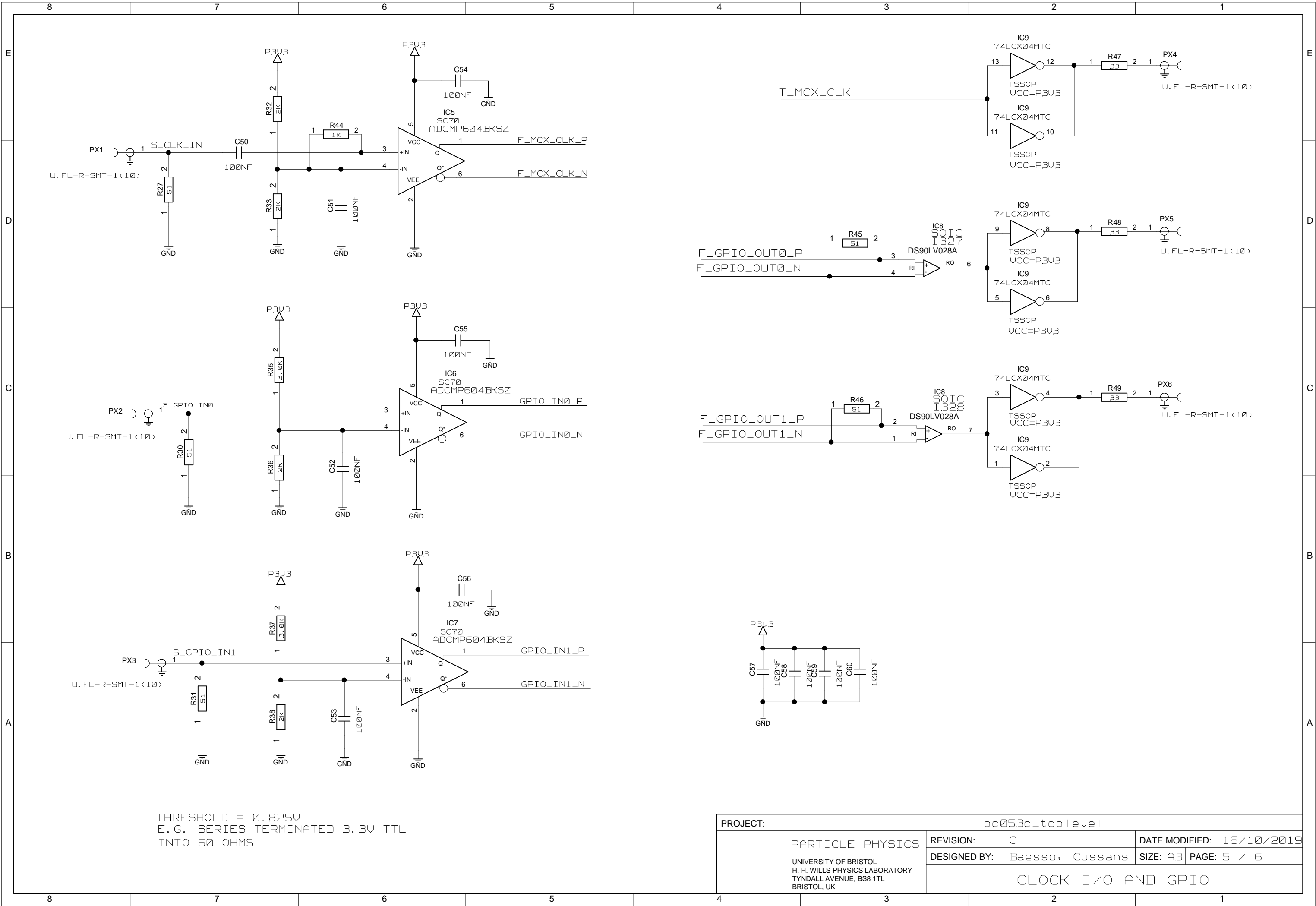


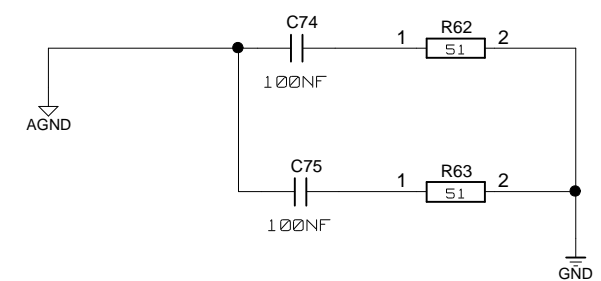
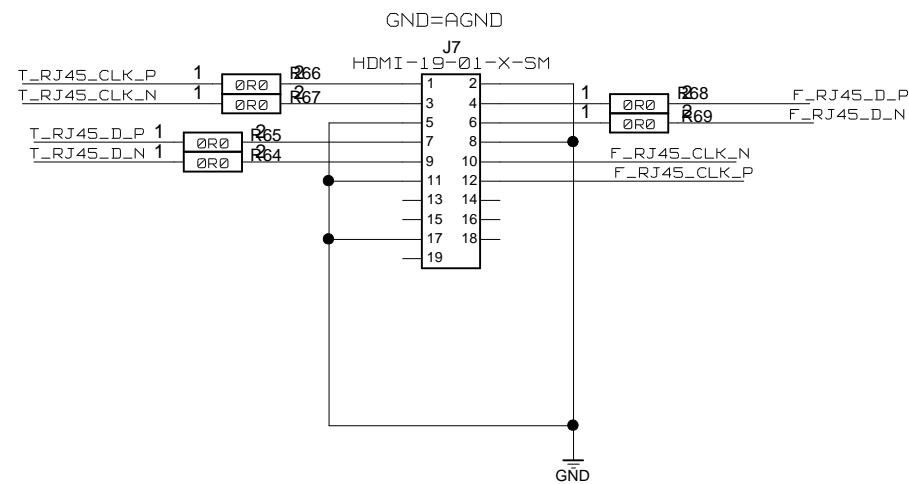
TEST POINTS FOR
I2C SIGNALS



PROJECT:		pc053c_top level			
PARTICLE PHYSICS UNIVERSITY OF BRISTOL H. H. WILLS PHYSICS LABORATORY TYNDALL AVENUE, BS8 1TL BRISTOL, UK	REVISION:	C		DATE MODIFIED: 16/10/2019	
	DESIGNED BY:	Baesso, Cussans		SIZE: A3	PAGE: 2 / 6
	FMC CONNECTOR + EEPROM				







PROJECT:		pc053c_top level			
PARTICLE PHYSICS UNIVERSITY OF BRISTOL H. H. WILLS PHYSICS LABORATORY TYNDALL AVENUE, BS8 1TL BRISTOL, UK	REVISION:	C	DATE MODIFIED:		16/10/2019
	DESIGNED BY:	Baesso, Cussans	SIZE: A3	PAGE: 6 / 6	
HDMI CONNECTOR					