

Service Schematics

Introduction

NOKIA

6670 7610

Exploded view and component disposal

IMPORTANT:

This document is intended for use by authorized NOKIA service centers only.

“Service Schematics” was created with focus on customer care. The purpose of this document is to provide further technical repair information for NOKIA mobile phones on Level 3/4 service activities. It contains additional information such as e.g. “Component finder”, “Frequency band table” or “Antenna switch table”. The “Signal overview” page gives a good and fast overview about the most important signals and voltages on board. Saving process time and improving the repair quality is the aim of this document. It is to be used additionally to the service manual and other training or service information such as Service Bulletins.

All measurements were made using following equipment:

Nokia repair SW	: Phoenix version A16 2004.32.6.62
Oscilloscope	: Fluke PM 3380A/B
Spectrum Analyzer	: Advantest R3162 with an analog probe
RF-Generator / GSM Tester	: Rhode & Schwarz CMU 200
Multimeter	: Fluke 73 Series II

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If the reader finds any errors, NOKIA should be notified in writing.

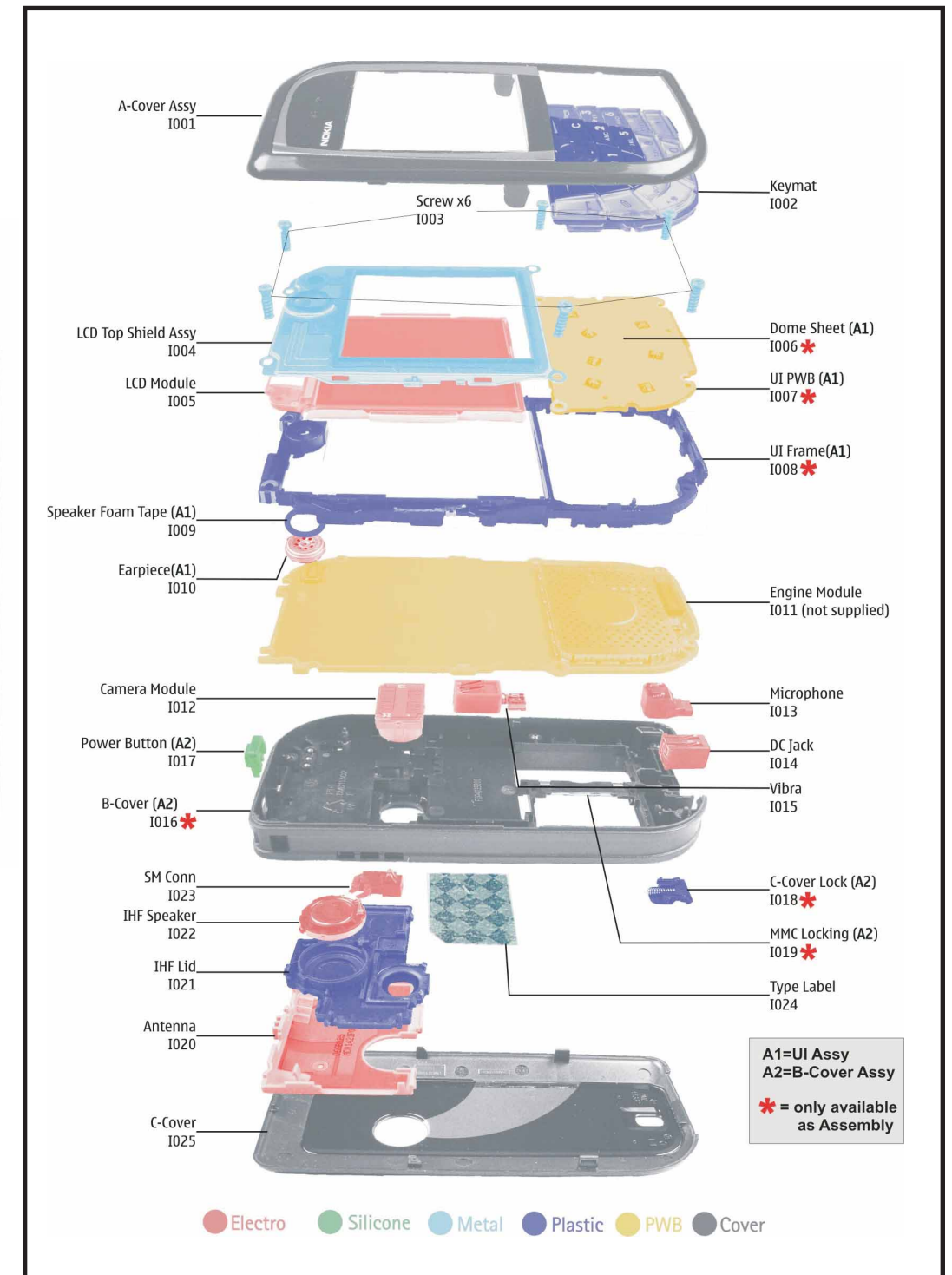
Please send E-Mail to: training.sace@nokia.com

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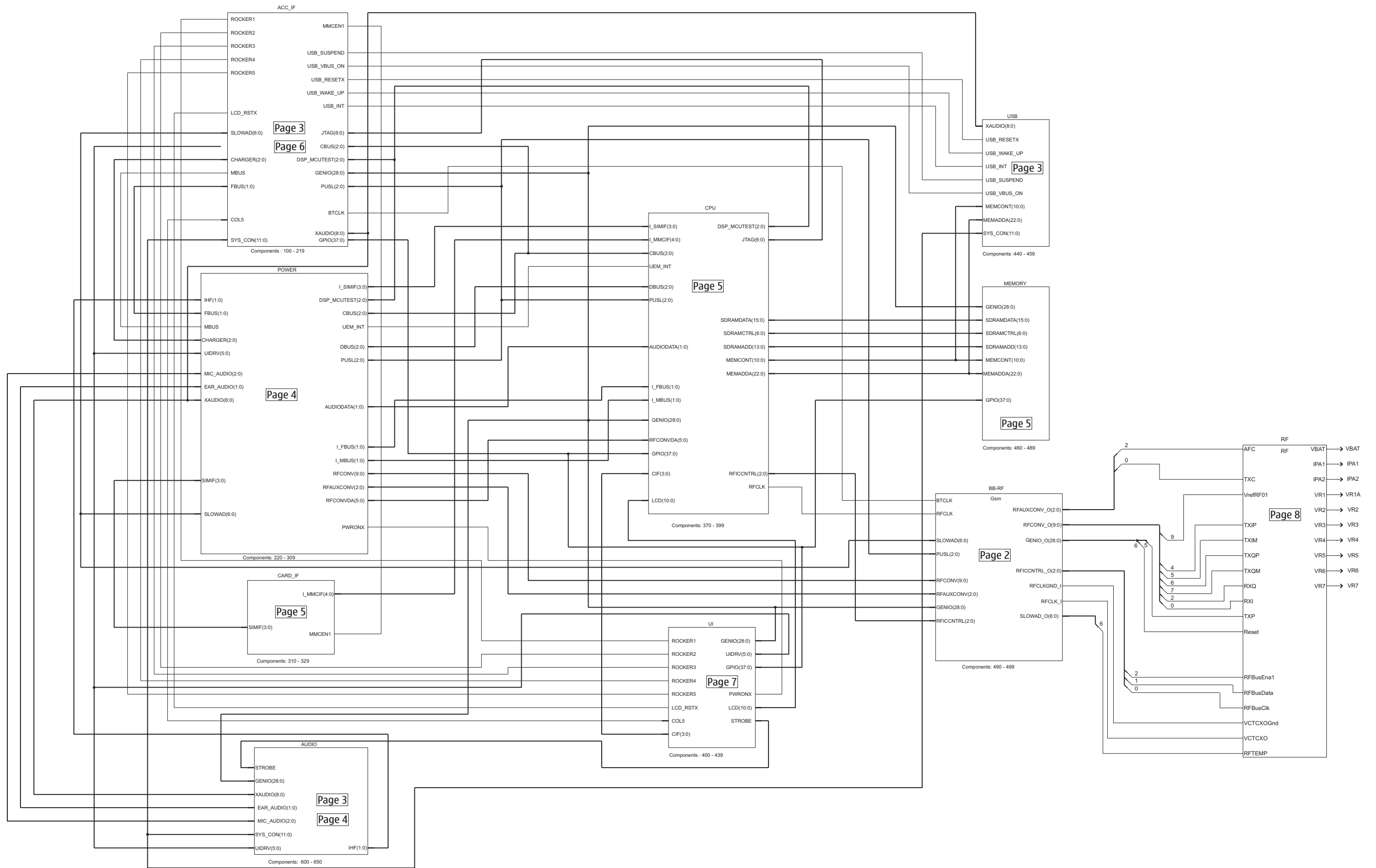


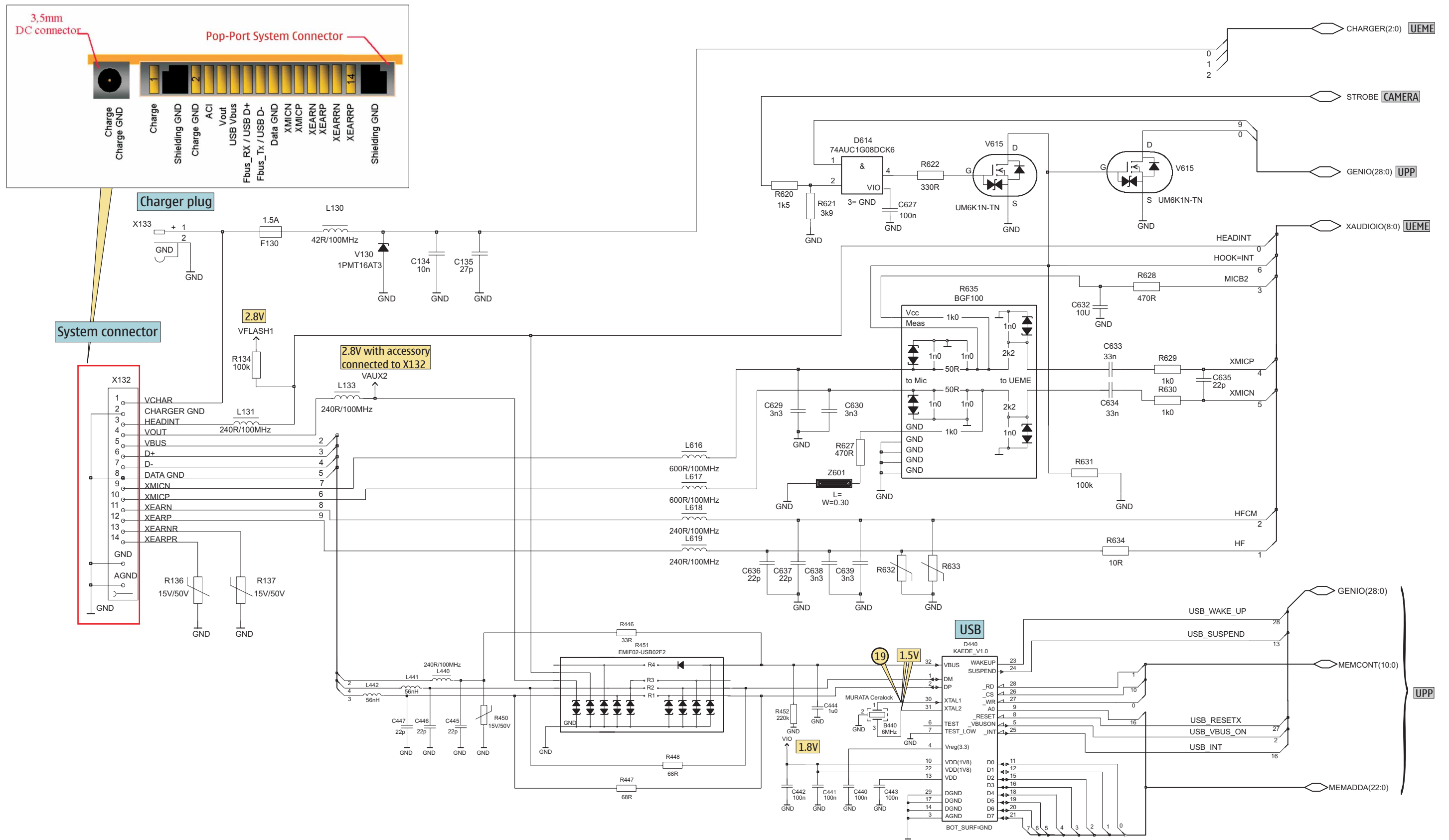
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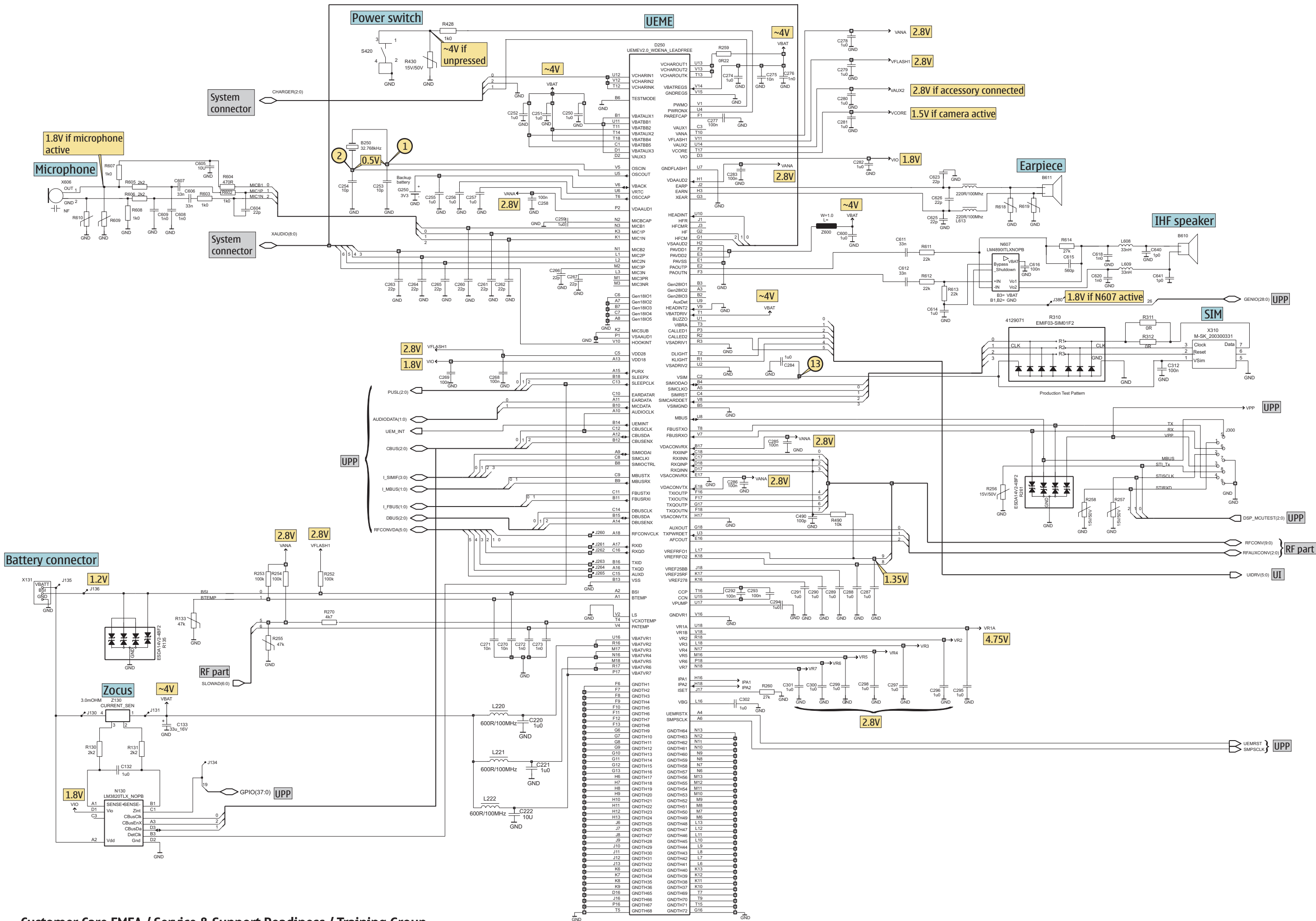


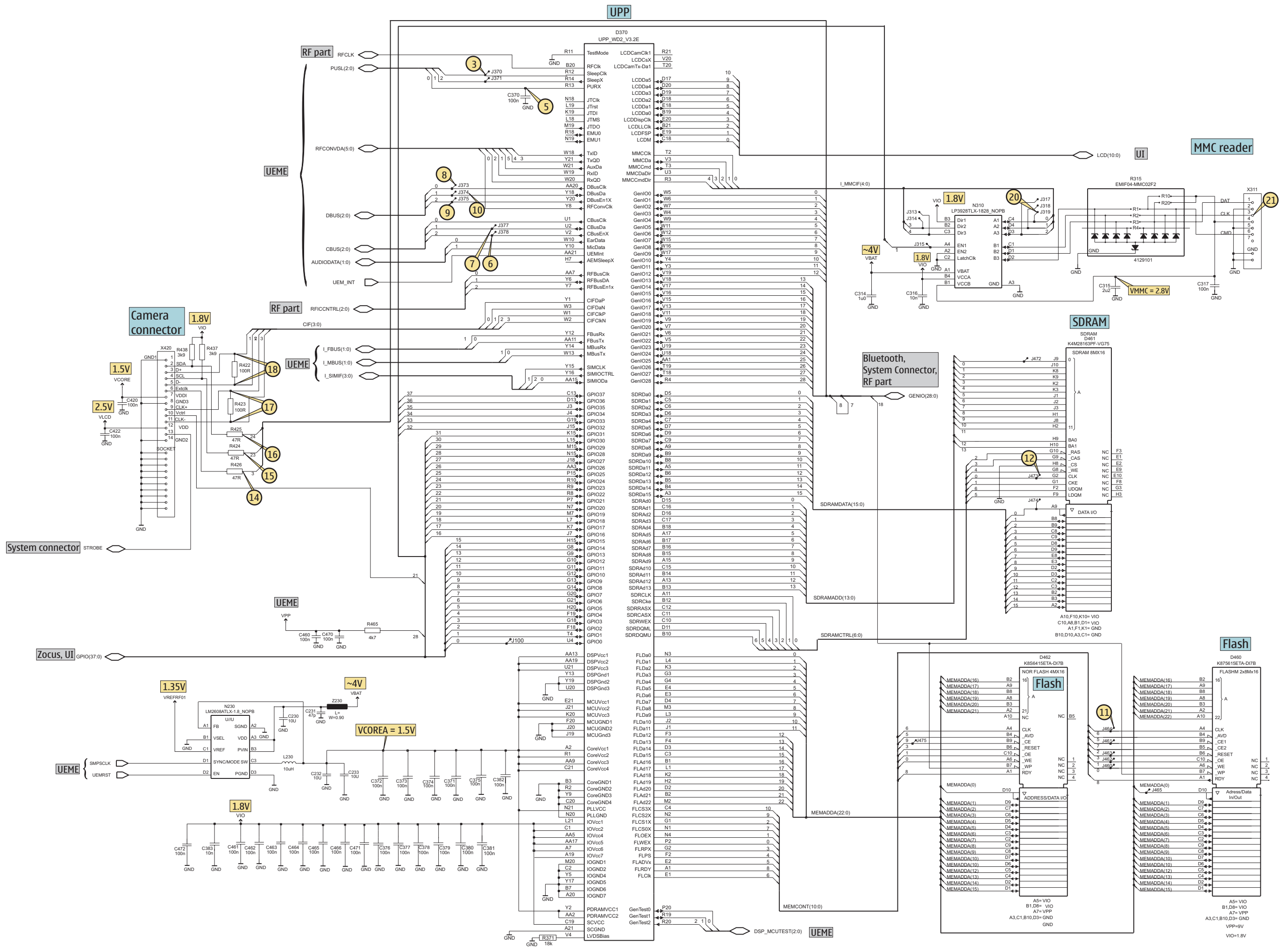
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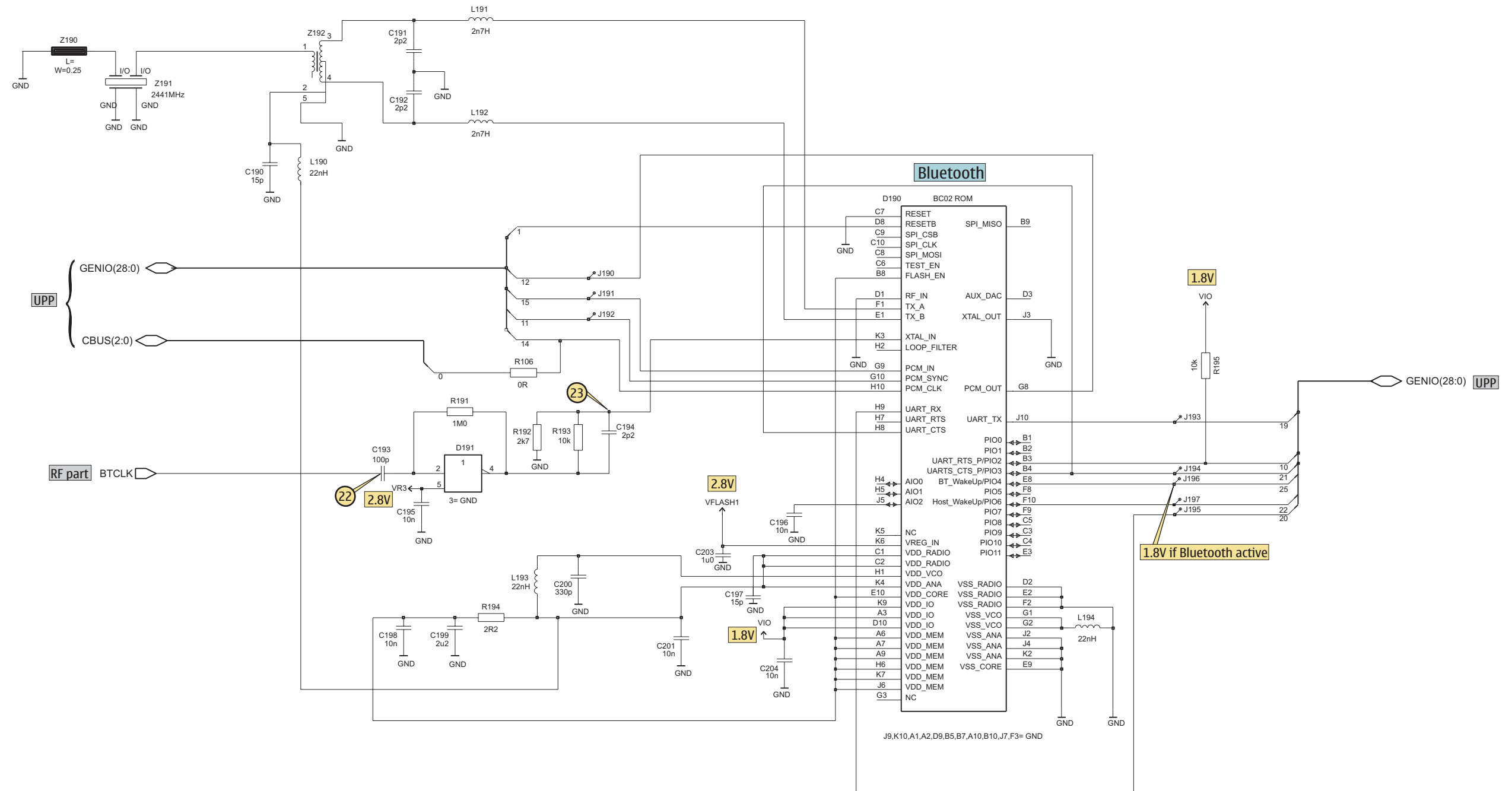
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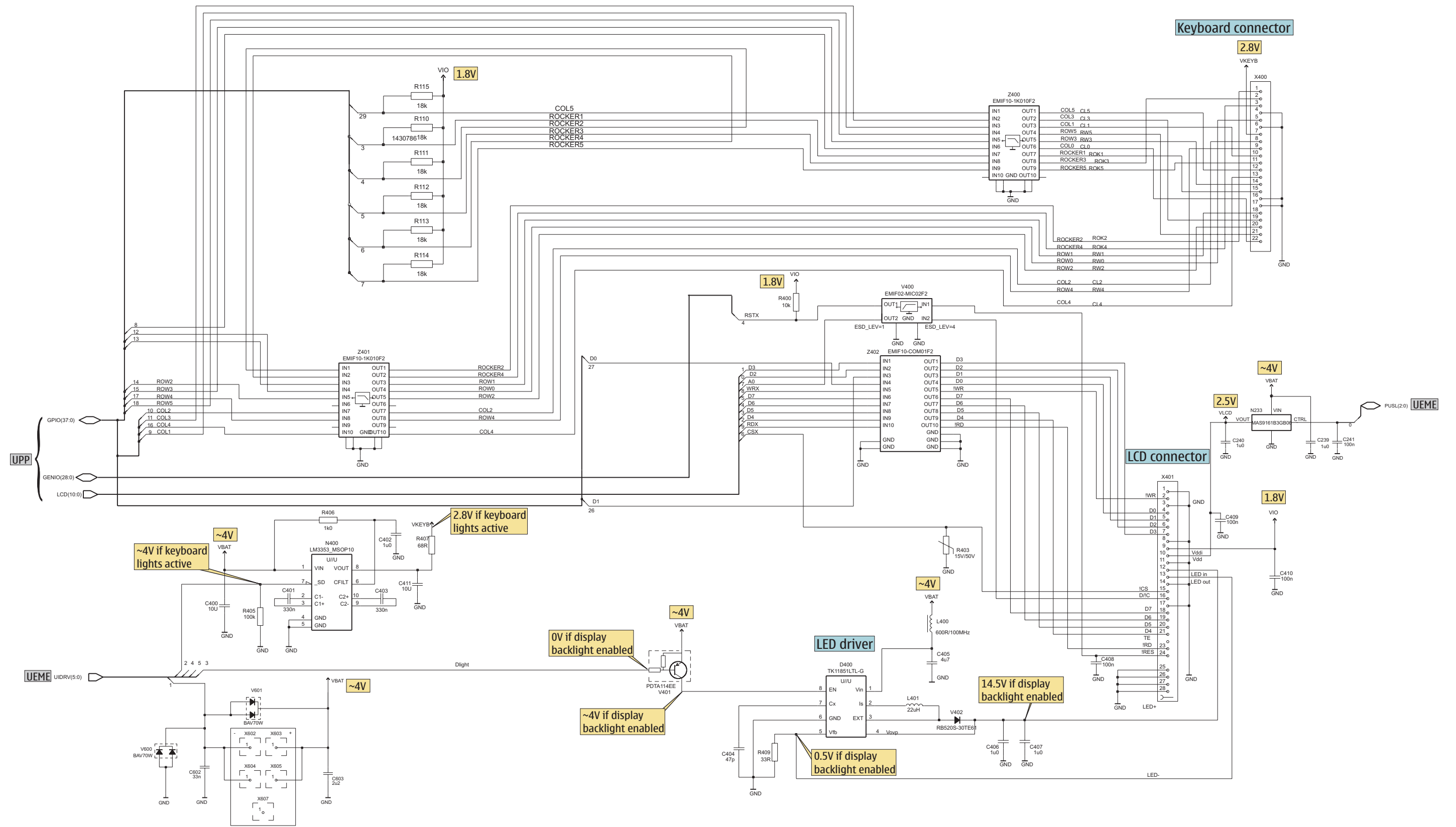












	Vc1	Vc2	Vc3
EGSM RX	-	-	-
GSM1800 RX	-	-	-
GSM1900 RX	-	2.8Vpp	-
EGSM TX	-	-	2.8Vpp
GSM1800 TX	2.8Vpp	2.8Vpp	-
GSM1900 TX	2.8Vpp	2.8Vpp	-

Band	Channel	RX	VCO/RX	VC/RX	TX	VCO/TX	VC/TX
EGSM 900	37	942.4MHz	3769.6MHz	~2.76V	897.4MHz	3589.6MHz	~2.03V
GSM 1800	700	1842.8MHz	3685.6MHz	~2.43V	1747.8MHz	3495.6MHz	~1.63V
GSM 1900	661	1960MHz	3920MHz	~3.34V	1880MHz	3760MHz	~2.72V

