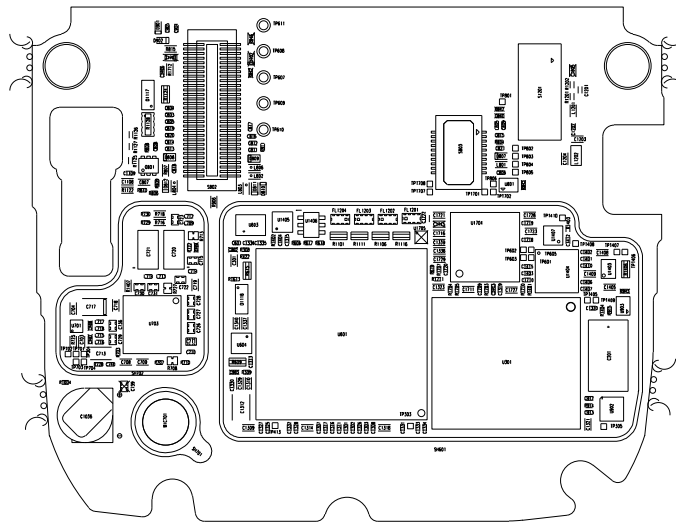




PRIMARY SIDE VIEW

REVISIONS				
REV	ECN	DESCRIPTION	DFTS	DATE
1A	12871	Pre-Production release	EHS	081031

NOTES:

1. ACCEPTABILITY OF ASSEMBLY TO MEET IPC 610 (LATEST ISSUE), CLASS 2.
2. C1056 IS HEAT SENSITIVE, DISCHARGE BEFORE REWORKING.
3. THE SOLDER AND ASSEMBLY PROCESS SHALL COMPLY WITH DIRECTIVE 2002/95/EC (ROHS) AND RIM ENVIRONMENTAL SPECIFICATIONS.



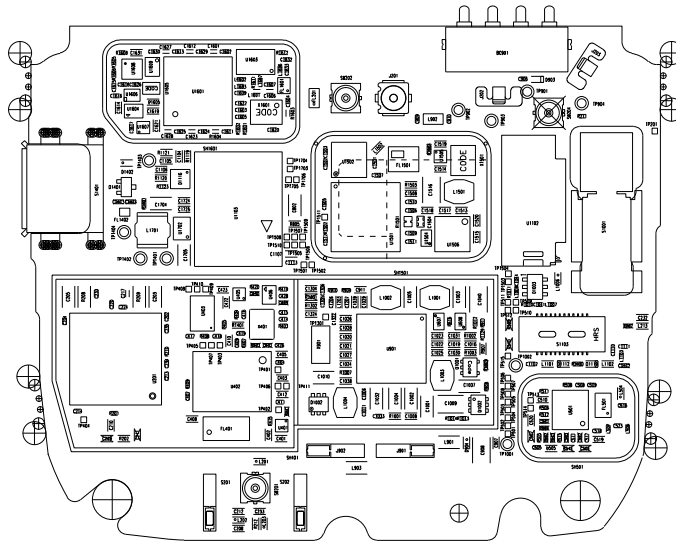
		RESEARCH IN MOTION WATERLOO, ONTARIO CANADA PH: (519) 888-7465, FAX: (519) 883-4997 COPYRIGHT 2007	
TITLE		PRINTED WIRING BOARD Javelin w/ GND Stitching	
RIM CONFIDENTIAL		REV 1	
APPROVALS		DATE	B
DRAWN BY M JACKSON		09.01.21	SIZE
		DWG. NO. POP-17811-006	
		SHEET 1 OF 2	

1 MENTOR CADFILE

NOTE:

1. SW201, SW202, SW203 ORIENTATIONS ARE SIGNIFICANT

SECONDARY SIDE VIEW



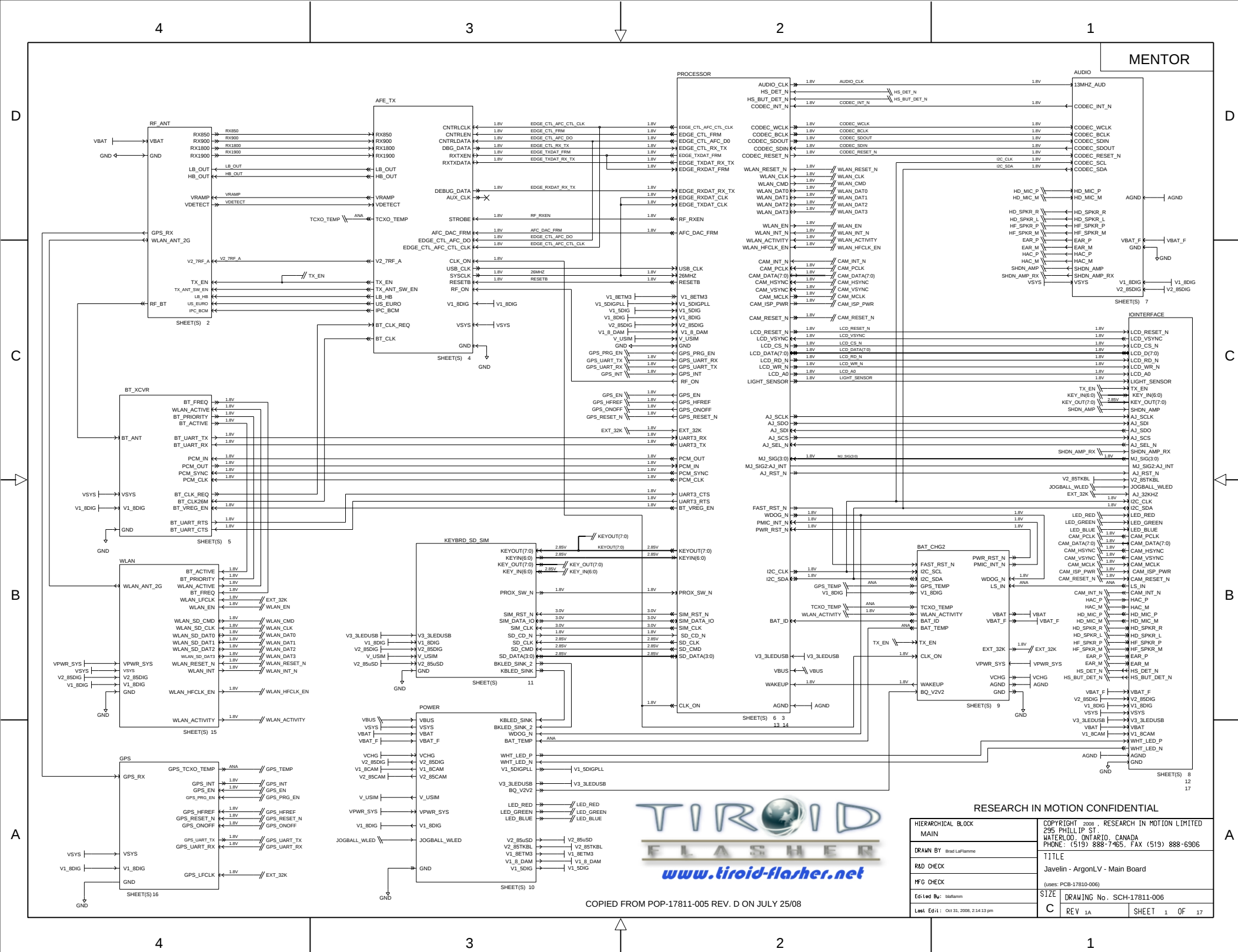
RESEARCH IN MOTION
WATERLOO, ONTARIO CANADA
PH: (519) 888-7465, FAX: (519) 883-4997
COPYRIGHT 2007

TITLE PRINTED WIRING BOARD
Javelin w/ GND Stitching

RIM CONFIDENTIAL REV 1

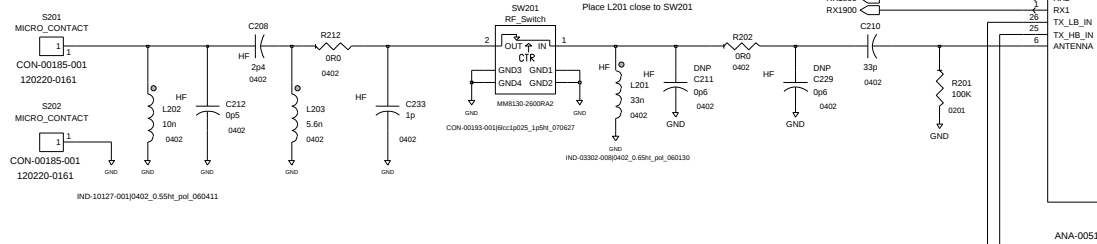
APPROVALS	DATE	B	DWG. NO.	POP-17811-006
DRAWN BY M JACKSON	09.01.21	SIZE		SHEET 2 OF 2

1 MENTOR CADFILE



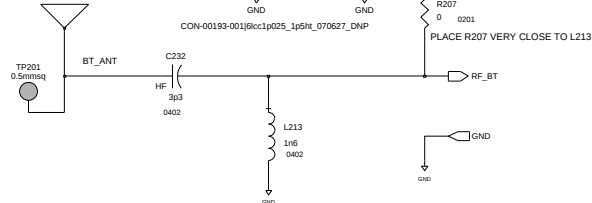


(850/900/1800/1900 MHz)
GSM850/GSM900/DCS1800/PCS1900 ANTENNA

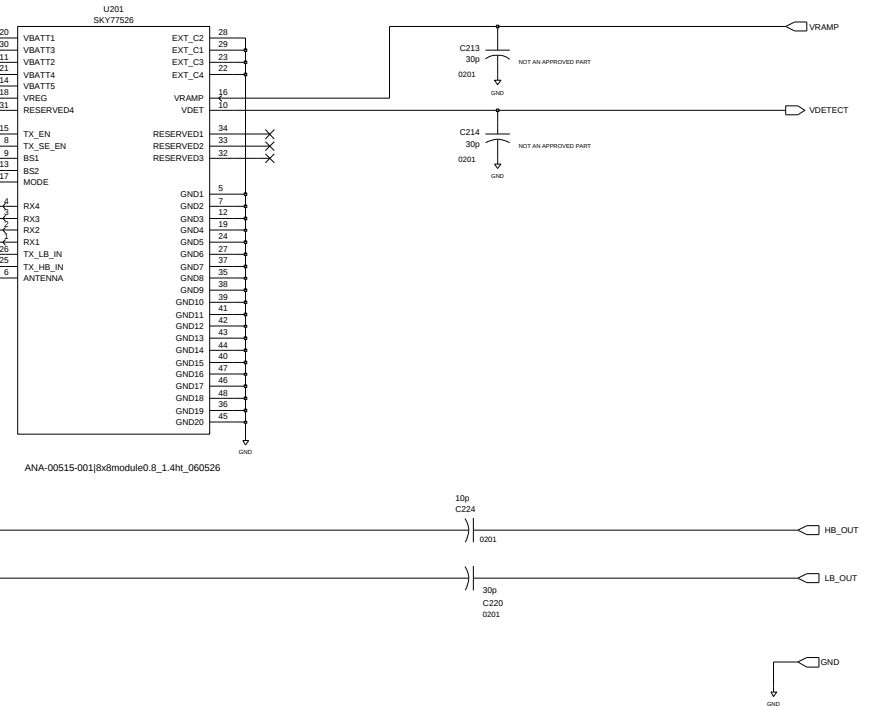
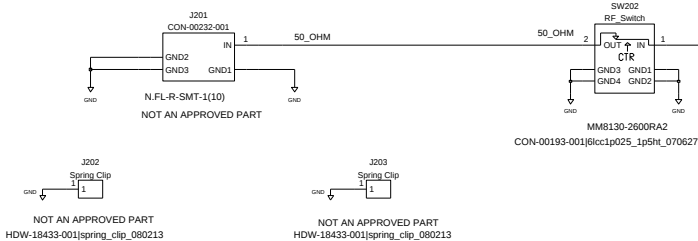


FOR TEST PURPOSES ONLY

BLUETOOTH ANTENNA



GPS/WIFI ANTENNA
COAX CONNECTOR + CLIPS



GPS

WLAN
2.4GHz 802.11b/g

RESEARCH IN MOTION CONFIDENTIAL

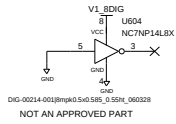
HIERARCHICAL BLOCK RF_ANT	COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6306
DRAWN BY Brad LaFlamme	TITLE Javelin - ArgonLV - Main Board (uses: PCB-17810-006)
R&D CHECK	SIZE DRAWING No. SCH-17811-006
MFG CHECK	C REV 1A SHEET 2 OF 17
Ed: Led Bu: bblamm	
Last: Ed: 1: Sep 18, 2008, 1:06:58 pm	



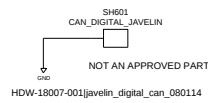
HIERARCHICAL BLOCK PROCESSOR2		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6906	
DRAWN BY Brad LaFlamme		TITLE	
R&D CHECK		Javelin - ArgonLV - Main Board	
PFG CHECK		(uses: PCB-17810-006)	
Edited By: MattLamm		SIZE	
Last Edit : Sep 18, 2008, 1:13:39 pm		DRAWING NO. SCH-17811-006	
C	REV 1A	1	OF 17



SPARE GATES



DIGITAL CAN



HDW-18007-001javelin_digital_can_080114

U601

SC29746VCR2

H26

H24

H22

H20

H18

H16

H14

H12

H10

H8

H6

H4

H2

H0

H-2

H-4

H-6

H-8

H-10

H-12

H-14

H-16

H-18

H-20

H-22

H-24

H-26

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H-634

H-636

H-638

H-640

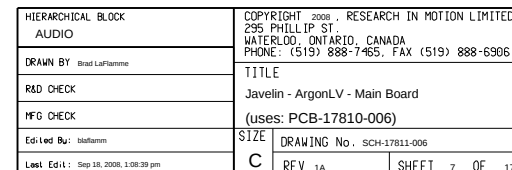
H-642

H-644

H-646

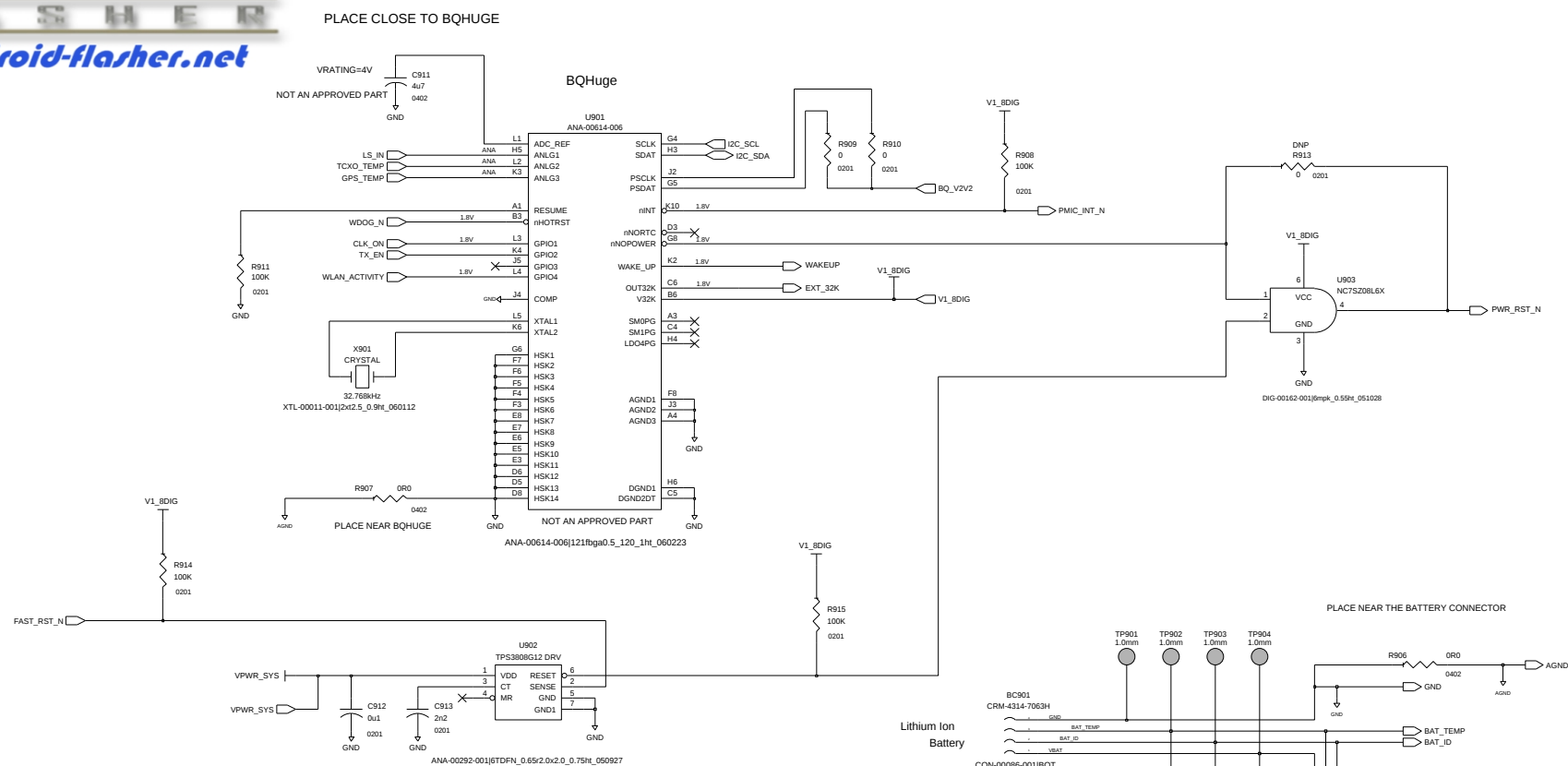
H-648

H-650





HIERARCHICAL BLOCK I/O INTERFACE		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6906	
DRAWN BY: Brad LaFlamme		TITLE	
R&D CHECK		Javelin - ArgonLV - Main Board	
MFG CHECK		(uses: PCB-17810-006)	
Edited By: hlaflamme		\$12 DRAWING NO. SCH-17811-006	
Last Edit: Sep 18, 2008, 1:11 pm		C	REV 1A SHEET 8 OF 17



VCHG

VCHG

C907
10p
50V
0402

C908
10u
10V
0805

D904
12V
ESD
0402

L901
BLM18G221SN1J
HF
FIL-00003-0010603_0.55Ht

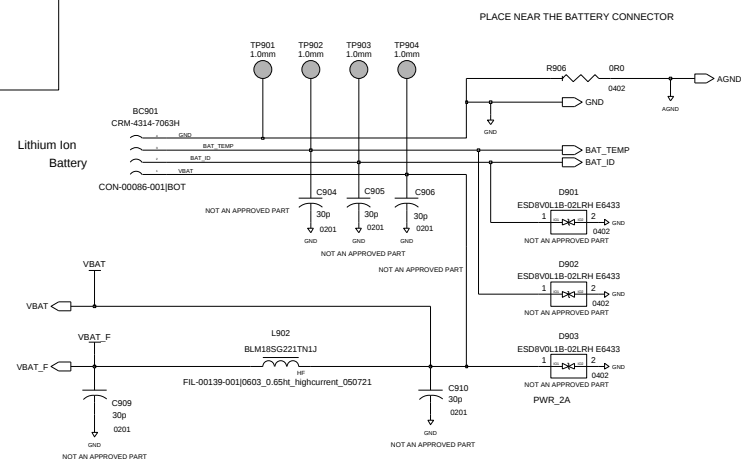
J901
MICRO_CONTACT
C304-2004H-101
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NOT AN APPROVED PART

DIC-00003-0010402_0.55Ht_pot_060411

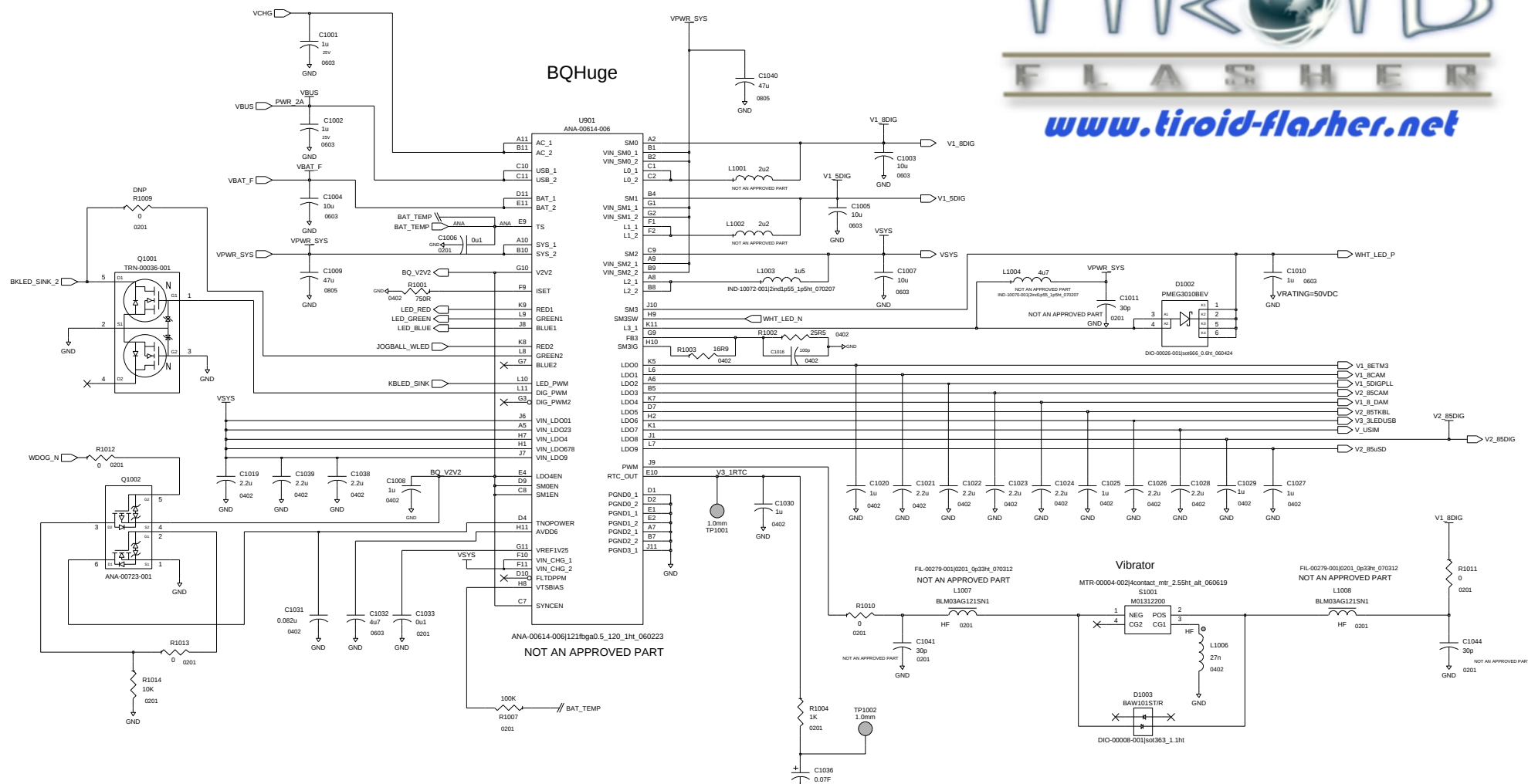
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MICRO_CONTACT
C304-2004H-101
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NOT AN APPROVED PART

L903
BLM18G221SN1J
HF
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GND



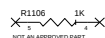
HIERARCHICAL BLOCK BAT_CHG2		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 2955 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6906	
DRAWN BY: Brad LaFlamme		TITLE	
R&D CHECK		Javelin - ArgonLV - Main Board	
MFG CHECK		(uses: PCB-17810-006)	
Edited By: haddamen		SIZE	
Last Edit : Sep 18, 2008, 1:08:29 PM		DRAWING No. : SCH-17811-006	
C	REV 1A	SHEET	9 OF 17



WARNING EXPLOSIVE
FOLLOW MANUFACTURERS
ASSEMBLY/REWORK INSTRUCTIONS
DISCHARGE BEFORE REWORK
DO NOT OVERHEAT

RESEARCH IN MOTION CONFIDENTIAL

HIERARCHICAL BLOCK POWER	COPYRIGHT 2006 RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7455, FAX (519) 888-6906		
DRAWN BY Brad LaPlante	TITLE		
READ CHECK	Javelin - ArgonLV - Main Board		
FIG CHECK	(USES: PCB-17810-006)		
EG-LED Bu: biallamm	DRAWING NO. SCH-17811-006		
Last Edit: Sep 18, 2008, 1:08:09 pm	C	REV 1A	SHEET 10 OF 17



U1103
SIM CONNECTOR

2 RST
7 IO
3 CLK
1 VCC
6 VPP
5 GND

NOT AN APPROVED PART
CON=00236-0012x3sm2p94_2p75H_071210

V_USIM

C1107
0u1
0402
GND

D1116
RC1amp0504P.TCT
5 VP
1
3
4
6
7 GND

NOT AN APPROVED PART
DIO-00029-0018mW_5_0.65H_060223

Place C1105 close to U1103

NOT AN APPROVED PART

C1105
15p
0402
GND

NOT AN APPROVED PART

R1123
4K75
0201
GND

NOT AN APPROVED PART

C1106
15p
0402
GND

C1104
15p
0402
GND

R1120
150R
0402
GND

R1119
150R
0402
GND

R1121
15R
0402
GND

SIM_RST_N
SIM_DATA_IO
SIM_CLK

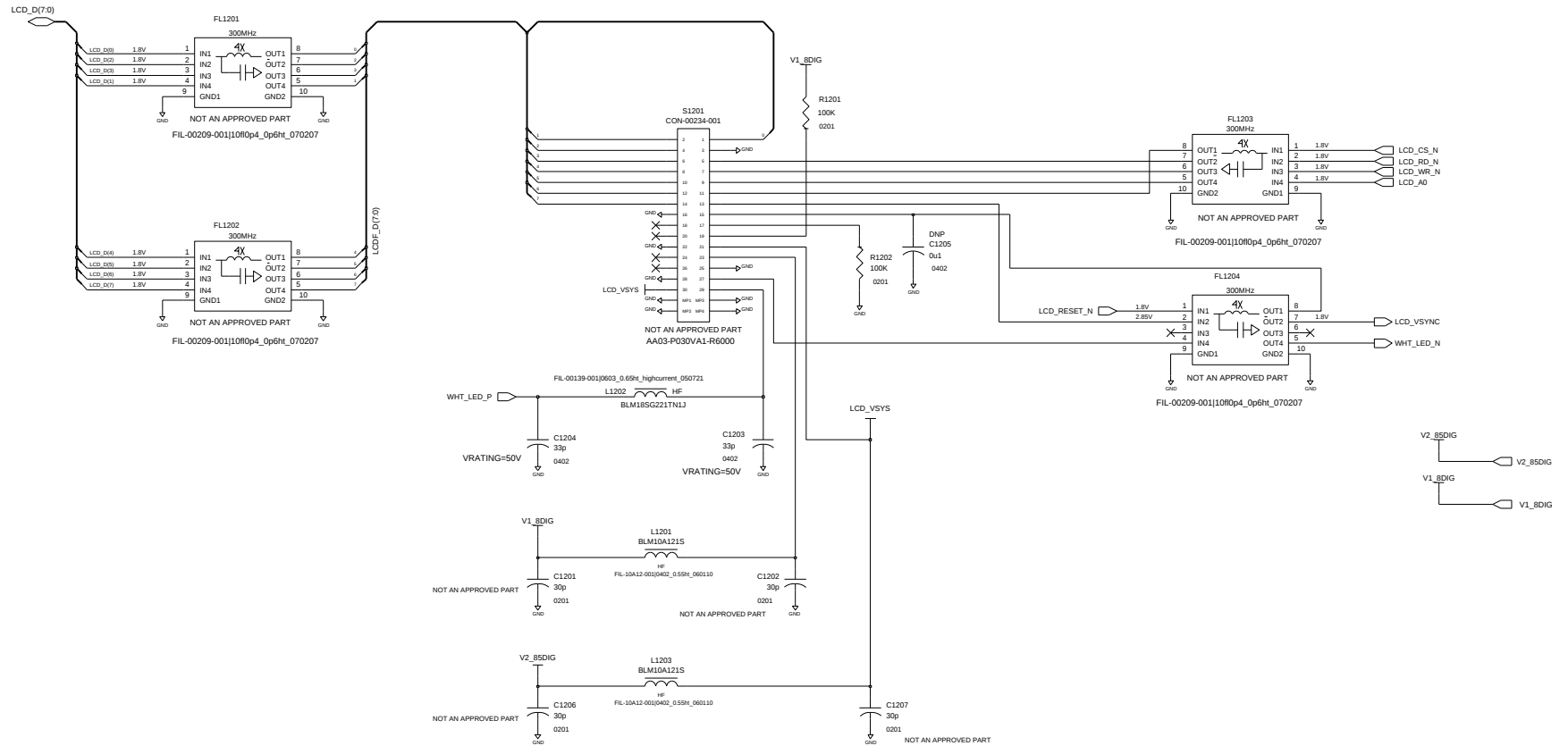
SIM_RST
SIM_IO

U1103

HIERARCHICAL BLOCK KEYWORD_SD_SIM		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6906	
DRAWN BY Brad LaPlante		TITLE	
R&D CHECK		Javelin - ArgonLV - Main Board	
MFG CHECK		(uses: PCB-17810-006)	
Ed: Led Bn: bldflamem		SIZE DRAWING No. SCH-17811-006	
Last Edn: Sep 18, 2008, 1:07:57 pm		C REV 1A	SHEET 11 OF 17

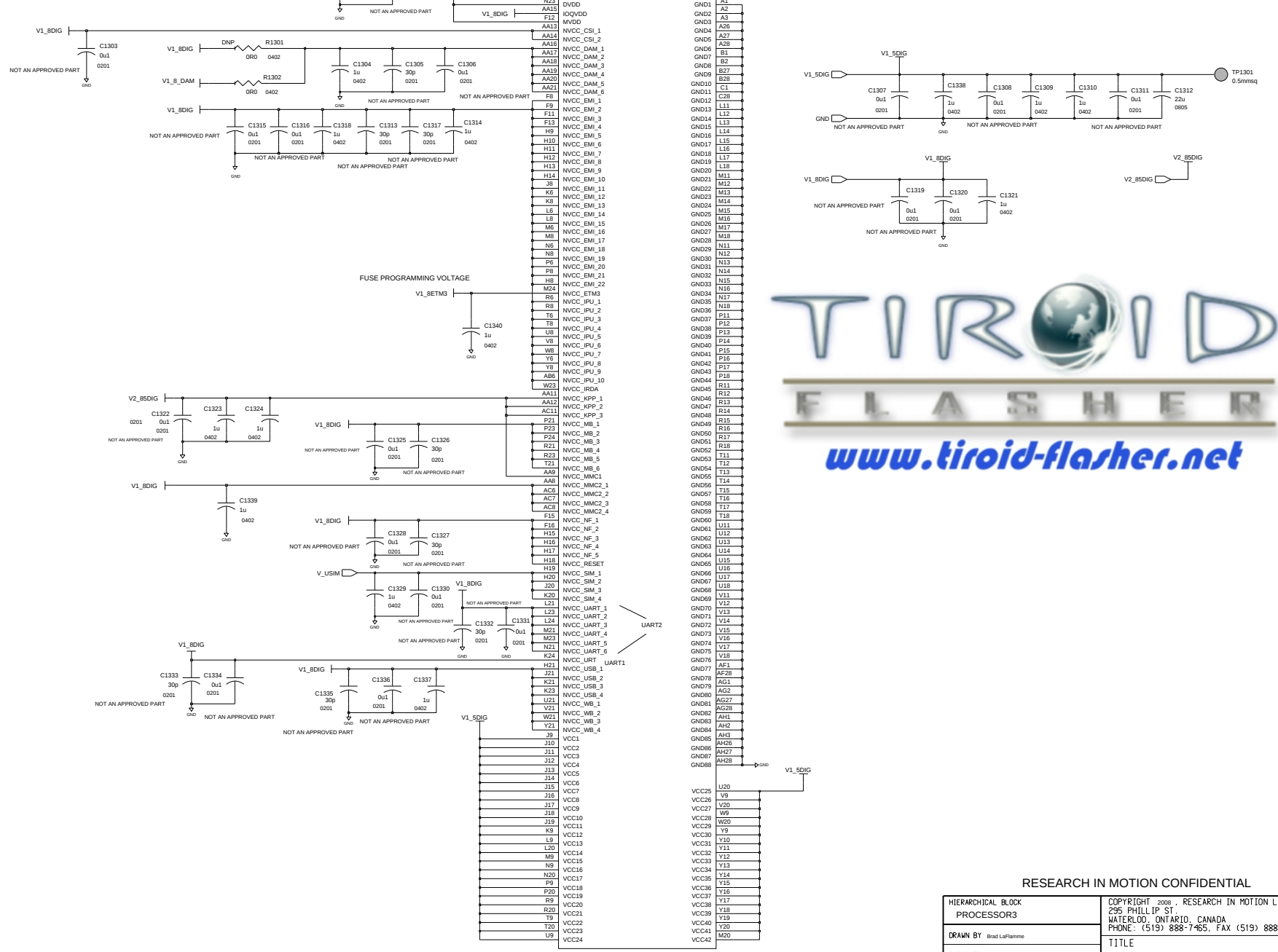


OPTIS LCD CONNECTOR



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HIERARCHICAL BLOCK INTERFACE2		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7455, FAX (519) 888-6306	
DRAWN BY	Brad LaFlamme	TITLE	
R&D CHECK		Javelin - ArgonLV - Main Board	
MFG CHECK		(uses: PCB-17810-006)	
Ed: Led Bu:	blafamm	SIZE	
Lead: Ed: L:	Sep 18, 2008, 1:11:58 pm	DRAWING No. SCH-17811-006	
C		REV 1A	SHEET 12 OF 17



RESEARCH IN MOTION CONFIDENTIAL

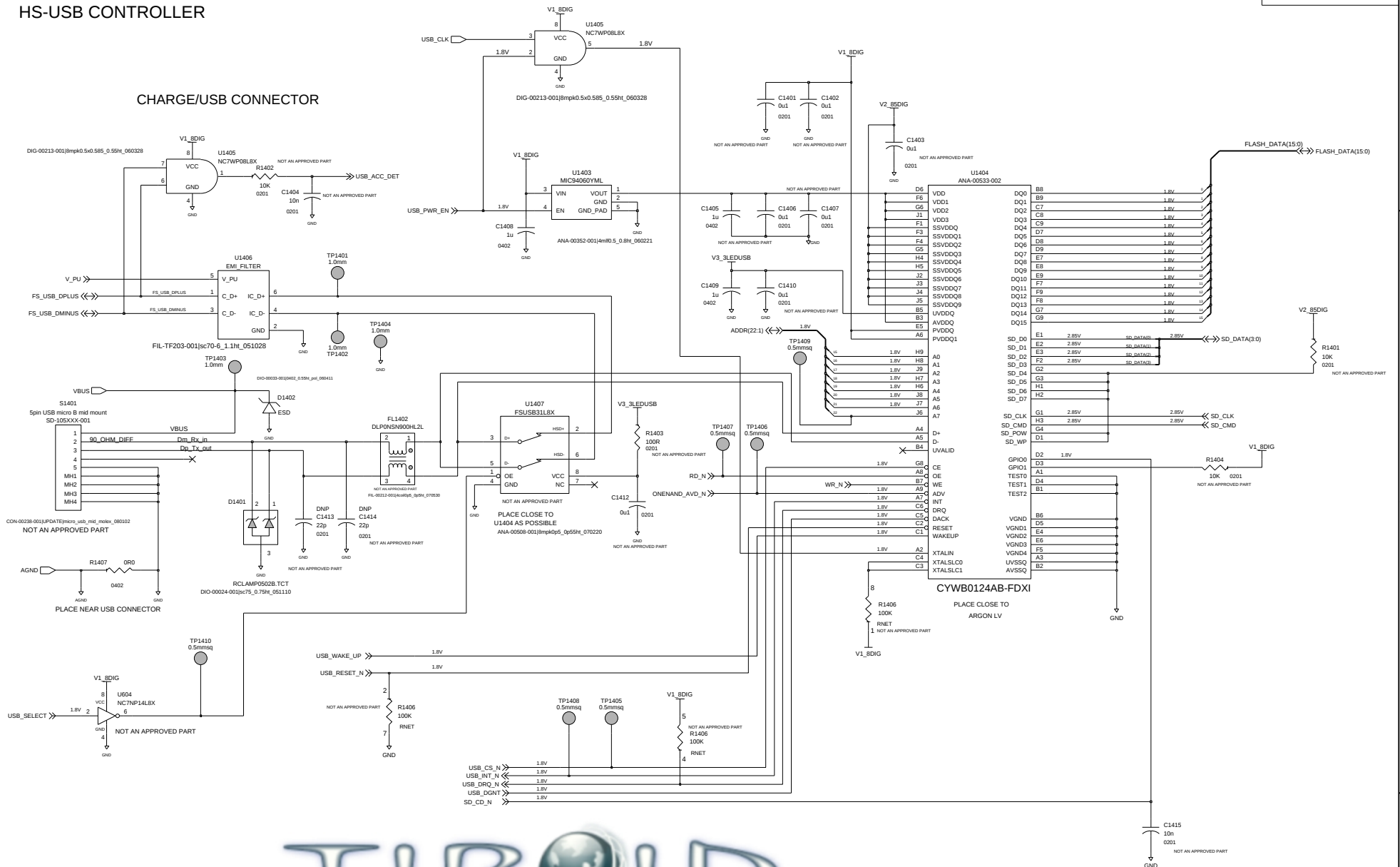
HIERARCHICAL BLOCK PROCESSOR3		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6306	
DRAWN BY: Brad LaFlamme		TITLE Javelin - ArgonLV - Main Board (uses: PCB-17810-006)	
R&D CHECK		SIZE	
PFG CHECK		DRAWING No. SCH-17811-006	
Ed: Led By: blafamm		C	
Last Ed: 11 Sep 18, 2008, 11:42:19 am		REV 1A SHEET 13 OF 17	

DIG-00179-004I604f8ga0p5_1p2ht_0.275pad_080409

NOT AN APPROVED PART

HS-USB CONTROLLER

CHARGE/USB CONNECTOR



SPARE



RESEARCH IN MOTION CONFIDENTIAL

HIERARCHICAL BLOCK PROCESSOR4		COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6306	
DRAWN BY Brad LaFlamme		TITLE Javelin - ArgonLV - Main Board	
R&D CHECK		(uses: PCB-17810-006)	
MFG CHECK		SIZE DRAWING No. SCH-17811-006	
Ed: Led Bu: blafamm		C REV 1A SHEET 14 OF 17	
Last Ed: 1: Sep 18, 2008, 1:13:28 pm			

WLAN

MAC BB

.11b/g FEM

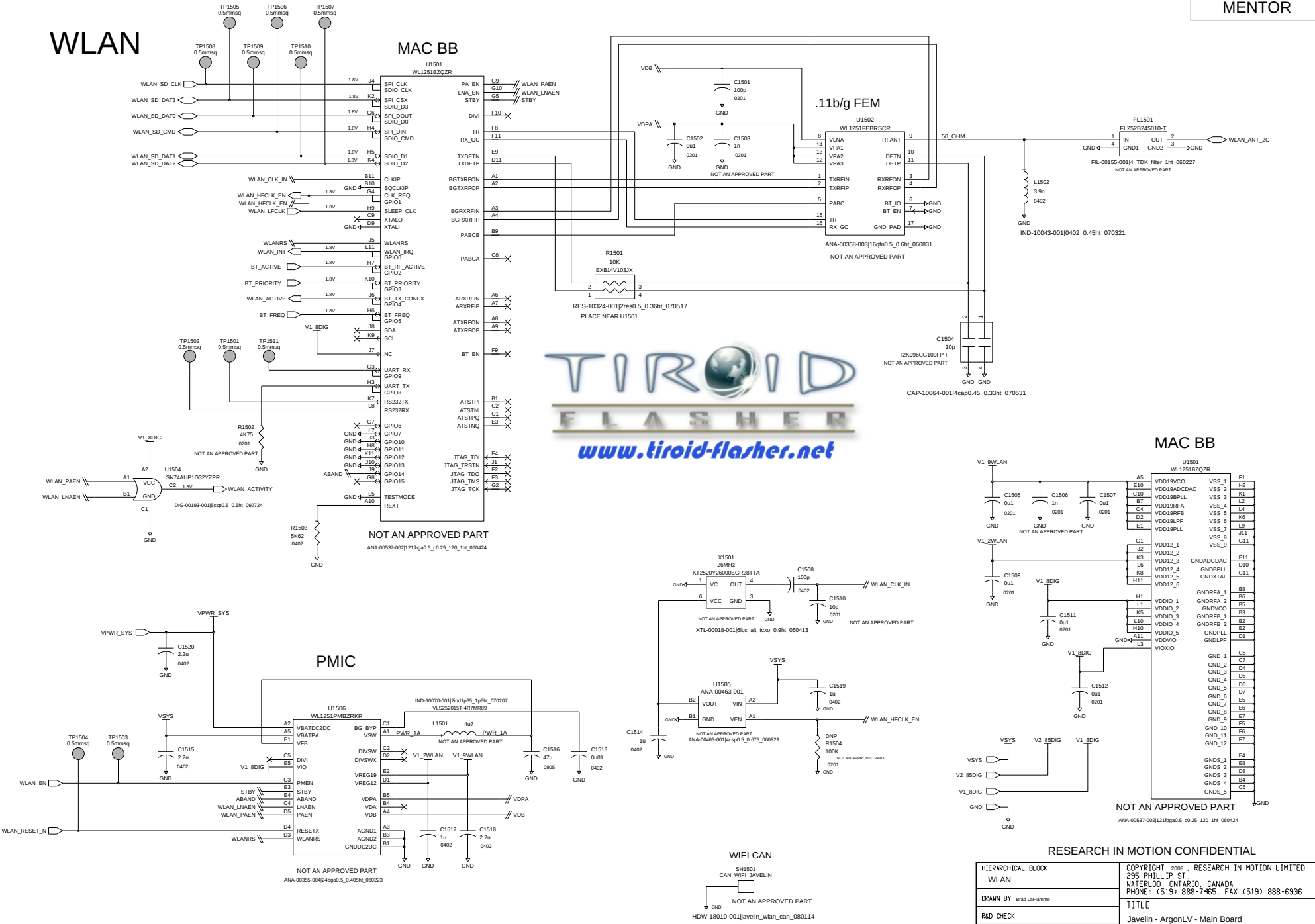
MAC BB

PMIC

WIFI CAN

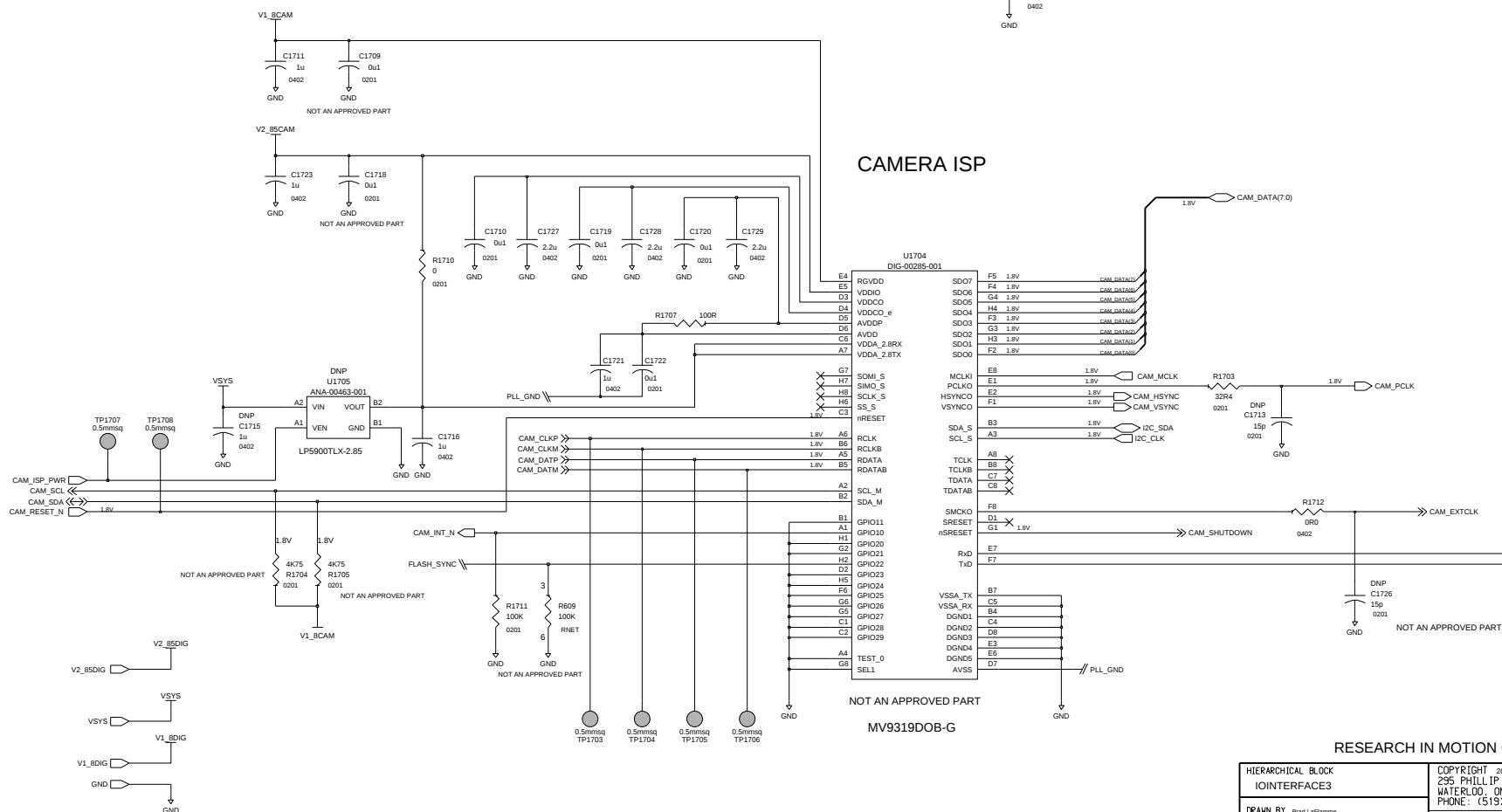
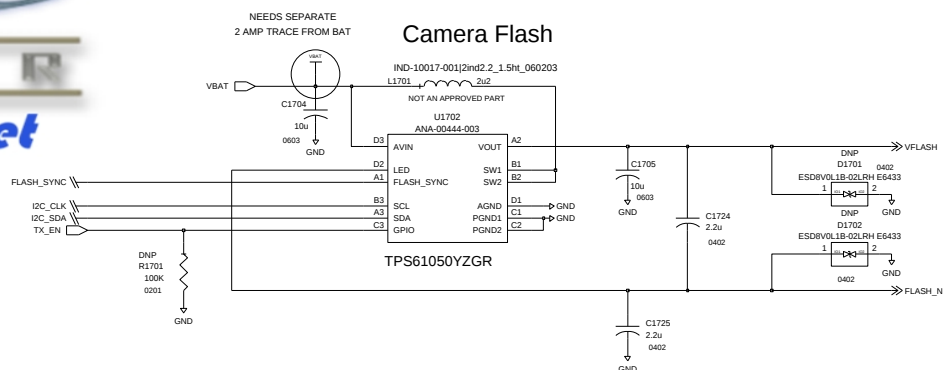
RESEARCH IN MOTION CONFIDENTIAL

HIERARCHICAL BLOCK WLAN	COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7455, FAX (519) 888-6306
DRAWN BY Brad LaFlamme	TITLE Javelin - ArgonLV - Main Board (uses: PCB-17810-006)
R&D CHECK	SIZE DRAWING No. SCH-17811-006
HFQ CHECK	C REV 1A SHEET 15 OF 17
Ed: Led By: blafamme	
Last Ed: 1: Sep 18, 2008, 1:07:21 pm	





HIERARCHICAL BLOCK GPS	COPYRIGHT 2008, RESEARCH IN MOTION LIMITED 2955 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6906		
DRAWN BY: Brad LaFlamme	TITLE		
R&D CHECK	Javelin - ArgonLV - Main Board		
MFG CHECK	(uses: PCB-17810-006)		
Edited By: haddamen	SIZE		
Lead Edit: Sep 18, 2008, 1:07:30 pm	DRAWING No. SCH-17811-006		
	C	REV 1A	SHEET 16 OF 17



HIERARCHICAL BLOCK JOINTERFACE3		COPYRIGHT 2008 RESEARCH IN MOTION LIMITED 295 PHILLIP ST. WATERLOO, ONTARIO, CANADA PHONE: (519) 888-7465, FAX (519) 888-6306	
DRAWN BY Brad LaFlamme		TITLE	
R&D CHECK		Javelin - ArgonLV - Main Board	
MFG CHECK		(uses: PCB-17810-006)	
Esd Lvl By: nullammm		SIZE	
Last Edit : Sep 19, 2008, 10:39:20 am		DRAWING No. SCH-17811-006	
C		REV 1A	SHEET 17 OF 17