

C214 'C307' HIGH (11755)

- 021127
  - the two FOG LEDs added (J1-1 and J1-16 connector pins)
  - RN211, RN212 added (390 ohm)
  - C203, C203A taken off
  - R96 changed to 750 ohm
  - the pointer illum. ress changed (R105, R401)
  - NR601 (2k7) taken off
  - R802 (10k) added at Q5 base
- 021128
  - the fog telltail circuit changed
  - the pedal circuit changed
- 021209
  - Y1, IC1 part numbers changed
  - C201, R612, RN211, RN212 taken off
- 030109
  - C3A, C53A, C6A, C23A, C24A, C59A and C62A taken off
  - (22n --> 10n ; 220n --> 100n)

C307 HIGH (Job.1439)

- 030407
  - MENU\_SW2 switch input added (J1-2)
  - stepper motor TP's deleted (Pg3)
  - TP611 deleted (Pg7)
  - C206 deleted (Pg4)
  - C910, R910, RN9, TP910, TP911 added (Pg4)
  - NAV LCD, connector J4 :
    - \* pin 3 (VDD) tied up to VCC
    - \* M\_NAV\_RESET connected to <POR>
  - net CHM\_33K added
- 030520
  - \*Pg2:
    - TPLCD2 and NC39 deleted
    - the heatsink TP's deleted
  - \*Pg3,5:
    - Q109 (deleted) merged into Q110
    - \* PAT5 LED LR8 controlled directly from the micro ICI
  - \*Pg6:
    - R88A & R101A deleted,
    - R88 & R101 change to 300 ohm (were of 390 ohm)
- 030523
  - R47 & R47A change to 1k5 (were 1k)
- 030530
  - the LEDs p/n=NE11002BFA... changed to p/n=NE21007BFA... (green)
- 030613
  - \* the test points TP160 and TP161 deleted (PLL: C44, C45, R56)
  - \* the PLL tracks to be screened
- 030617
  - \* duplicate TP's (153, 253, 802) deleted on Pg2 and Pg3.
  - \* all Ncxx cells / parts deleted

PART MUST COMPLY WITH SPECIFICATION MS-899999-01 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

Visteon PRODUCT ENGINEERING

COMPUTER MANUAL "E" SIZE

CU COLOR = GRAPHIC DATA LEVEL ORIGINAL WHEN RED

DO NOT SCALE ABOVE SCALE FOR REFERENCE ONLY

REF ...C307, HIGH

DRAWN BY DATE CHECKED SCALE APPROVED

V. POLESKIC 030617 NONE V. POLESKIC

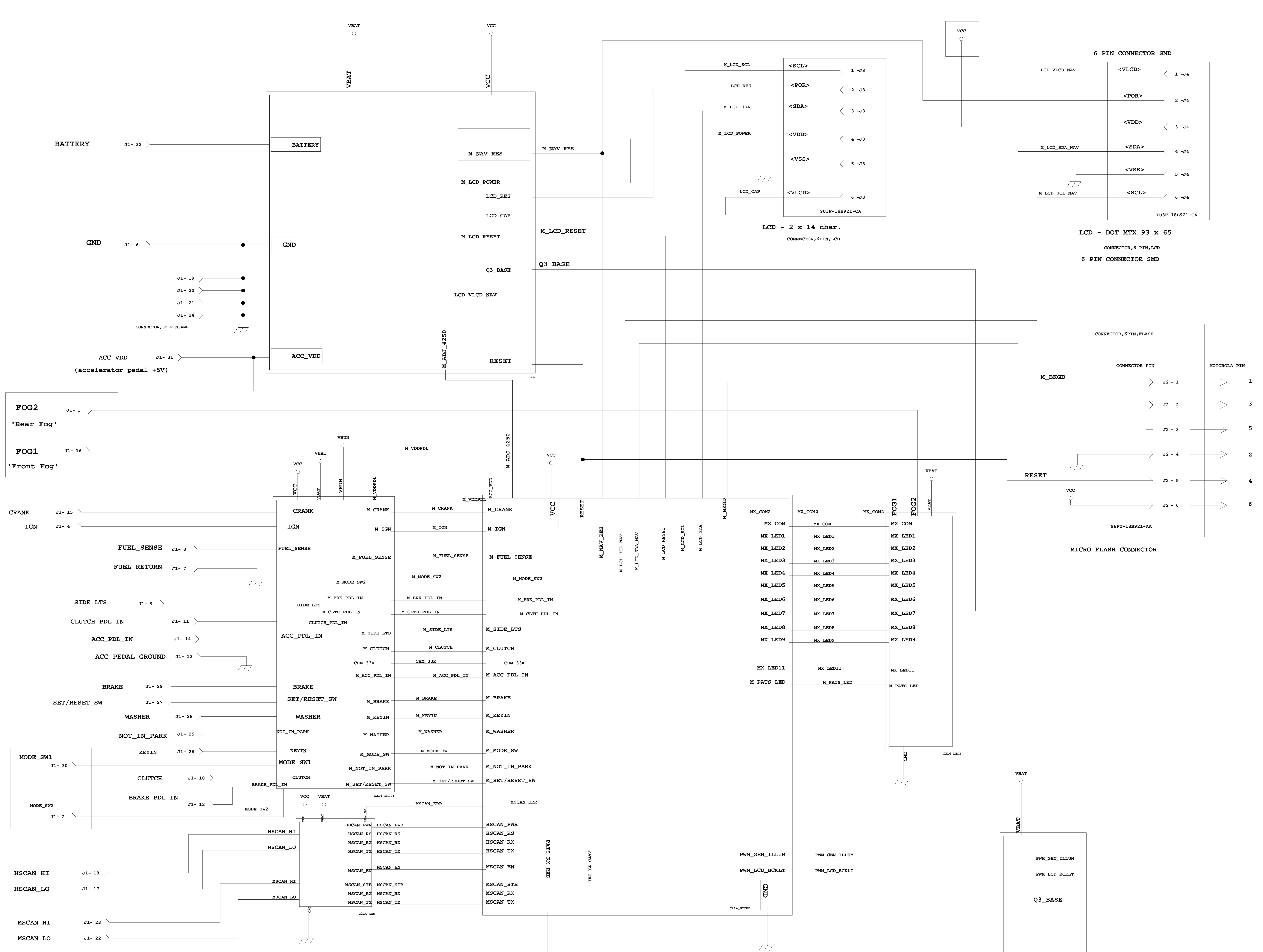
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS 3RD ANGLE PROJECTION STAMPED DIM. +/-

MATERIAL APP C307 HIGH

DATE 030617

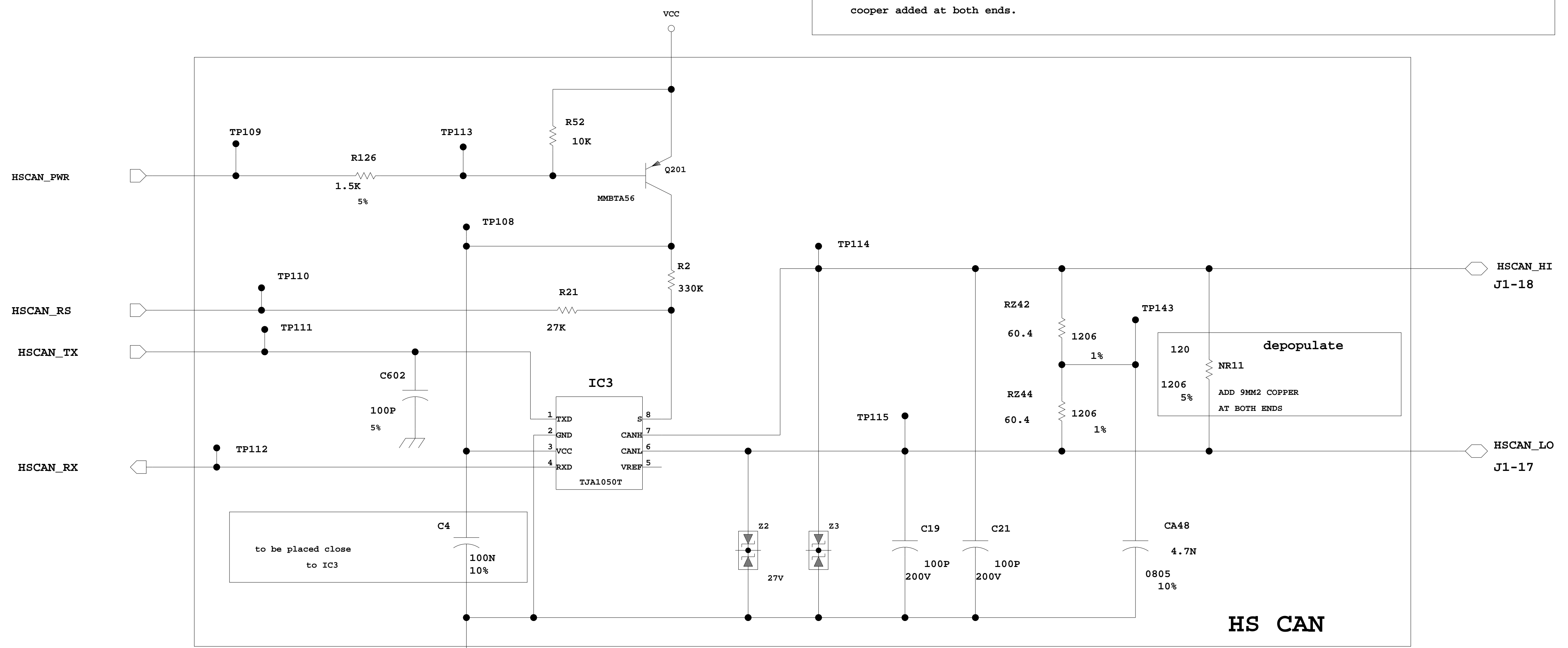
NAME SKETCH - WIRING DIAGRAM PWB12147

NO. 4M5F-14A608-CB-02

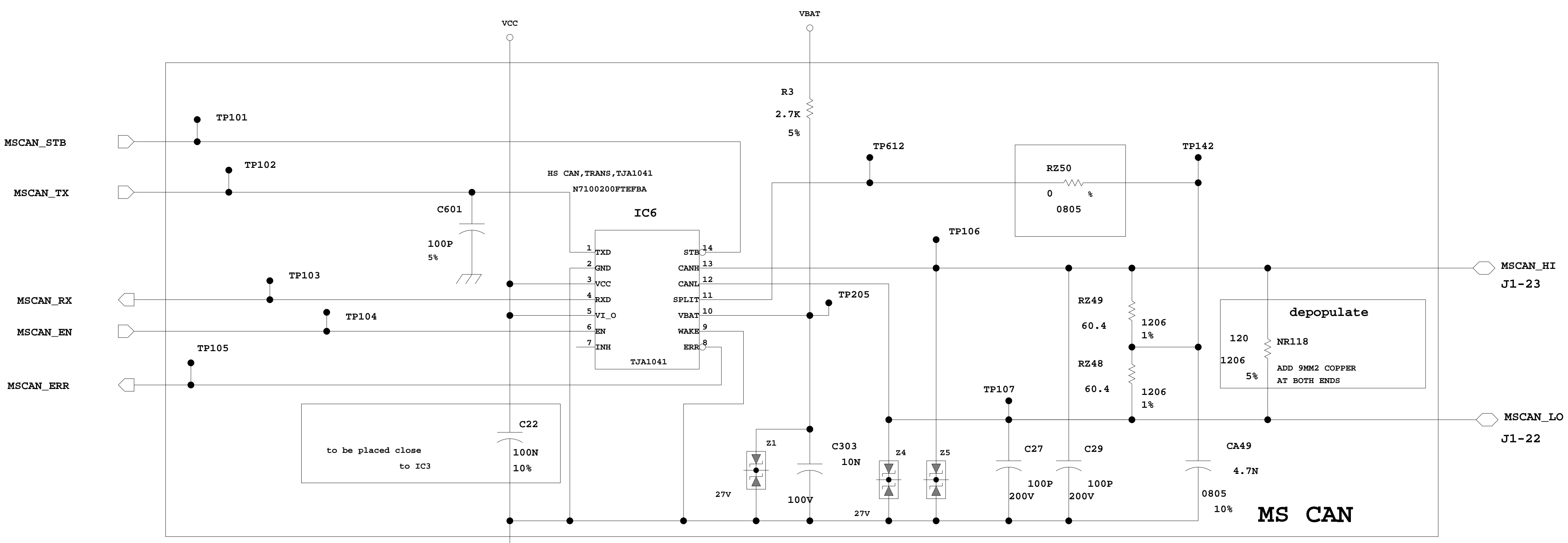


The production note :  
 the parts to be depopulated :  
 NR11, NR118, C2A,

- CAN output lines xxx\_HI and xxx\_LO to be screened.  
 - the 60.4 ohm and 120 ohm resistors to have 9 mm2 cooper areas  
 cooper added at both ends.



HS CAN



MS CAN

NO. MS-XXXX-3458-XX						
DATE	LET	REVISIONS	CG	MAN	CK	APP
020520		C214 1PP HIGH (11242) - R126 changed to 1k5 (was 1k)				
020726		C214 1PP HIGH (11408) - no changes made				
021126		C214 'C307' HIGH (11755) - NR601 (2k7) taken off at WAKE pin - C601, C602 changed to 100p				
030407		C307 HIGH (12147) - TP610 deleted (IC6-9)				

PART MUST COMPLY WITH SPECIFICATION M55-M99F9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

**Visteon** PRODUCT ENGINEERING

COMPUTER  MANUAL "D" SIZE

CG COLUMN = GRAPHIC DATA LEVEL ORIGINAL WHEN RED

ENGLISH 1 2 3 4 5 6  
 METRIC 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DO NOT SCALE ABOVE SCALE FOR REFERENCE ONLY

REF \C307_HIGH	DATE	CHECKED	SCALE	APPROVED
V. POLEKSIC	030407		NONE	

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN  INCHES  MILLIMETERS  
 MACHINED DIM. +/- ANGULAR DIM. +/-

3RD ANGLE PROJECTION STAMPED DIM. +/-

MATERIAL	APP C214 C307 HIGH
DATE	030407

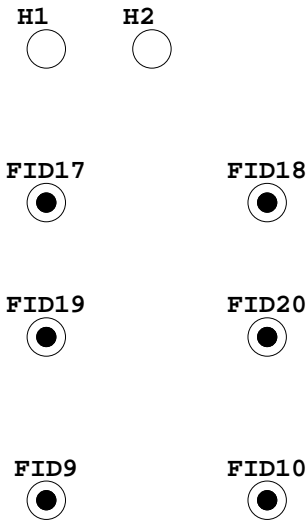
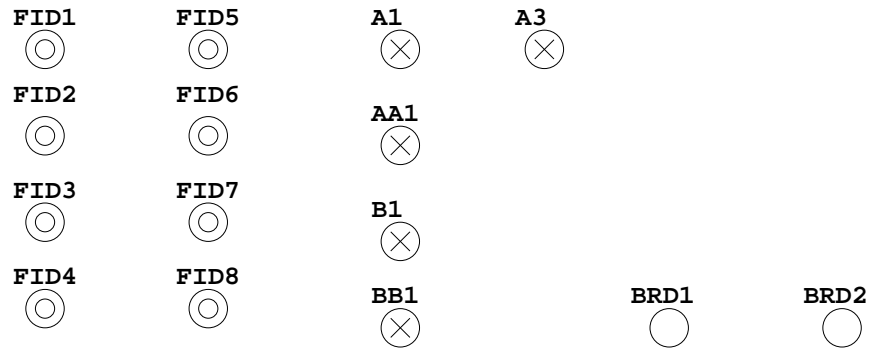
NAME SKETCH - WIRING DIAGRAM C214\_CAN

NO. MS-4M5F-3458-CJ
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CADIZ MECHANICAL DETAIL

THIS SHEET IS NOT TO BE CHANGED

MOTHERPANEL DETAIL



DAUGHTER BOARD DETAIL

TOOLING HOLES (2.5mm/HL-098)  
(test/routing)

GLOBAL FIDUCIALS (top)

ED1

ED2

EDGE  
MARK

EDGE  
MARK

H4 CHANGED FROM PTH  
TO NPTH MCL 010402  
H6, H7 , H13, H14 removed.

CM1

CM2

CM3

CM4

CROP  
EDGE  
MARK

CROP  
EDGE  
MARK

CROP  
EDGE  
MARK

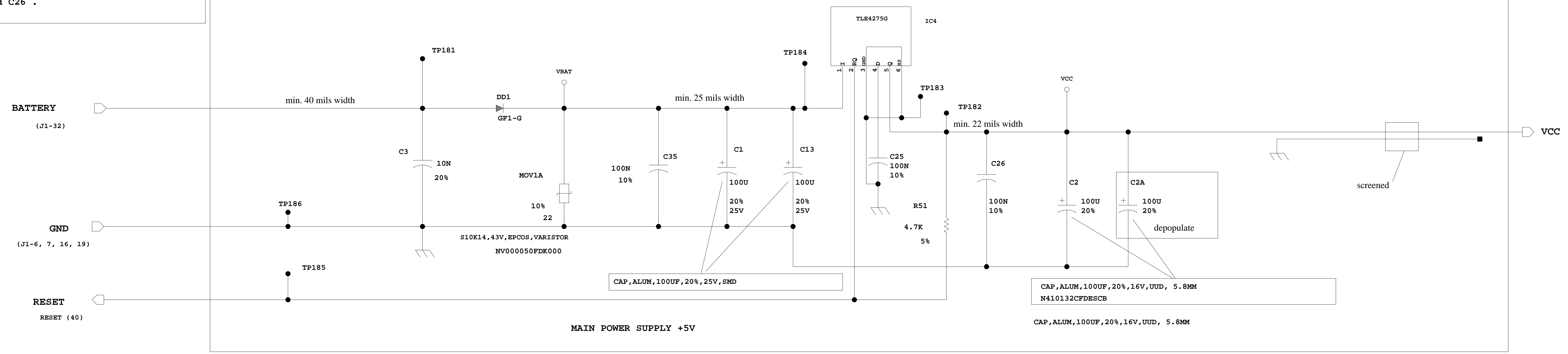
CROP  
EDGE  
MARK

\* min 2 vias on each layer  
flip, from DD1 (VBAT) towards:  
C53, C3, C35 and C26 .

for DD1 : create 25 mm2 copper plane, at both ends

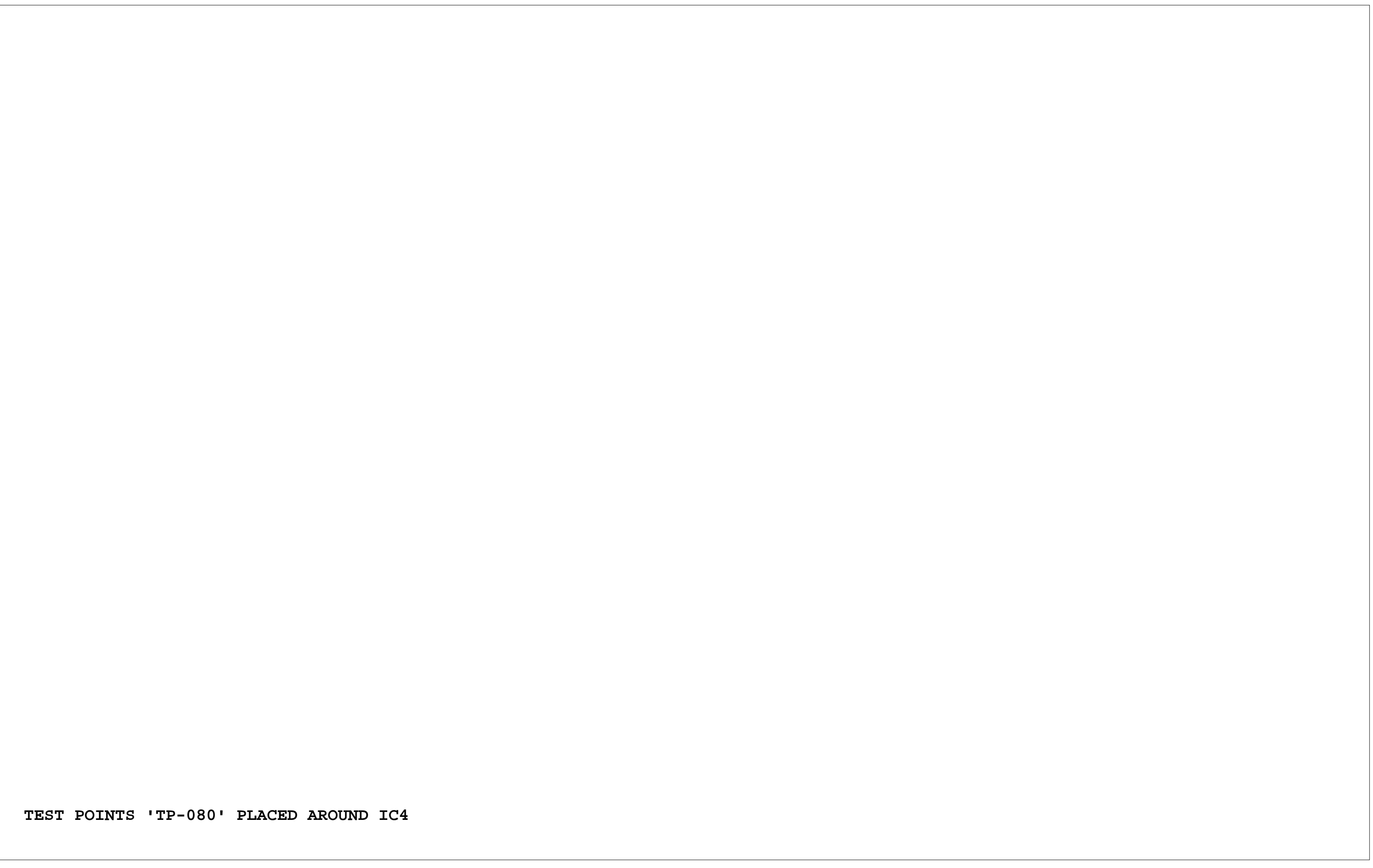
C1, C13, C35, C35A, C25 and C26 to be placed close to IC4.

Note: Create min. 950 mm2 of copper plane around tab of IC4, with NO thermal break

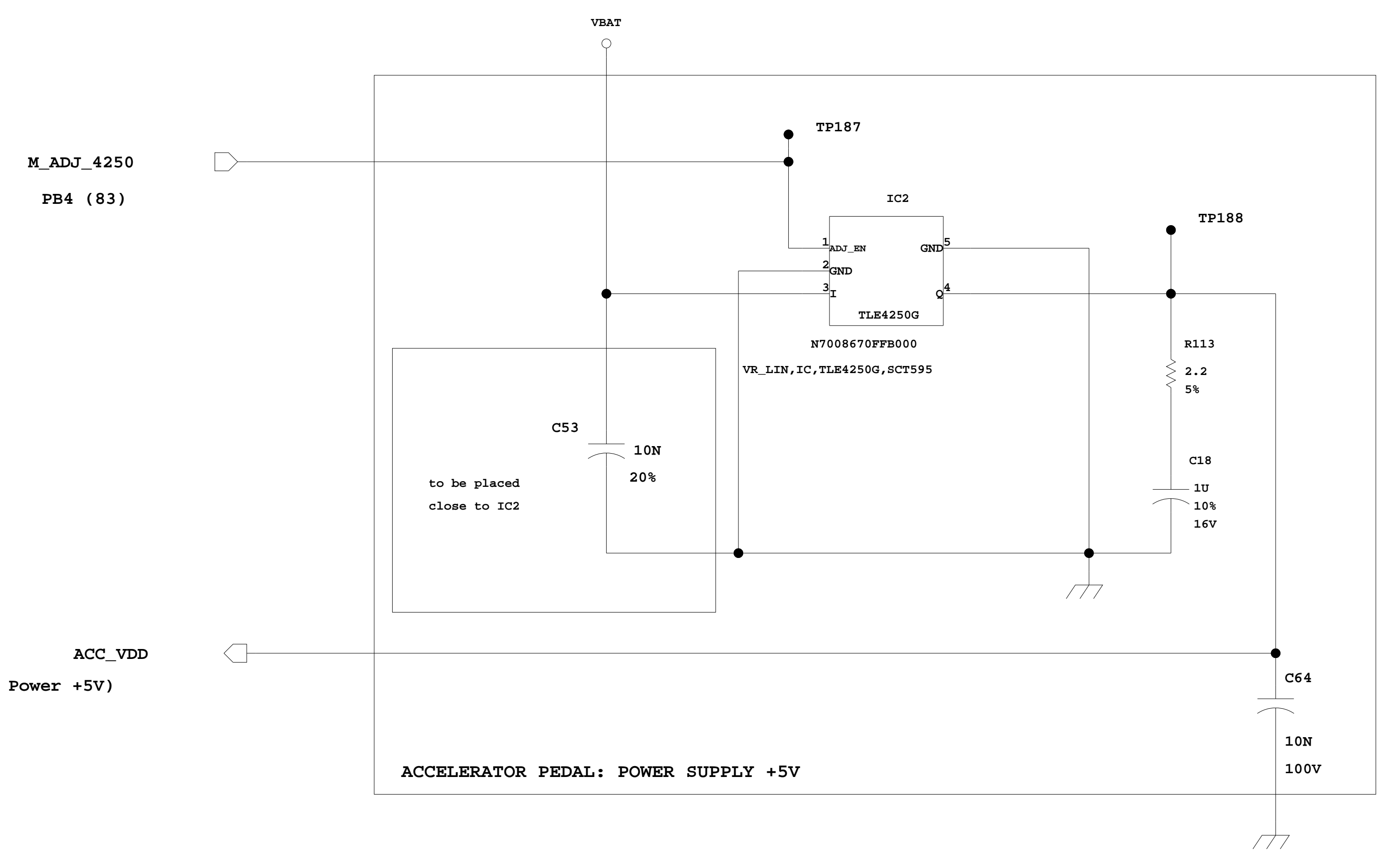


MAIN POWER SUPPLY +5V

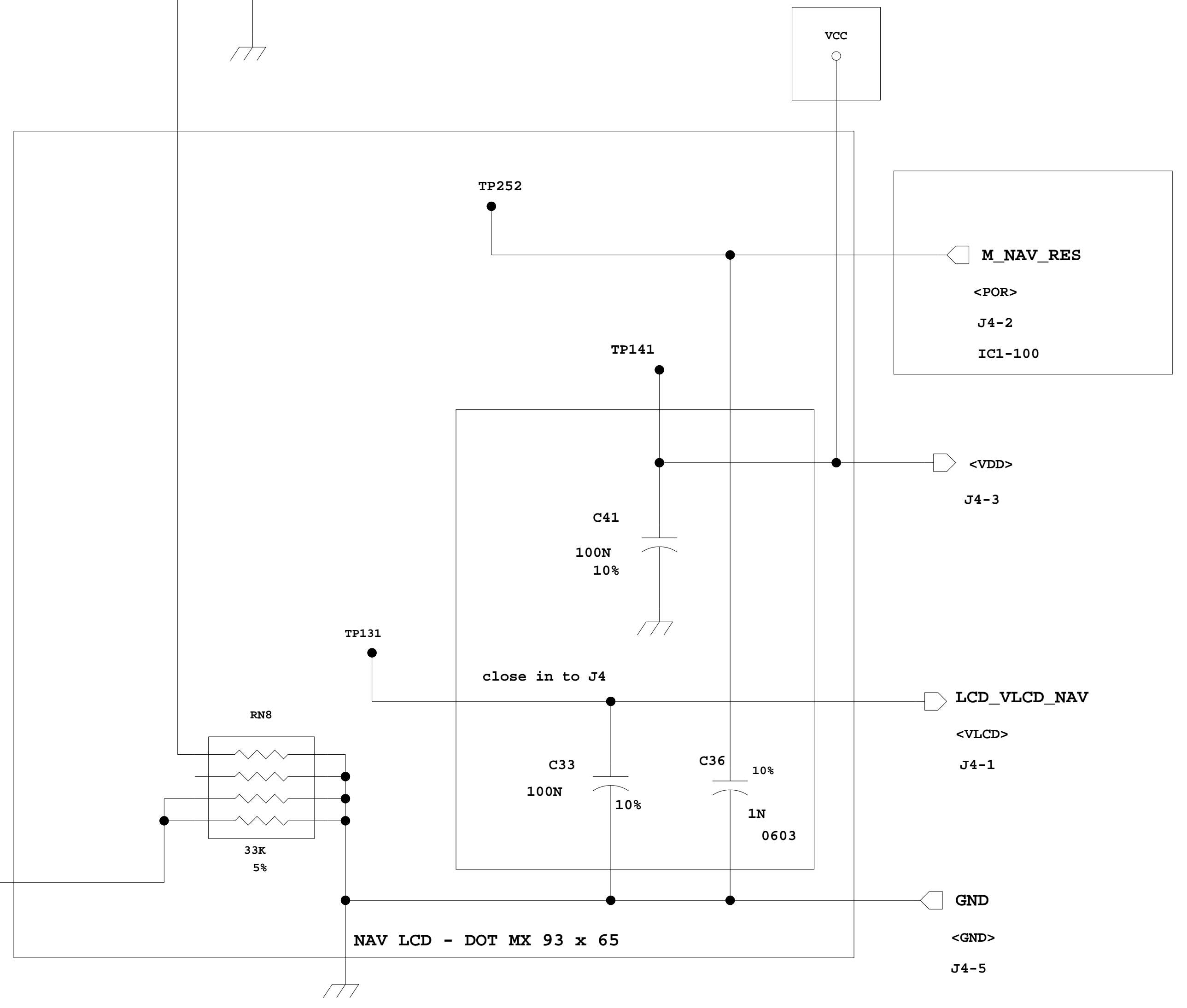
CAP,ALUM,100UF,20%,16V,UUD, 5.8MM N410132CFDBSCB



MSSG LCD - 2 x 14 char.



ACCELERATOR PEDAL: POWER SUPPLY +5V



NAV LCD - DOT MX 93 x 65

NO. MS-XXXX-3458-XX						
DATE	REV	REVISIONS	CU	MAN	CK	APP
011031		- heat sink TP's 'HSPxx' added (154).				
020211		- res. 22k swapped with 27k. - res 27k swapped with 33k (RNB). - D11, D13 removed. - M_LCD_NAV net removed. - C2A, C2B option : ceramic 22uF/10V				
020228		C36, C38, C204, C205 changed to '0603'				
020520		C214 1PP HIGH (11242) - C2B taken off - R46 added (27k) - C36 & RNB-2 relocated - C2 & C2B replaced by '100uF, UUD, 5.8mm' cap				
020726		C214 1PP HIGH (11408) - no changes made.				
021126		C214 'C307' HIGH (11755) - no changes made.				
030109		- C3A, C35A taken off - C3=10n, C35=100n				
030407		C307 HIGH (12147) - NAV LCD, connector J4 : * pin 3 (VDD) tied up to VCC * M_NAV_RESET connected to <POR> * R46 and C38 deleted - C53A deleted - C53 replaced by 10 nF				
030519		- the heatsink TP's deleted				
030617		- TP253 deleted				

PART MUST COMPLY WITH SPECIFICATION MS-899999-01 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT	
<b>Visteon</b> PRODUCT ENGINEERING	
<input type="checkbox"/> COMPUTER	<input type="checkbox"/> MANUAL
SCALE: ORIGINAL WHEN RED	
DO NOT SCALE ABOVE SCALE FOR REFERENCE ONLY	
REF	...
DESIGN BY	DATE
Y. POLKESIC	030407
CHECKED	SCALE
	NONE
UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN	
<input type="checkbox"/> INCHES	<input type="checkbox"/> MILLIMETERS
MACHINED DIM. +/- ANGULAR DIM. +/-	
3RD ANGLE PROJECTION	
FIRST ANGLE PROJECTION	
MATERIAL	APP
	C307 HIGH
DATE	030407
NAME	SKETCH - WIRING DIAGRAM
	PG.1
NO.	MS-4M5F-3458-CJ
	PLANT CODE:

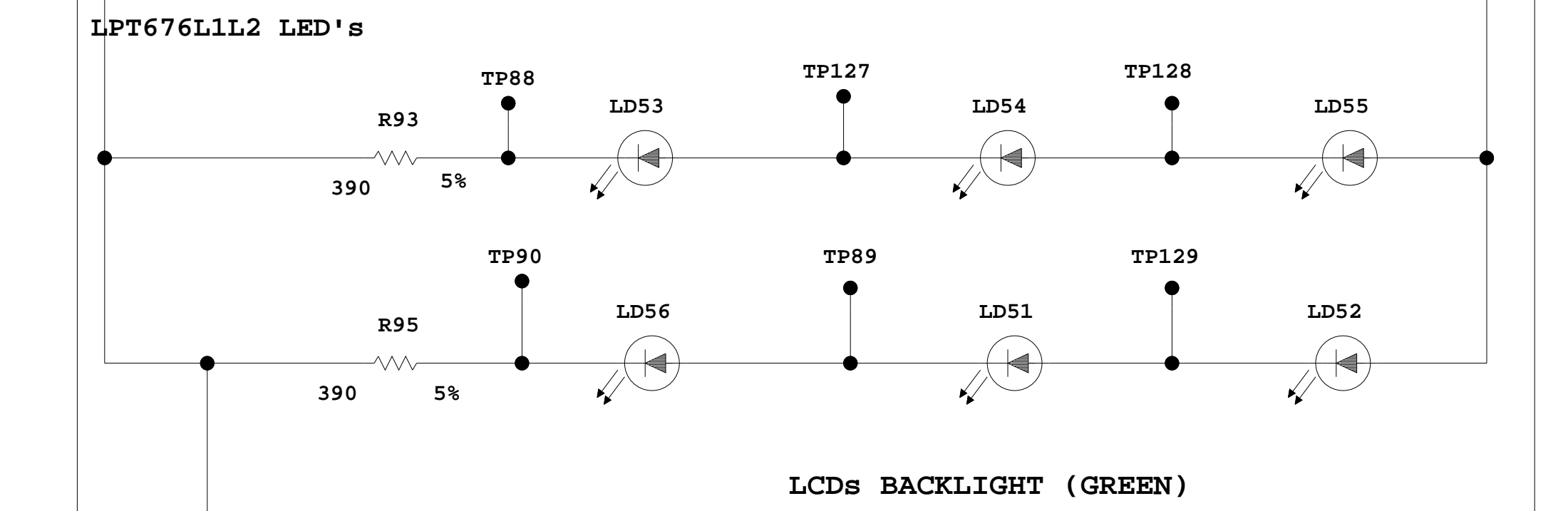
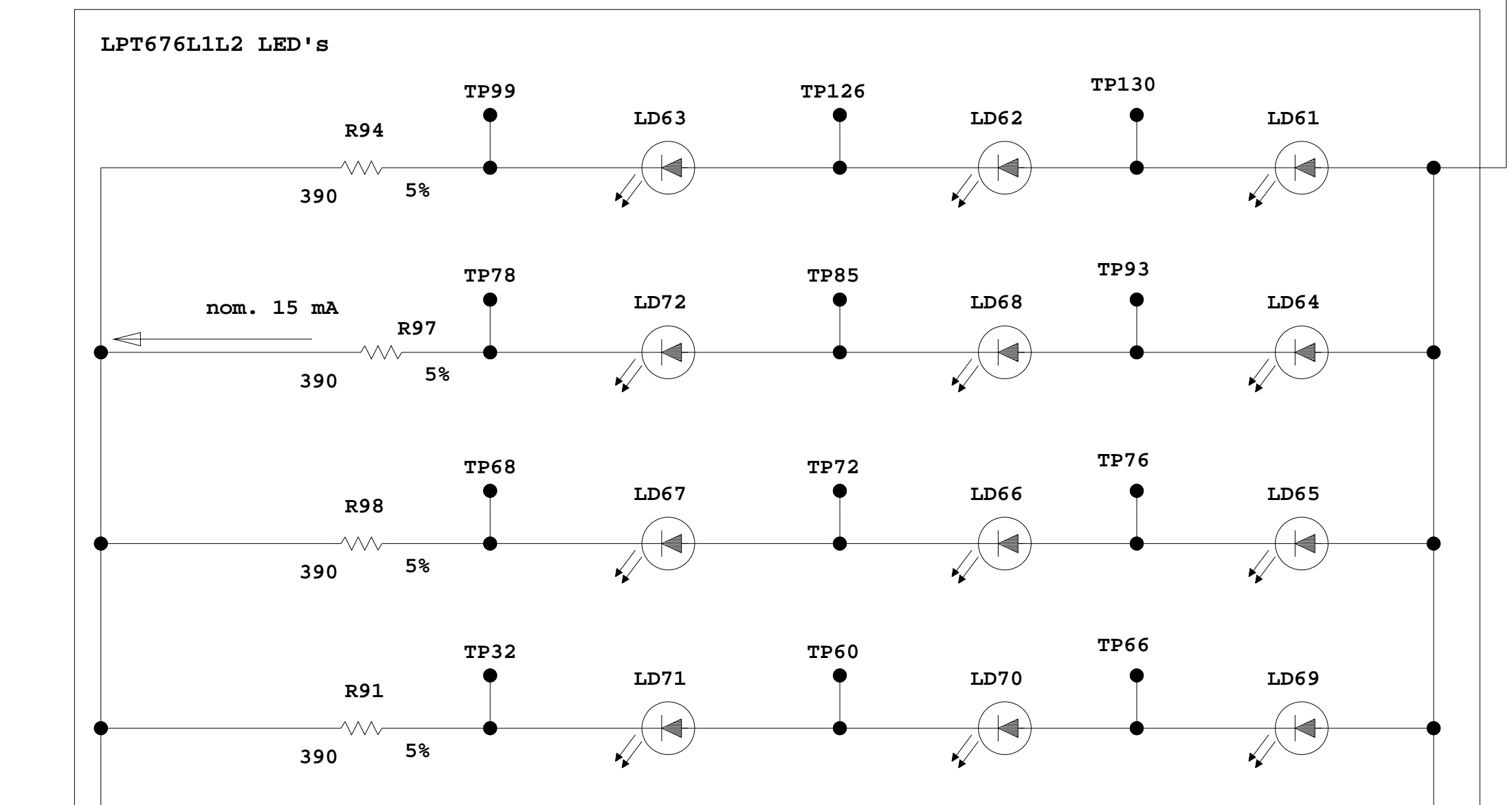
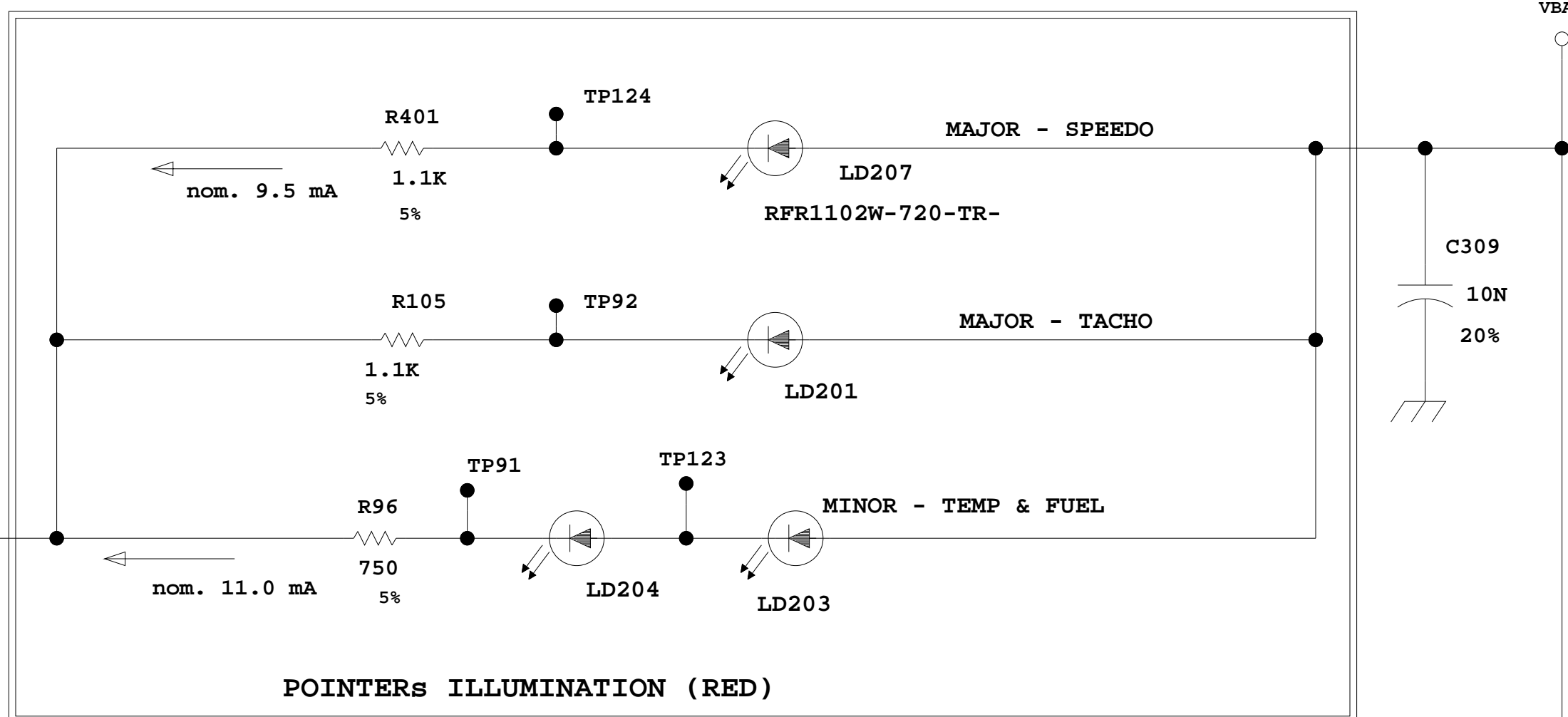
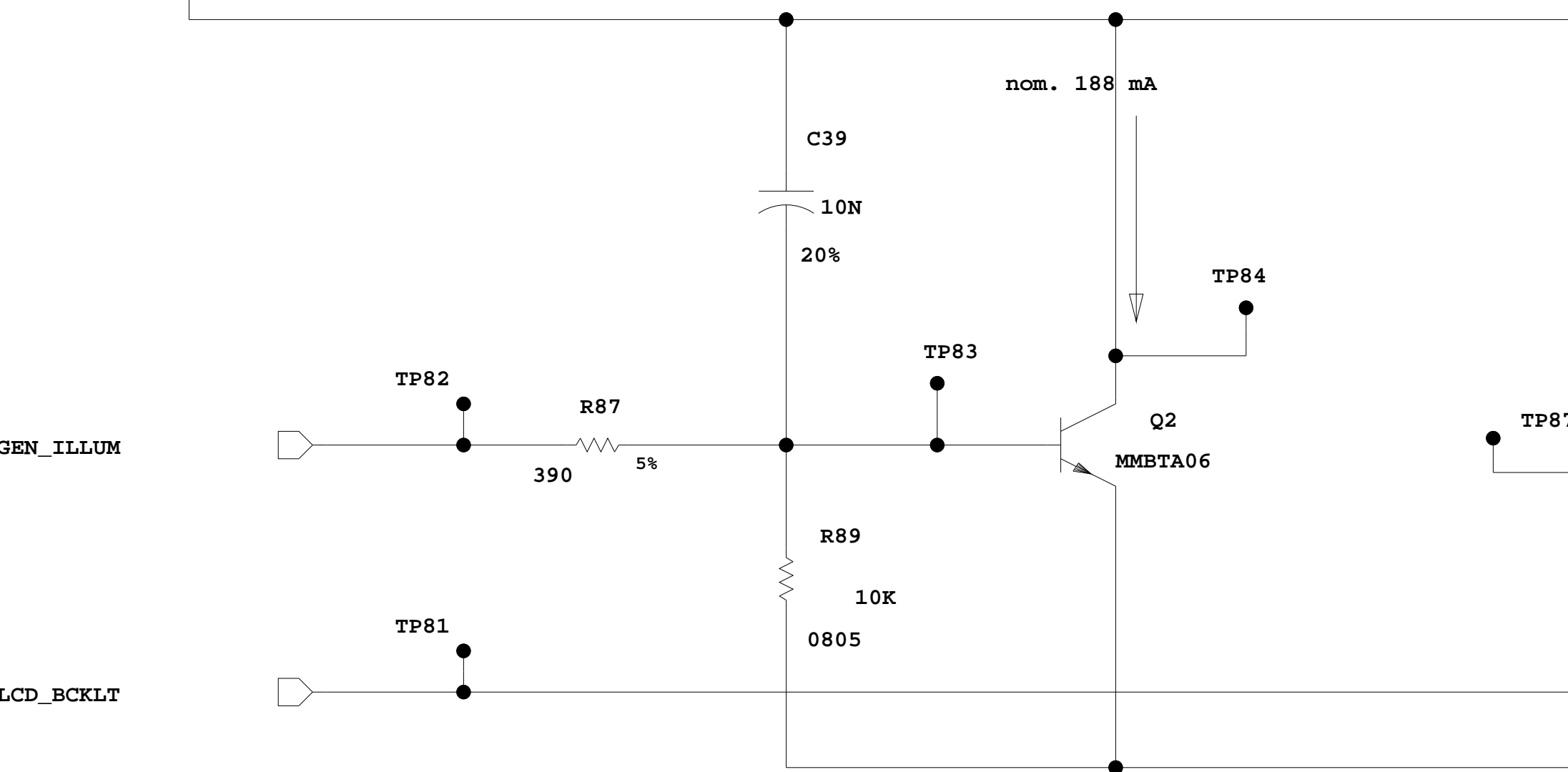
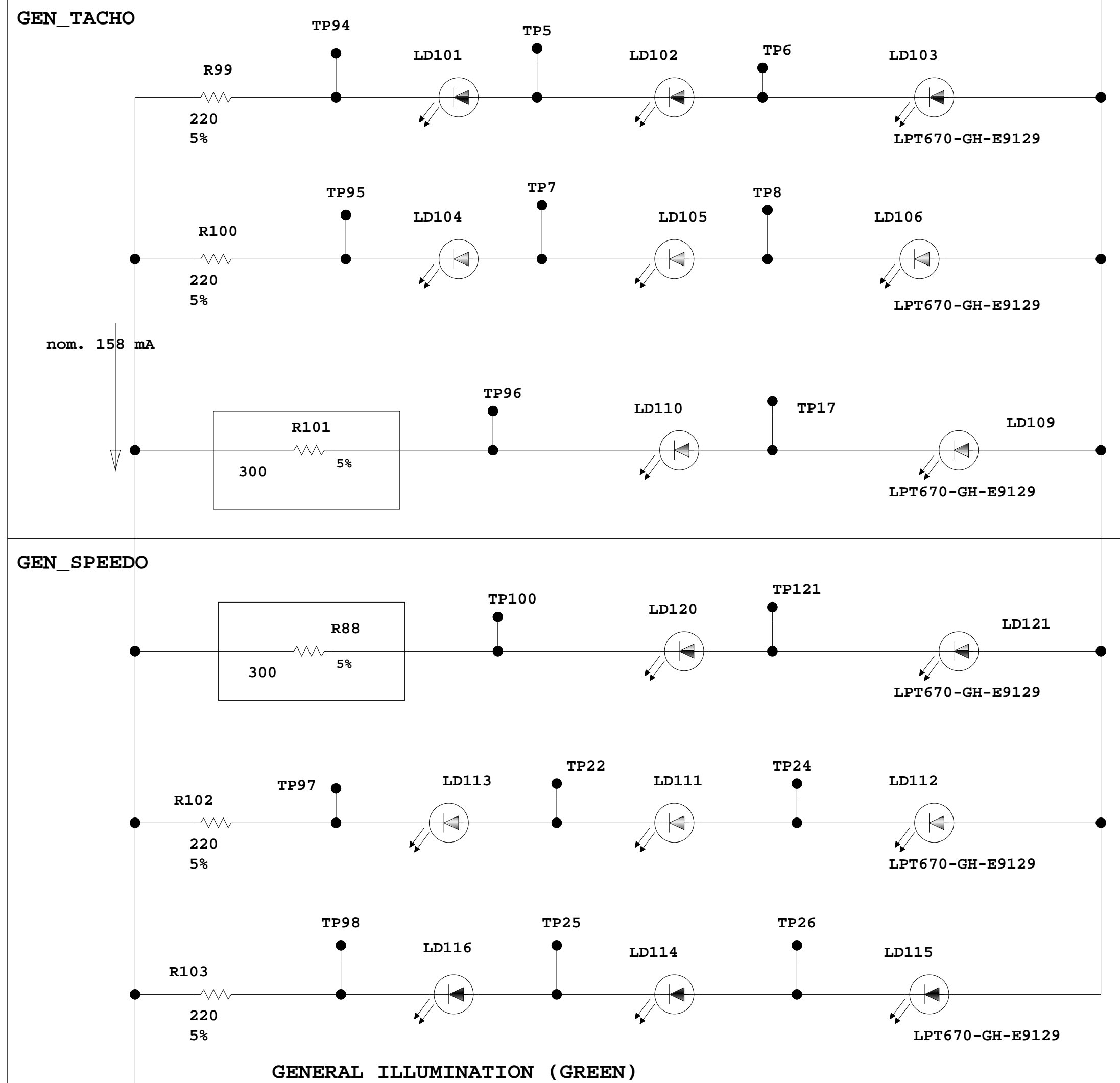
NOTE: LEDS TO USE ALTERNATE WITH EITHER

16MM2 COPPER AT CATHODE (OSRAM LED'S)

9MM2 COPPER AT BOTH ENDS (STANLEY LED'S)

- Q221 to be placed close to R77 and R79 ('input' circuit).

- R88, R101, R105, R401:  
9 mm2 cooper needed at both ends.



\* min 2 vias on each layer  
flip, from DD1 (VBAT) towards:  
C302 and C309 .

Q3\_BASE  
(Pg2, RN8)

NO. MS-XXXX-3458-XX						
DATE	LET	REVISIONS	CG	MAN	CK	APP
C214 C307 HIGH (11755)						
021126						
- the res R96 changed to 750 ohm (was 560 ohm)						
- the res R105,R401 changed to 1k1 (were 680 ohm)						
C307 HIGH (12147)						
030407						
- C302A and C309A deleted						
- C302 and C309 replaced by 10 nF						
030520						
- R88A & R101A deleted,						
- R88 & R101 change to 300 ohm (were of 390 ohm)						
030530						
- the LED's p/n=NE11002BFA... changed to p/n=NE21007BFA... (green)						

PART MUST COMPLY WITH SPECIFICATION WSS-M99F9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

**Visteon** PRODUCT ENGINEERING

COMPUTER  MANUAL "D" SIZE

CG COLUMN = GRAPHIC DATA LEVEL ORIGINAL WHEN RED

ENGLISH 1 2 3 4 5 6  
METRIC 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

DO NOT SCALE ABOVE SCALE FOR REFERENCE ONLY

REF	\C307_HIGH
DRAWN BY	V. POLEKSIK
DATE	030520
CHECKED	
SCALE	NONE
APPROVED	

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN  
 INCHES  MILLIMETERS

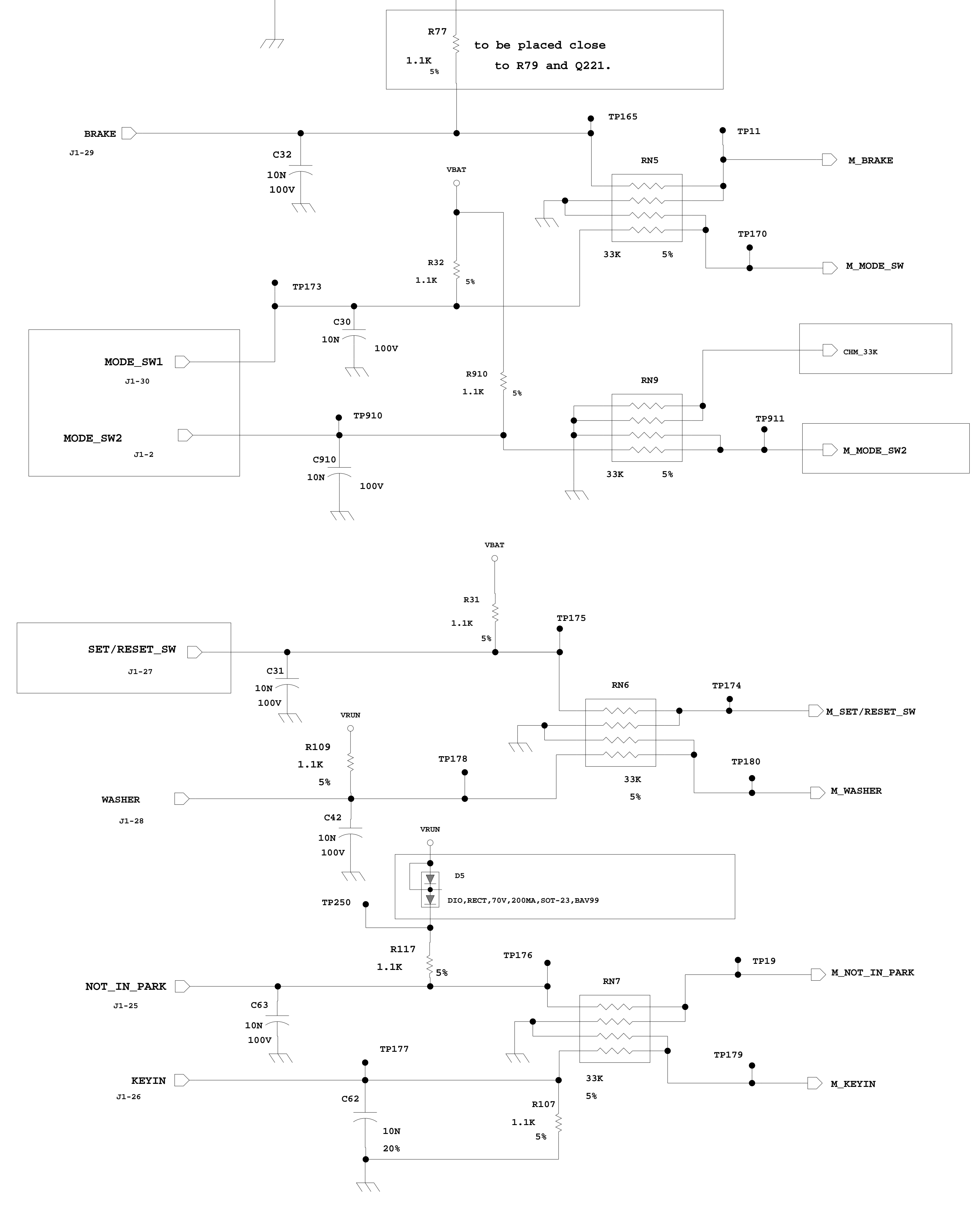
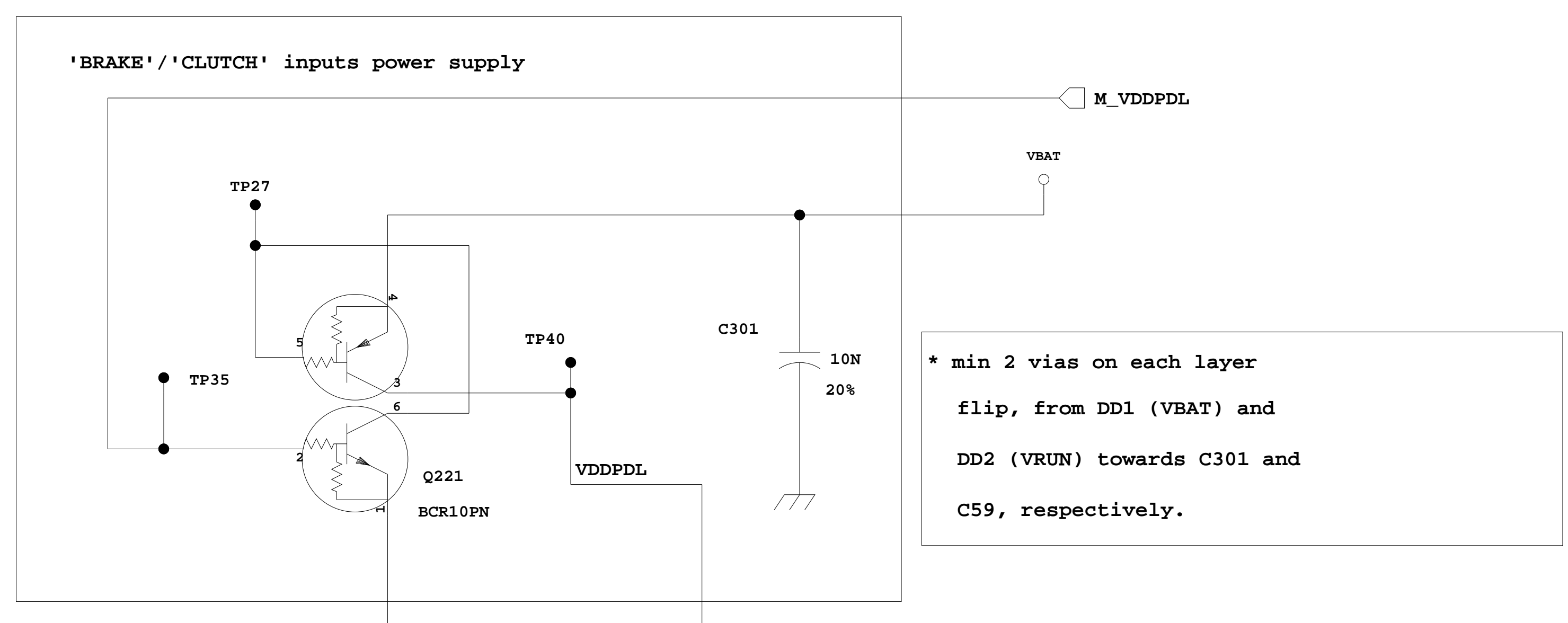
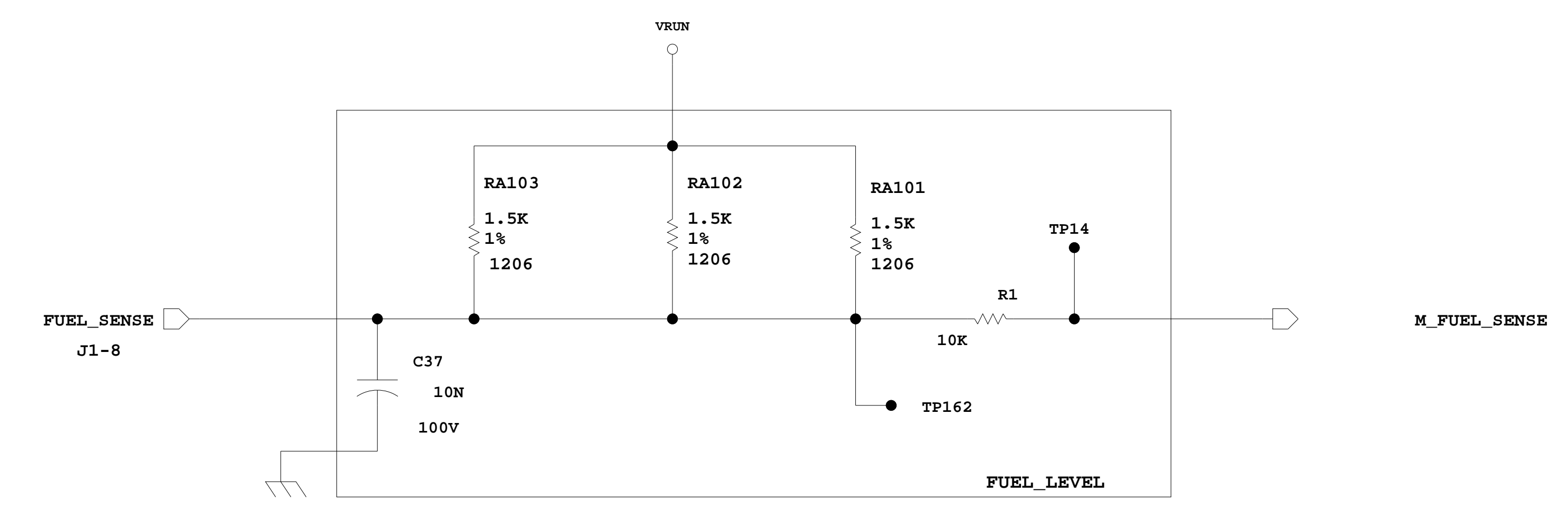
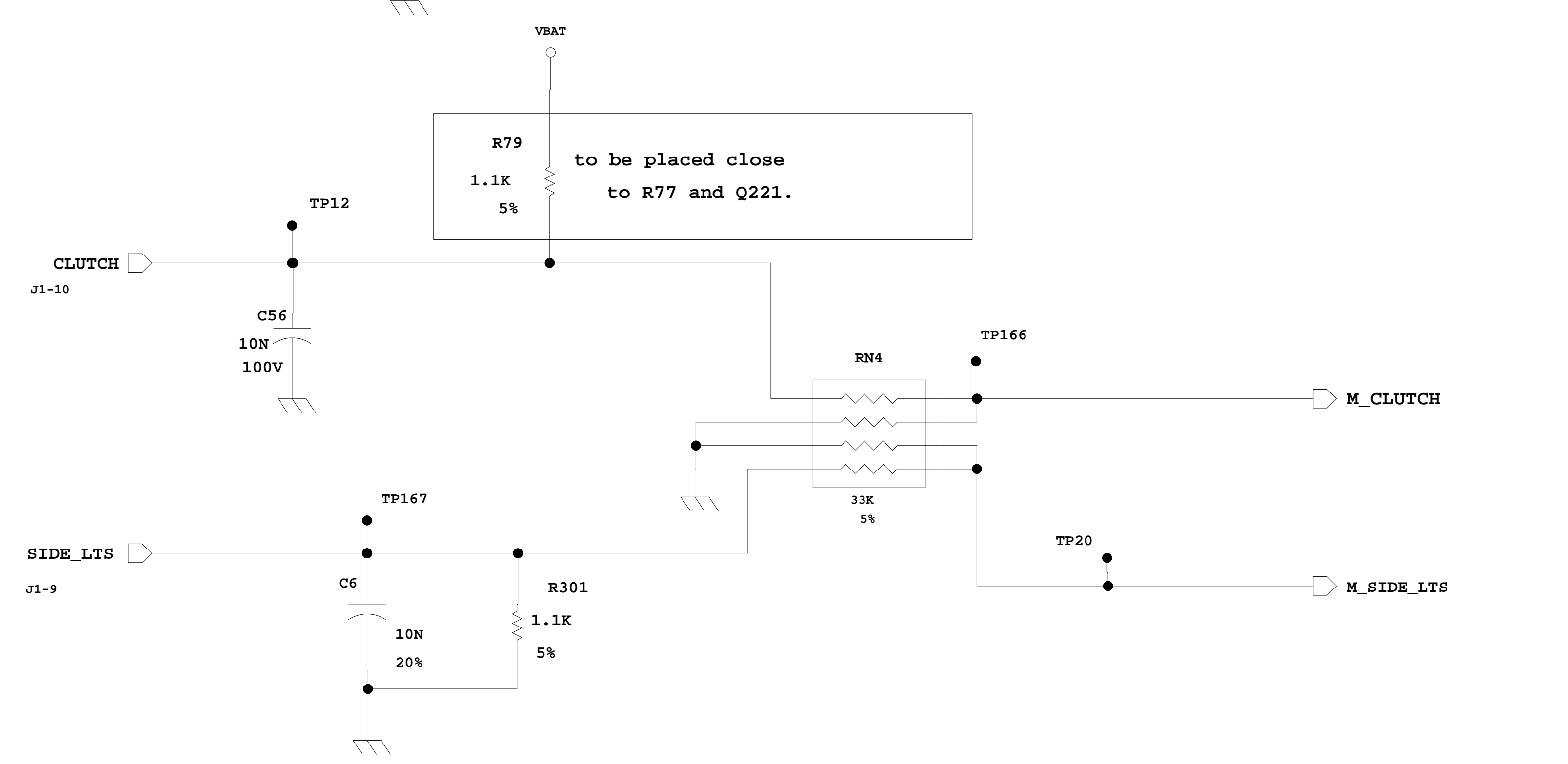
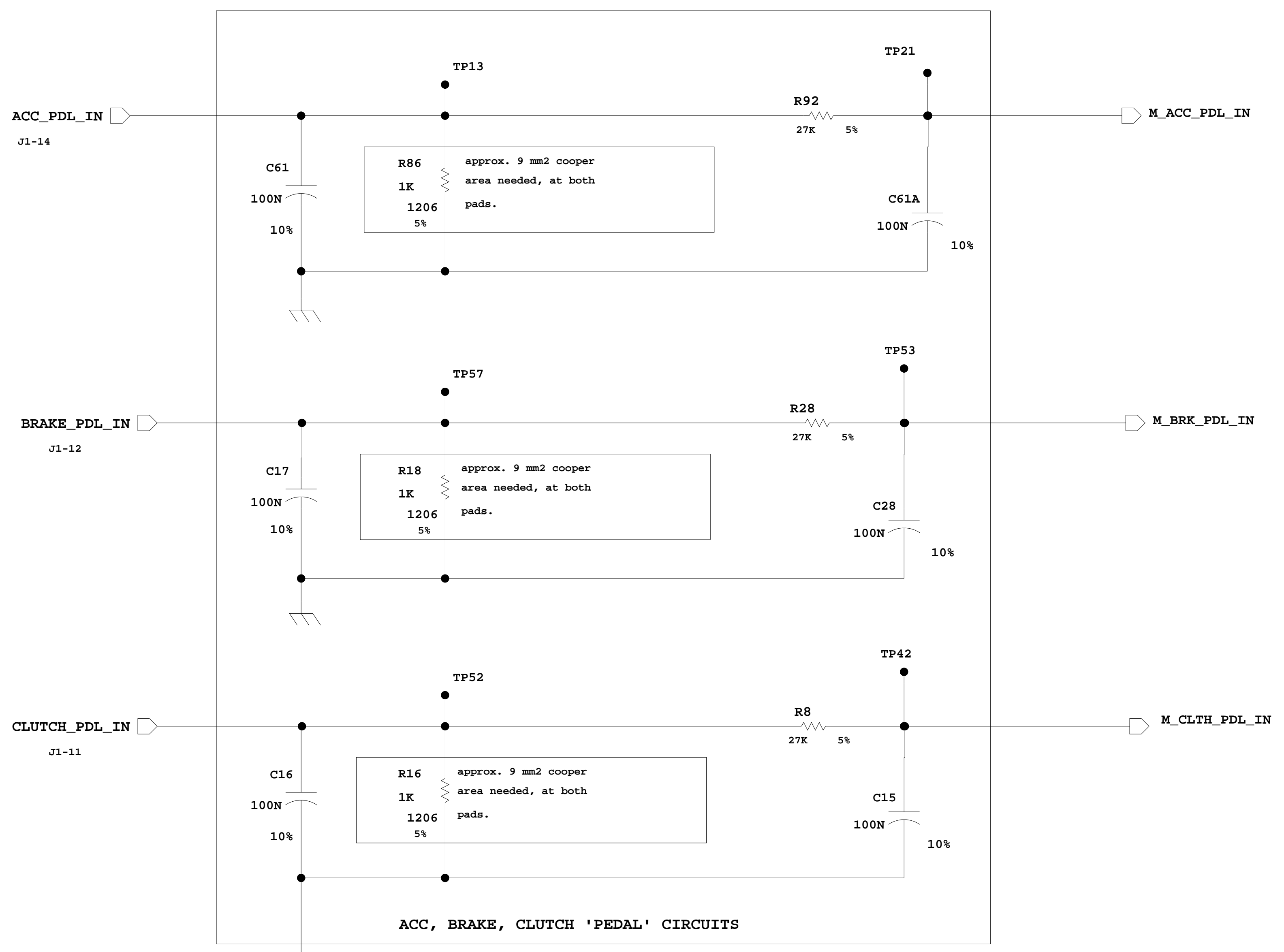
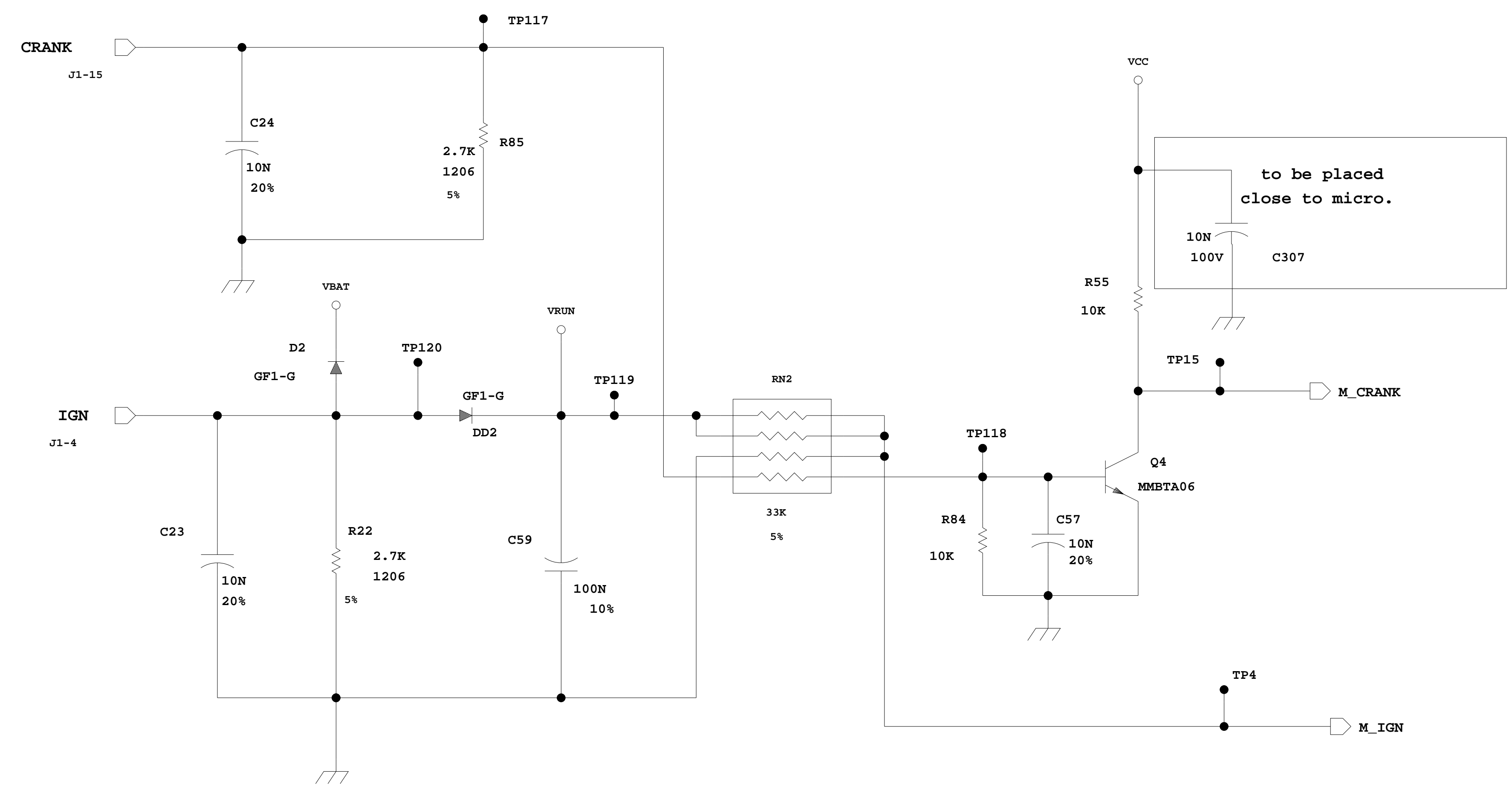
MACHINED DIM. +/-  
ANGULAR DIM. +/-

3RD ANGLE PROJECTION  
STAMPED DIM. +/-

MATERIAL	APP
	C307 HIGH
NAME	SKETCH - WIRING DIAGRAM
	PWM_BACKLIGHT.1
DATE	030520

NO. MS-4M5F-3458-CJ





NO. MS-XXXX-3458-XX						
DATE	LET	REVISIONS	CG	MAN	CK	APP
		C214 HIGH 1PP (11242)				
020520		- R31 & R32 pulled up to VBAT, - D5 diode added btw. R117 and VRUN. - R117,R107,R301,R77,R79,... changed to 1k1 (were 1k3)				
		- R211 & R212 taken off - TP28 taken off - Q221 = BCR10PN !!				
		C214 1PP HIGH (11408)				
020726		- no changes made.				
		C214 C307 HIGH (11755)				
021127		- IGN res.net. RN2 changed (16k5 + 33k)				
021128		- the pedal circuit caps changed to 100nF (were 10nF).				
030109		- C23A,C24A,C6A,C59,C62A taken off - (22n-->10n, 20n-->100n)				
		C307 HIGH (12147)				
030407		- MODE_SW2 input added - C206 and C301A deleted - C910,R910,RN9,TP910,TP911 added (Pg4) - R802 replaced by RN9 (chime) - C301 replaced by 10 nF				
PART MUST COMPLY WITH SPECIFICATION MS-8999999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT						
<b>Visteon</b> PRODUCT ENGINEERING <input type="checkbox"/> COMPUTER <input type="checkbox"/> MANUAL <input checked="" type="checkbox"/> "E" SIZE						
CU COLOR = GRAPHIC DATA LEVEL ORIGINAL WHEN RED ENGLISH 01 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 DO NOT SCALE ABOVE SCALE FOR REFERENCE ONLY						
REF ...VC307_HIGH DRAWN BY: V. POLEKSIK DATE: 030407 CHECKED: NONE SCALE: NONE APPROVED: V. POLEKSIK						
UNLESS OTHERWISE SPECIFIED: CONVERSION: AS IN <input type="checkbox"/> INCHES <input type="checkbox"/> MILLIMETERS 3RD ANGLE PROJECTION MACHINED DIM. +/- ANGULAR DIM. +/-						
MATERIAL: APP: C307 HIGH DATE: 030407						
NAME: SKETCH - WIRING DIAGRAM C214_INPUT.1 NO. MS-4M5F-3458-CJ						



