

# Compal confidential

## Schematics Document

### LS-525BP LCD light sensor BOARD

2010-01-04

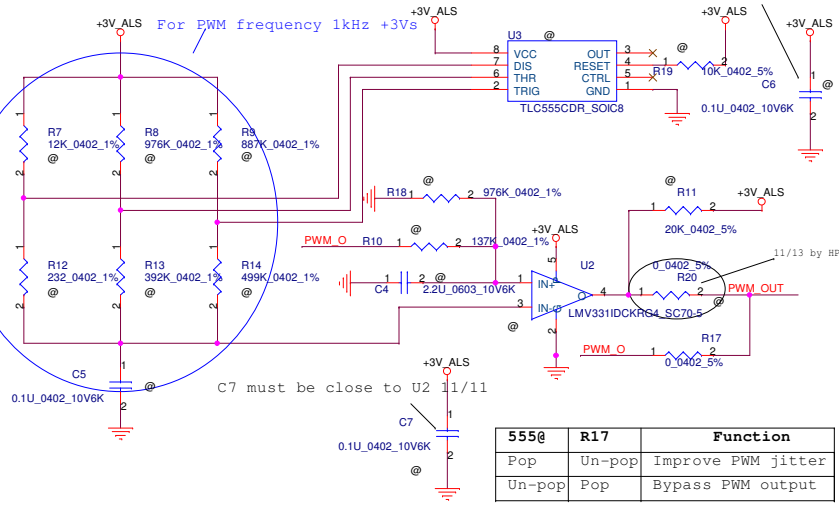
REV: 0.7

Security Classification		Compal Secret Data		Title	
Issued Date	2009/02/18	Deciphered Date	2010/02/18	LCD light sensor	
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				Custom	LS-525BP
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				Rev	0.7

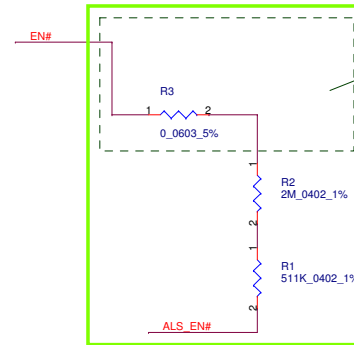
Add 555 ckt to improve PWM jitter 11/10

### 555 ckt for PWM jitter 11/10

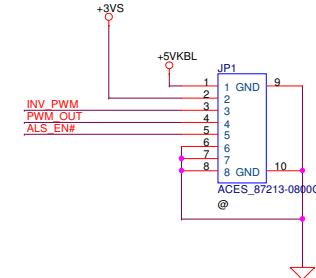
C6 must be close to U3 11/11



555@	R17	Function
Pop	Un-pop	Improve PWM jitter
Un-pop	Pop	Bypass PWM output

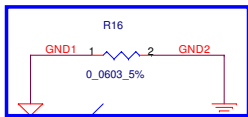
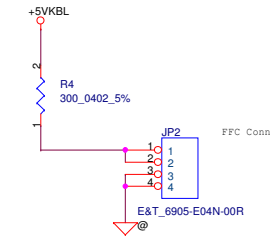
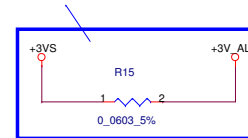


1. HP request 11/12
  2. Remove VR1 11/09
  3. Fine turn R1, R2, and R3 value to meet sensitive issue. 2010/01/04
- R1 to 511K ohms  
R2 to 2M ohms  
R3 to 0 ohms



12/09 Change R15 from 0 ohms Resistance to 100nH Bead

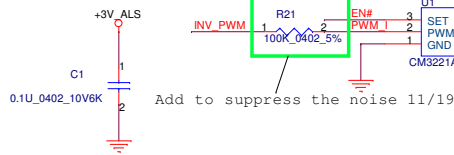
10/01/04 Change R15 from 100nH Bead to 0 ohms Resistance for Capella request



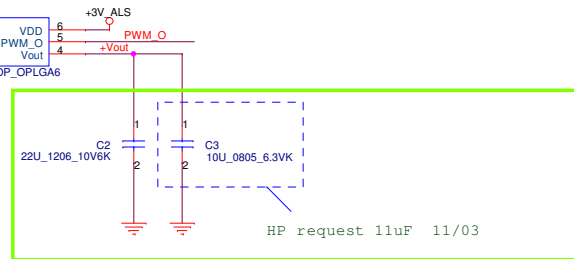
12/09 Change R16 from 0 ohms Resistance to 100nH Bead

10/01/04 Change R16 from 100nH Bead to 0 ohms Resistance for Capella request

C1 must be close to U1 11/11



Add to suppress the noise 11/19



SI2-B\_1012 change C2 from install to DY + change C3 P/N from SE107475K80 to SE053106Z80 + PV\_1101 change C2 form 2.2U(DY) to 1U(install)

ALS_EN#	EN#	Function
Low	Low	ALS Enable
High	High	ALS Disable

BOM	Respond Time
C3	4 Sec
C2//C3	12.8 Sec



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Version Change List ( P. I. R. List )

Item	Page#	Title	Change Description	Cut-In Date
1	2	Change U1 location for layout	Change U1 location for layout	2009/7/15

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