**NOR FLASH (8MB TO 32MB)**

**SDRAM (8MB TO 32MB)**

MT46LC64M12B2P ALTERNATE (16MB)
IS42S32800D-7TL ALTERNATE (32MB)

A12 REQUIRED FOR 16MX32
A11 REQUIRED FOR 8MX32

16MB ALTERNATE: S29GL064N90TFI010
32MB ALTERNATE: S29GL256N90TFI010 DO NOT LOAD R58

REV 7
SHARP LCD (DG28)

TP ESD PROTECTION

BACKLIGHT VOLTAGE GENERATOR

BACKLIGHT CURRENT CALCULATION:

\[ I_{\text{LED}} = \frac{V_{\text{peak}} \cdot D}{5 \cdot R_{\text{SENSE}}} \]

I_{\text{LED}} = 20\text{mA} \text{ FOR THE FOLLOWING:}

R_{\text{SENSE}} (R34) = 33\Omega
V_{\text{PEAK}} (BRT PIN) = 3.3\text{V}
D (BRT PIN) = 0\% \text{ TO } 100\%

NOTE: SHIELD LCD_AGND AND CONNECT TO GND AT A SINGLE POINT

BACKLIGHT VOLTAGE GENERATOR