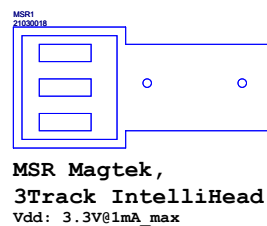


**SRRF Indicator LED**  
High-brightness Red/Green

**Red/Green LED**  
V<sub>EG</sub> = 2.0[V]; V<sub>FG</sub> max. = 2.4[V];  
I<sub>on</sub>: 10[mA]



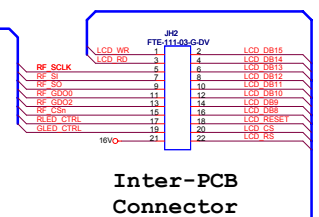
**Ponger Card Detector**  
with debouncer

**FPC REFLEX**

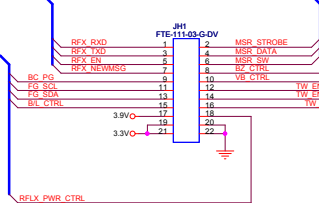
**Advantra AR-100  
ReFLEX Module**  
3.3[V] <= V<sub>cc</sub> <= 4.5[V]  
I<sub>max</sub> 2.5[A] for 2[W]  
1.5[A] for 1[W]

**BATTERY CHARGER INPUT**  
5[V]dc <= V<sub>IN</sub> <= 7[V]dc  
I<sub>max</sub> = 0.8[A]

ICP403450A1 made by LG  
Voltage Nominal: 3.7[V]  
Capacity: 850[mAH]  
2.8[V] <= V<sub>batt</sub> <= 4.2[V]  
I<sub>max</sub> 1.66[A]



**Inter-PCB  
Connector**



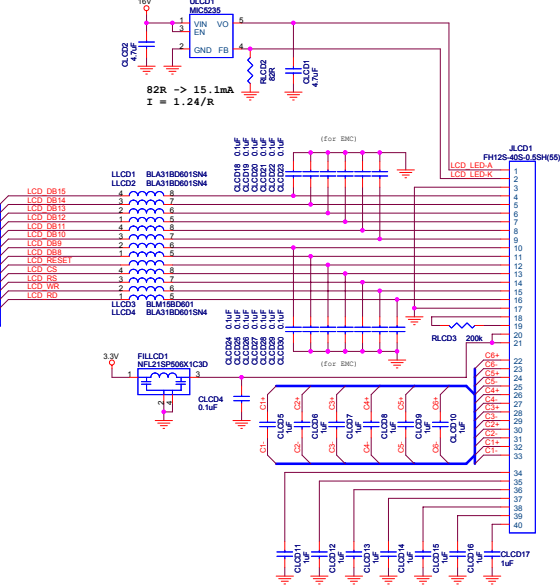
**LCD Module and Keyboard  
Backlight Step-Up**

1. 4.4[V] if battery charge is connected
2. Battery voltage when battery charge is not connected
3. 2.8[V] <= V <= 4.4[V]

**Main Power Step-Up**  
2.5V <= V<sub>IN</sub> <= 6.4V  
V<sub>o</sub> = 4.3V  
I<sub>o</sub> = 2A max

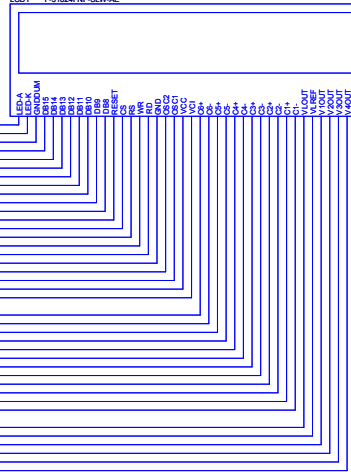
**Cálculo resistencias:**  
RSU1 = RSU2 (V<sub>out</sub>-1.26)/1.26)

**LCD Backlight  
Current Source**



**Optrex LCD, 160x128  
4 Grayscales**

Backlight: 10V@15mA  
LCD: 3.3V@3.6mA\_max



**Buzzer**

I<sub>max</sub>=35mA  
f=2.73kHz

**Vibrator Motor**

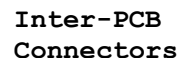
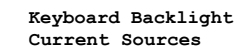
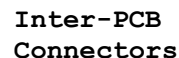
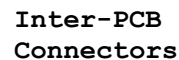
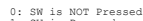
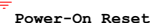
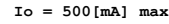
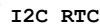
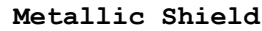
I=150mA  
v=8500RPM

**Trackwheel Scroll  
Encoder**

**Trackwheel Button**

- 1 CPU Core = 103[mA]
- 1 Vibrator = 150[mA]
- 1 RF = 1.6[mA]
- 1 DataFlash = 12[mA]
- 1 LCD DIGITAL = 1[mA]
- 1 MSR CI[mA] (while card is being swiped)
- 1 RTC = 30[uA]

# IAR J-Link-KS to Pongger JTAG Connector Adapter Guide



<b>TECNOCAL</b>			
Title			
<b>Circuito Esquemático BLINGER PCB2</b>			
Size	Document Number	Rev	
	<b>MIC.D.01.117.001k</b>		
Date:	Sunday, October 28, 2007	Sheet	2 of 2