



PIC uP
 User I/F
 LVDS Input

==== RECONSTRUCTION FILTER ALIGNMENTS====
 (4.7uH = 0.68uF) Best for 4 ohm speakers
 Cutoff Frequency = $1 / (2 * \pi * \sqrt{LC}) = 89\text{Hz}$
 Resonant Q = $R_L * \sqrt{C/L} = 0.76$ (ohms Speaker)
 = 1.5 (ohms Speaker)
 (4.7uH = 0.33uF) for 6 ohms around
 Cutoff Frequency = $1 / (2 * \pi * \sqrt{LC}) = 128\text{Hz}$
 Resonant Q = $R_L * \sqrt{C/L} = 0.53$ (ohms Speaker)
 = 1.06 (ohms Speaker)
 (10uH = 1uF) another for 6 ohms around
 Cutoff Frequency = $1 / (2 * \pi * \sqrt{LC}) = 61\text{Hz}$
 Resonant Q = $R_L * \sqrt{C/L} = 0.63$ (ohm Speaker)
 = 1.26 (8 ohm Speaker)

POWER INDICATOR
 - BLUE (RUN)
 - GREEN (STBY-BY)
 - RED (PROTECT / CLIP)

Designed by CyberPit HILO		
Sheet: /		
File: TAS6422AMP.sch		
Title: TAS6422 FULL DIGITAL AMP BOARD		
Size: A3	Date: 2020-07-10	Rev: 0.2
KiCad E.D.A.	eeschema (5.1.6-0-10.14)	Id: 1/3

File: DisplayR-Enc.sch

