

August 25 (Wed) Note: ON your RF Bound. ZO Access to CPUTING e.g. GPIDPINS, SPI PINS. Homework: Purchase ASKRF module By Sept. 8th [wed) F143. OR ideally 'Sept 3rd (Fri) 2 Blocks & RX Note: To provide hardware Debugging CKT. ON Both Need to Be Forward. You may want to have the DC PWR Delivered via CATS Calobe From John Emhedded Bourd. 12545 POS (7in) : 8 Debugging Capability on the R.F. Board; 1) Objective: Tovismure/observe RF. modile, to Build GPID atout. RF Board. 1° ASK R.F. a LED (Red, Green), 4~10mA, Amplitude Switch Keying Connectors (to Cable to RF Board)

E RJ45 Right Angle Connectors Z. Rxi Receiving A piece of CATS Cuble (Ethernet)

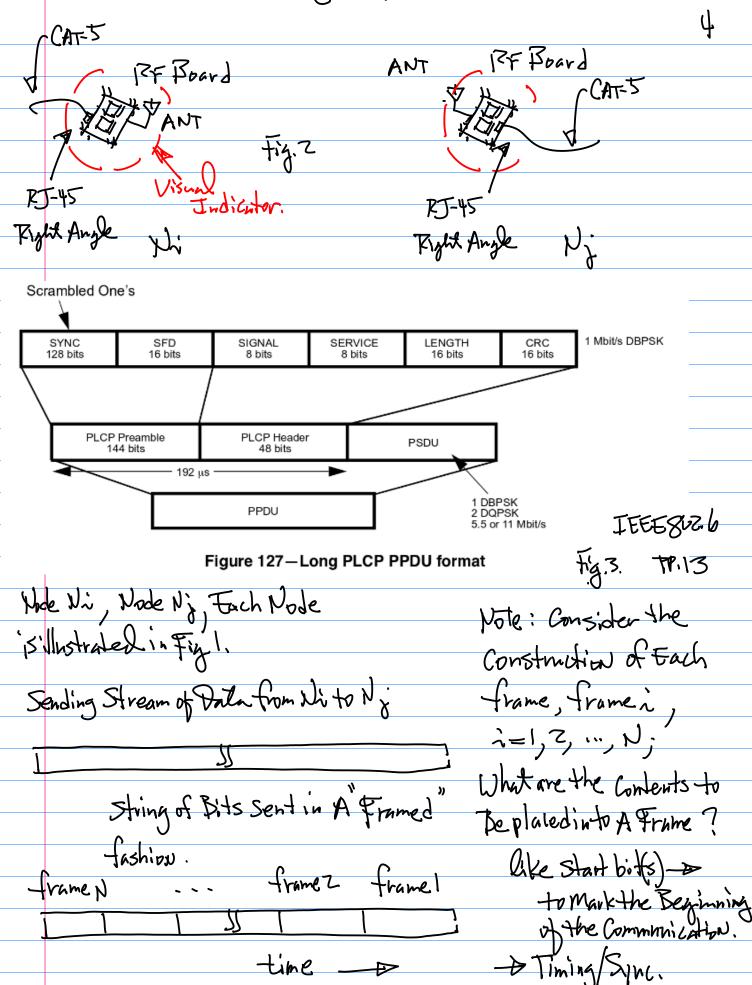
So GPJO JA

Compounents J Resistors & External pwil GPJO JA

Compounents J Resistors & Trepulation Data Pin 7805,7812 DR

(וווז ?)

Honework: Tokethy Bring Your 5. PUR Stribution to RF Board: Wive Wropping Board for RFB a 5VOC is adequate Design, 4x3 Inch ; But RF. module Can be operated with To Bild FFB AggerPower, GVDC 1° Board 20 4 Standoffs OR 7.5 VDC may be needed during Debugg 30 Birld I/O I/F Testing CET. 1 To Lightup LED When ON Owtput "|" Sept 1. (Wed) To Turn off LED When CPU Owland "o" Ref: JEEE 802. P github/Rudili/cmpez45/2018F Output Testing ``_7@\F_'' Tw Toggles to Vcc, when Vcc, ard Z. Topics: Design R.F. Donrd for the 1st homework. Zpts. (Hardware) Reads of "1" JW" "to FND, CPU From PP.Z. System View Reads as "O" Input Testing PF Board 4 CAT-S Ethernet Cible 72.745 Right Angle Connectors (2) The for Embedded; One for RF Board,



C.R. (Cognitive Tadio), SDIZ (Software Defined Padio),

multiple Bits in Sync. Design - More Reliable - Tobust performance

Maybe

Question: What is the general The Objective to P.F.

guideline in terms of designning Board Cromenon K/Design:

Sync Field?

To Allow Ni, N. to Sync. multiple tits of what? 2-Step Approach: 3 bits Exemple: 62 bl bb
2 = 8 0 0 0

2 = 8 0 1 0 Stepl. Based on Land Line; Step Z. then R.F (Wireless) Hence, R.F. Board will have to CAT-5 Support 20 Prious.

(TO Emb)

Togale S/W

P.F. Tx module

P.J. Tx module

R.F. Board

R.F. Board

Togale S/W

Togale S/W Transition & Change of State Tor Example "1" or Magnitude A "" Fig5.

Z.C. Sept 8 (W) Receiver Board) To provide test possible Topics: 1. Prototype for Handshaking Transitions, e.g., Z.C. (For LPC1769, NANO, OR your choice, such Fick OX5 Binary: 101 Note: NANO Boards are not delivered yet. So, please find your solution.

Note Z. Semester Long Project please form
4 Forson team; Example: Land-Line Based Design for
Hand shaking
F.F. CAT-5 (To Emb) Tuggle S/W - R.F. Tx modul Toggle SIW Tosting CATS (To the other V: To select wireless Input/ Receiver Board) t or Land Line Wyth) Commun Cation Testing Homework: Next Monday, Show+ Tell for Each Person's P.F. Protolyne Board. Things to show for the next class: 1. +x3" Prototype Board, the Binet Through-Hole; metal wating of the through-Holes any; 2. Stand offs 3. PJ45 Connectors (2x), Fight Angle; Mounted on the Board; 4. Testing Circuit | Output Testing Content" 1" from the Host Embedd System

Content "0" I trut testing I trut D' originated on your R.F. Board たず45-J 51-5175

