



Notes

- 1) Connections for ICSP shown in red, Prog V+ must be >8V.
Don't forget the cap on reset when programming!! It must be added externally.
 - 2) Arduino pin numbers shown in blue
 - 3) PTT active hi install R2 33kΩ PTT active low do not install R2
 - 4) Shorting jumpers J4 or J0 changes Hangtime (*=jumper shorted)
- | J4 | J0 | Hangtime(ms) |
|----|----|--------------|
| | | 25ms |
| * | | 250ms |
| * | * | 650ms |
| * | * | 1000ms |

| | |
|-------------------------------------|-----------|
| 8 Pin Mini-DIN Xvtr I/F | |
| File: FT817 Mini-DIN sequencer V2.2 | |
| Author: VE3CZO | REV: V2.2 |
| Date: 01-Aug-21 15:40 | 1/1 |

FT817 Mini-DIN Sequencer

| <i>Qty</i> | <i>Value</i> | <i>Device</i> | <i>Part ID</i> | <i>Source</i> | <i>Part No. or Vendor ID</i> |
|--|-------------------|--|----------------|---------------|------------------------------|
| Resistors | | | | | |
| 1 | 22k0 | RESISTOR 1608 (0603) 1% | R1 | Digi-Key | RMCF0603FT22K0CT-ND |
| 1 | 33k0 | RESISTOR 1608 (0603) 1% | R2 | Digi-Key | RMCF0603FT33K0CT-ND |
| Capacitors | | | | | |
| 1 | 1nf | CAP_NONPOLARIZED 1608 (0603) 5% NPO 50V | C1 | Digi-Key | 311-1080-1-ND |
| 1 | 0.1uF | CAP_NONPOLARIZED 1608 (0603) 10% X7R 50V | C4 | Digi-Key | 1276-1000-1-ND |
| 2 | 1uF 25V | CAP_NONPOLARIZED 1608 (0603) 10% X5R 50V | C2,C3 | Digi-Key | 490-16608-1-ND |
| IC's & Transistors | | | | | |
| 1 | MC1703AT | MCP1703AT-5002E/CB | U2 | Digi-Key | MCP1703AT-5002E/CBCT-ND |
| 1 | SSM3K361R,LF | Nch SOT23-F 100V 3.5A 1V VGStH range | Q2 | Digi-Key | SSM3K361RLFCT-ND |
| 1 | ATTINY45-20XU | ATTINY45-20XU | U1 | Digi-Key | ATTINY45-20XU-ND |
| Enclosure, Hardware, Connectors & Other Parts | | | | | |
| 1 | PCB | 15.5 x 6.5 x1.2 mm | | VE3CZO | |
| 1 | interconnect wire | 2cm 30ga wire wrap wire | | VE3CZO | |
| 1 | heat shrink | 7mm dia. X 15 mm long | | eBay | hifispot168 |
| 1 | 8pin Mini-DIN | Male in-line connector | | Digi-Key | CP-2080-ND |

15.5x6.5x1.2



