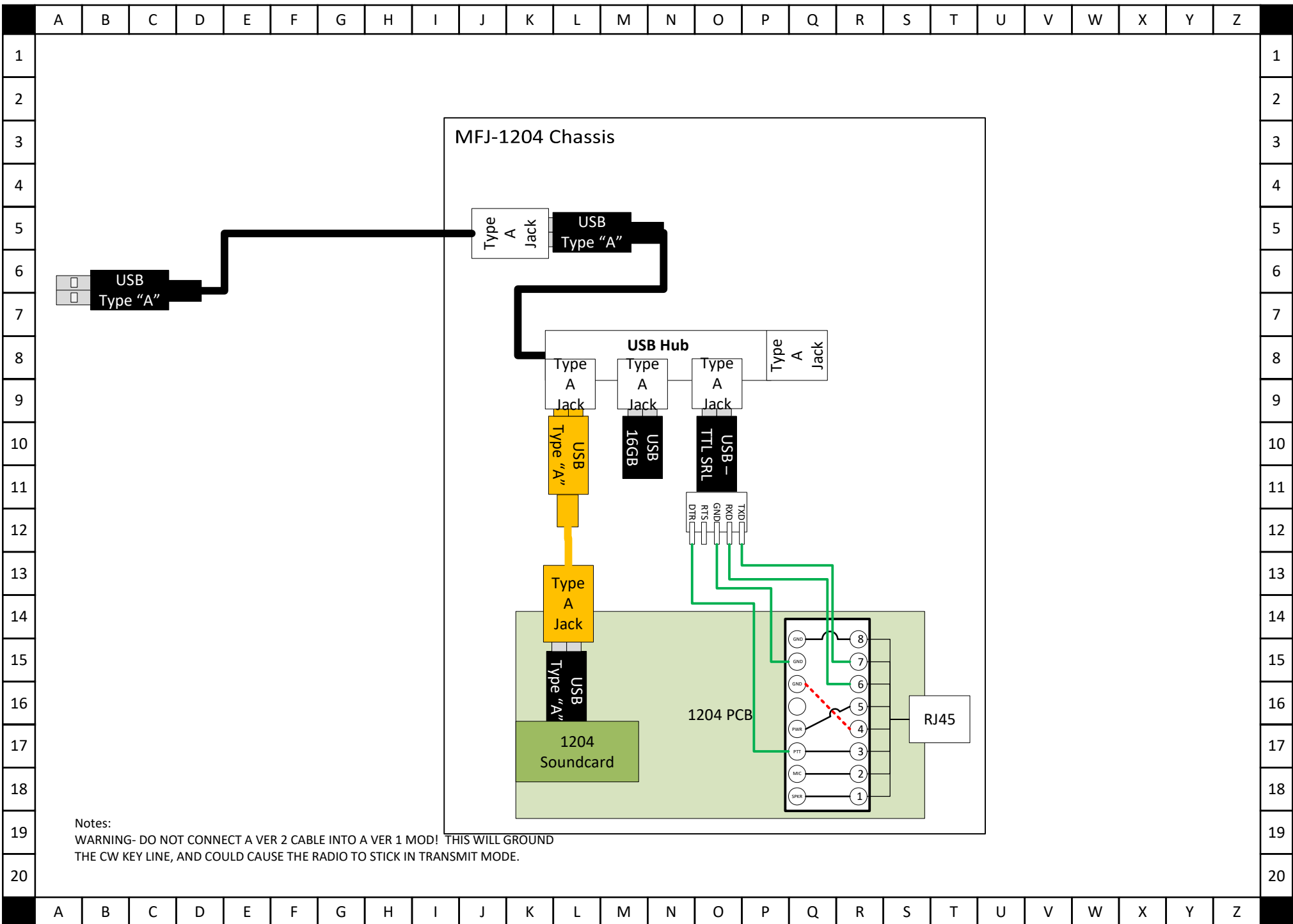
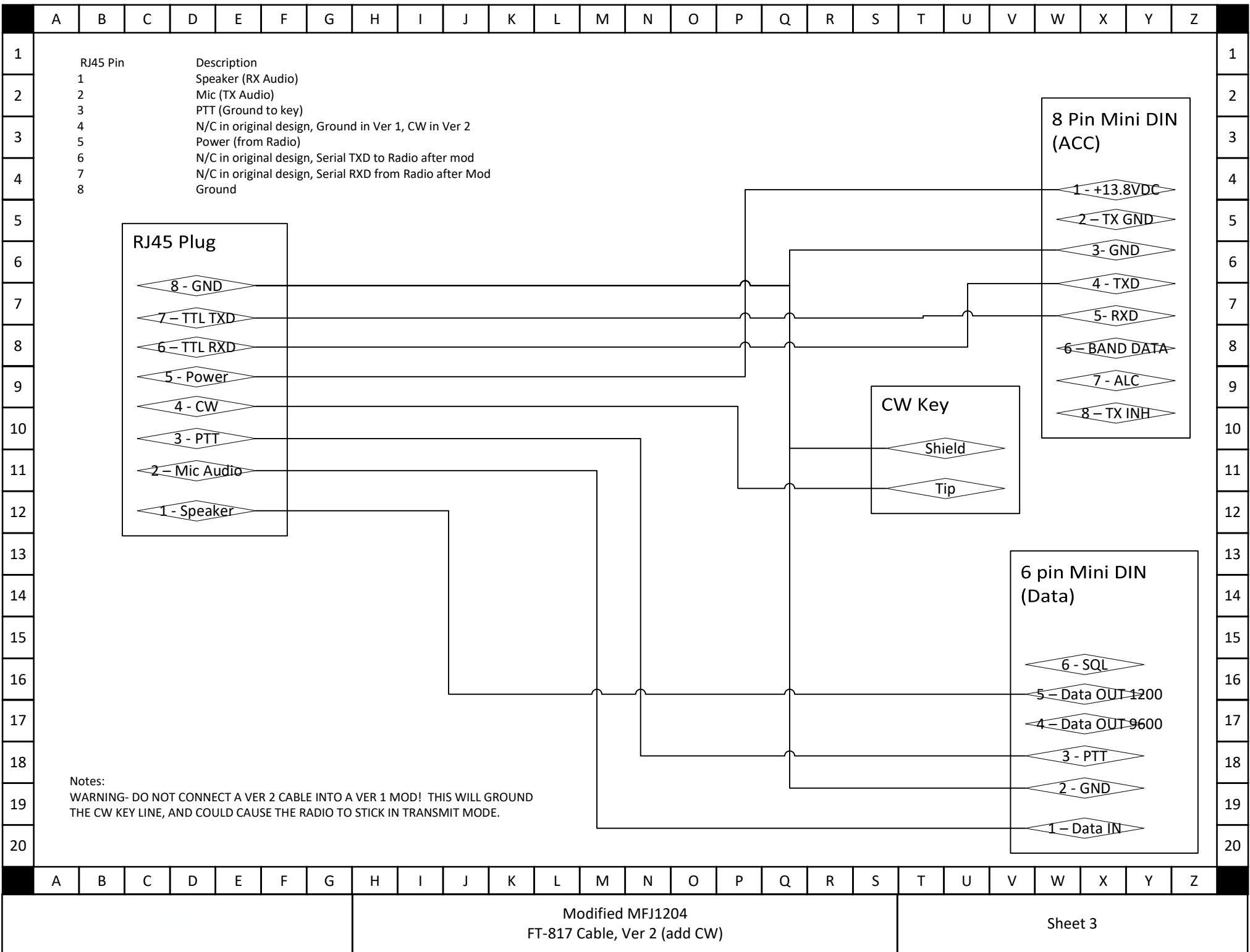
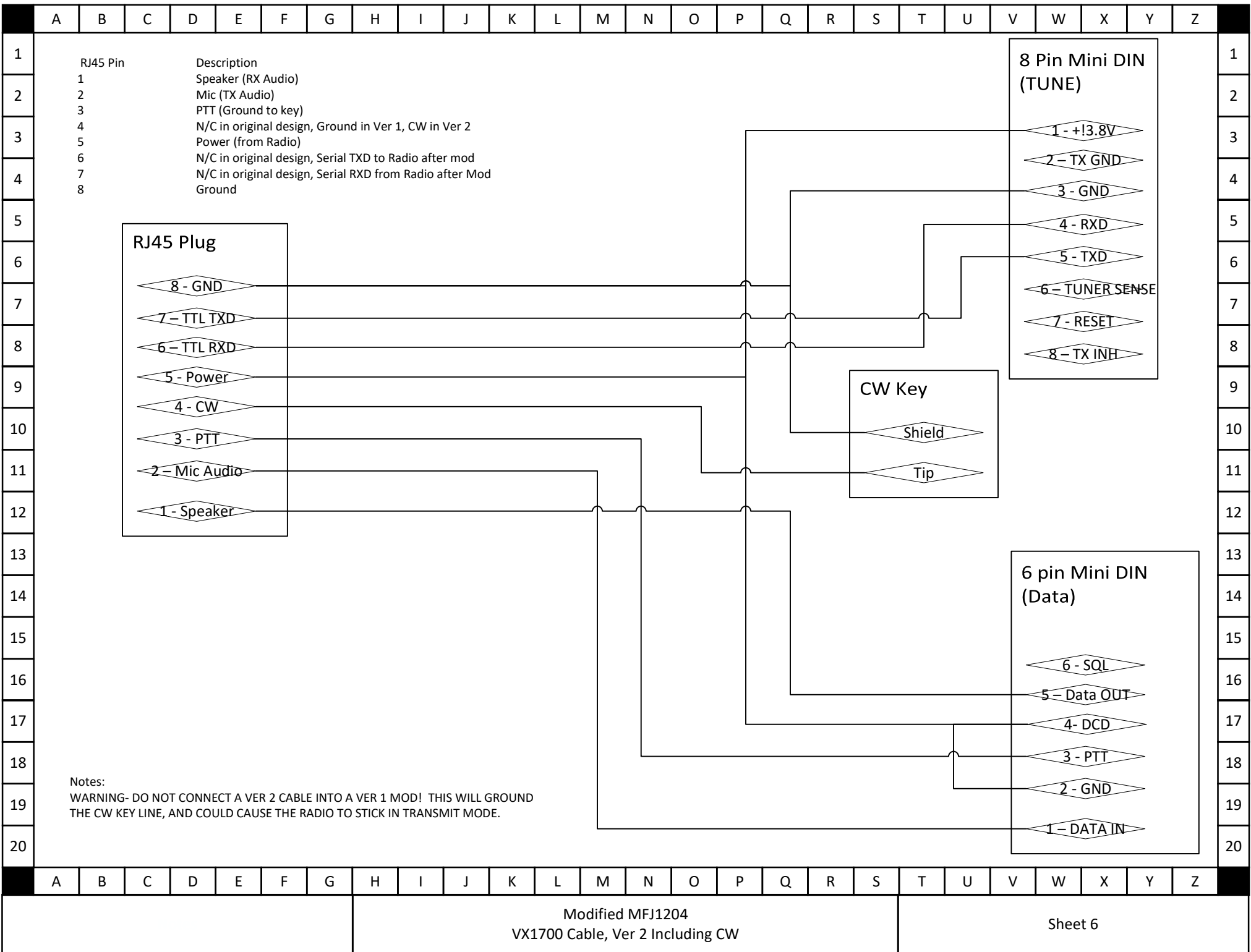


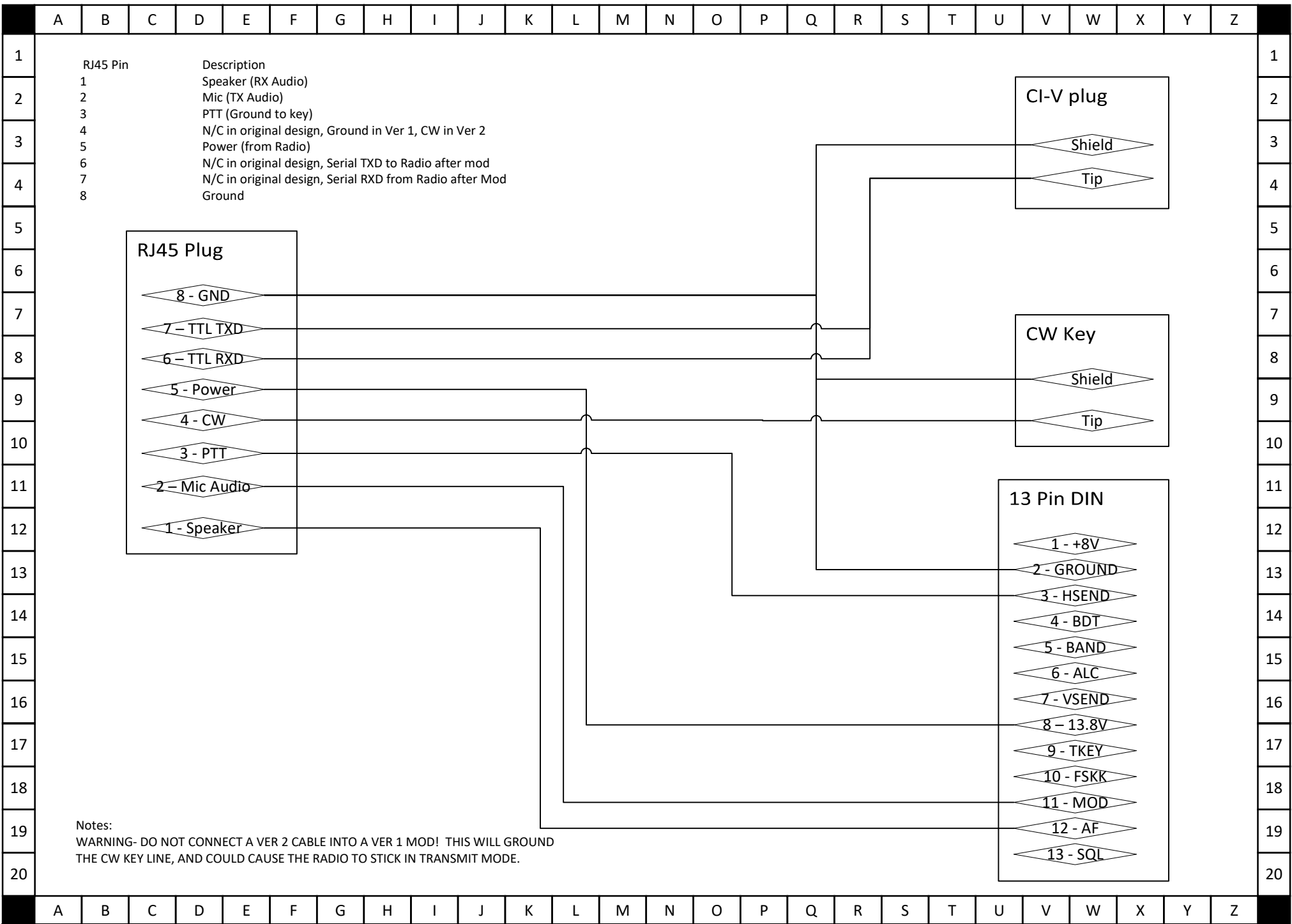
Notes:
 WARNING- DO NOT CONNECT A VER 2 CABLE INTO A VER 1 MOD! THIS WILL GROUND
 THE CW KEY LINE, AND COULD CAUSE THE RADIO TO STICK IN TRANSMIT MODE.

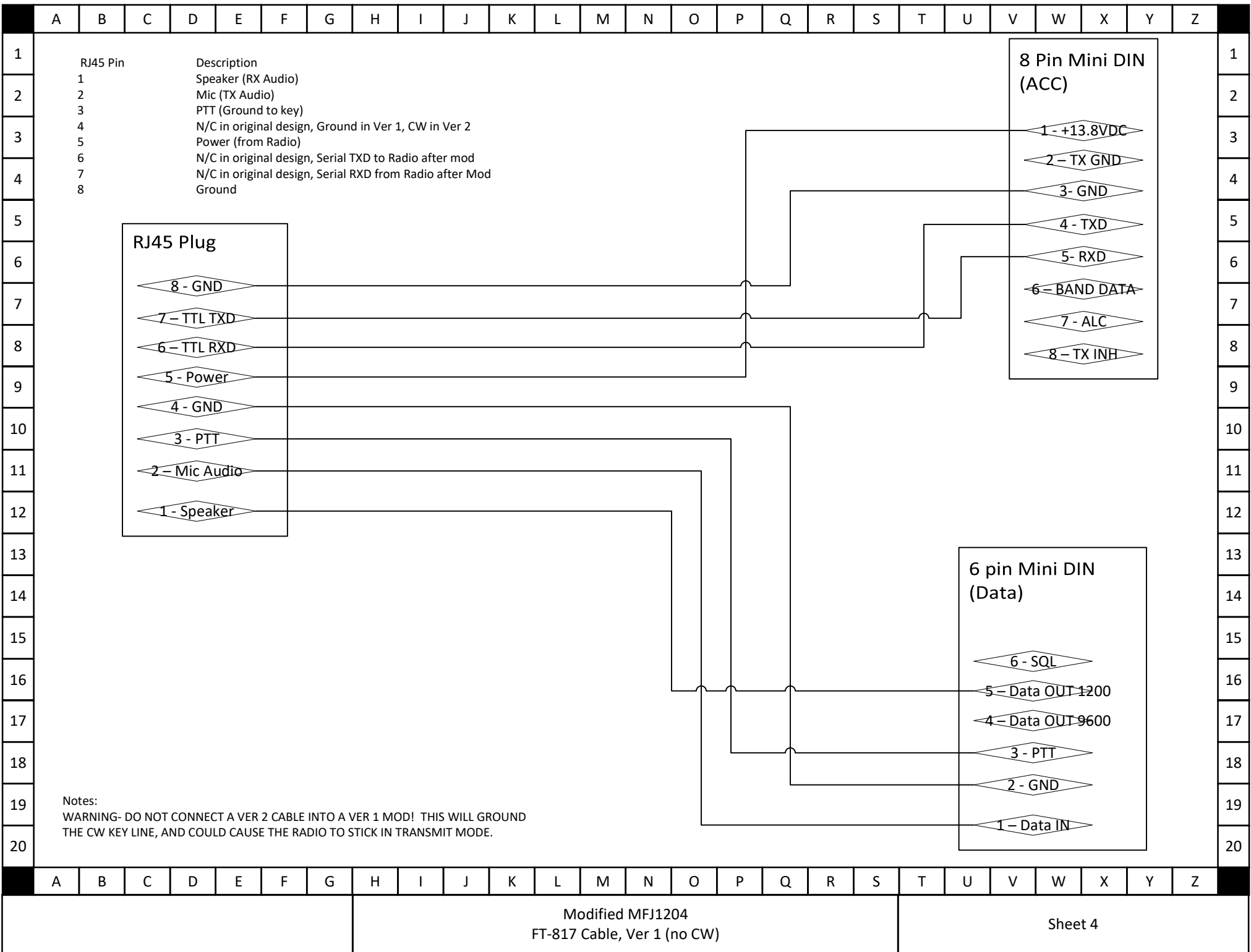


Notes:
 WARNING- DO NOT CONNECT A VER 2 CABLE INTO A VER 1 MOD! THIS WILL GROUND THE CW KEY LINE, AND COULD CAUSE THE RADIO TO STICK IN TRANSMIT MODE.








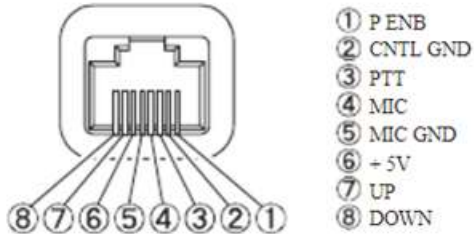


• ACC SOCKET

ACC	PIN #	NAME	DESCRIPTION	SPECIFICATIONS	COLOR
 <p>Rear panel view</p>	1	8 V	Regulated 8 V output.	Output voltage : 8 V \pm 0.3 V Output current : Less than 10 mA	brown
	2	GND	Connects to ground.	—————	red
	3	HSEND	Input/output pin (HF/50 MHz). Goes to ground when transmitting. When grounded, transmits (connected to 8V line thru 2.2 k Ω resistance/144 MHz operation).	Ground level : -0.5 V to 0.8 V Input current : Less than 20 mA (HF/50 MHz bands)	orange
	4	BDT	Data line for the optional AT-180.	—————	yellow
	5	BAND	Band voltage output. (Varies with amateur band)	Output voltage : 0 to 8.0 V	green
	6	ALC	ALC voltage input.	Control voltage : -4 to 0 V Input impedance : More than 10 k Ω	blue
	7	VSEND	Input/output pin (144 MHz). Goes to ground when transmitting. When grounded, transmits (connected to 8V line thru 2.2 k Ω resistance/HF•50 MHz operation).	Ground level : -0.5 V to 0.8 V Input current : Less than 20 mA (144 MHz band)	purple
	8	13.8 V	13.8 V output when power is ON.	Output current : Max. 1 A	gray
	9	TKEY	Key line for the AT-180.	—————	white
	10	FSKK	RTTY keying input. Connected in parallel to the [RTTY] jack.	Ground level : -0.5 to 0.8 V Input current : Less than 10 mA	black
	11	MOD	Modulator input.	Input impedance : 10 k Ω Input level : Approx. 100 mV rms	pink
	12	AF	AF detector output. Fixed, regardless of [AF] position.	Output impedance : 4.7 k Ω Output level : 100 to 350 mV rms	light blue
	13	SQLS	Squelch output. Goes to ground when squelch opens.	SQL open : Less than 0.3 V/5 mA SQL closed : More than 6.0 V/100 μ A	light green

MIC Jack

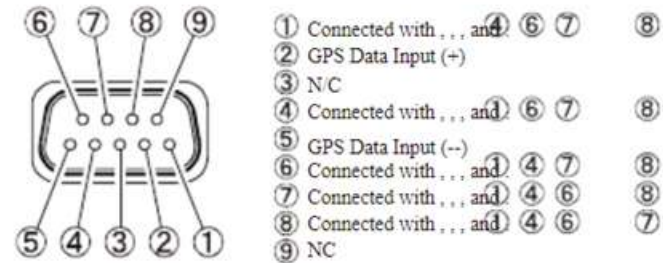
(As Viewed From Front Panel)



Pin 3	PTT	Open Circuit Voltage: 5 V, Closed Circuit Current: 1 mA
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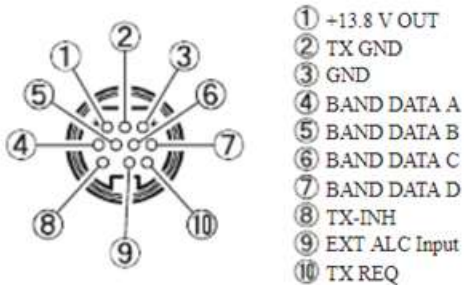
GPS Jack

(As Viewed From Rear Panel)



ACC Jack

(As Viewed From Rear Panel)



Pin 1	+13.8 V	Max. 1 A This terminal is connected in parallel with the pin 1 of TUNE Jack.
Pin 2	TX GND	Open Collector (Max. 60 V, 1A) This terminal is connected in parallel with the pin 2 of TUNE Jack.

TUNE Jack

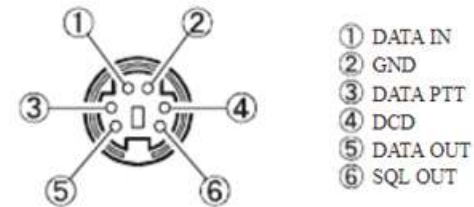
(As Viewed From Rear Panel)



Pin 1	+13.8 V	Max. 1 A This terminal is connected in parallel with the pin 1 of ACC Jack.
Pin 2	TX GND	Open Collector (Max. 60 V, 1A) This terminal is connected in parallel with the pin 2 of ACC Jack.

DATA Jack

(As Viewed From Rear Panel)



Pin 1	DATA IN	60 mVp-p @1 k Ω
Pin 5	DATA OUT	500 mVp-p @1 k Ω
Pin 6	SQL OUT	SQL OPEN: 5 V SQL CLOSE: 0 V