

COM-SPEC TS-64WDS

PLEASE CONSULT THE COM-SPEC DATA SHEET FOR FURTHER INFORMATION OR PRODUCTION CHANGES THAT MAY AFFECT THEIR PRODUCT. COM SPEC CAN BE REACHED AT 800-854-0547

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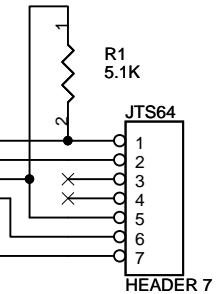
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NOTES:

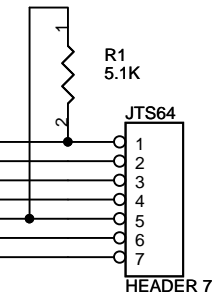
- 1.) DO NOT JUMP H/B PADS ON TS-64WDS.
- 2.) READ TS64WDS MANUAL COMPLETELY.
- 3.) 2 PIN CONNECTOR MOLEX P/N 22-01-3027 (DIGI-KEY WM2011-ND) OR EQUIV.
7 PIN CONNECTOR MOLEX P/N 22-01-3077 (DIGI-KEY WM2016-ND) OR EQUIV.
CRIMP PIN INSERTS MOLEX 08-50-0114 (DIGI-KEY WM2200-ND) OR EQUIV.
DIGI-KEY CAN BE REACHED AT 800-344-4539
- 4.) PL FILTER SHOULD BE USED IN INSTALLATIONS WITH OPTIONAL DIGITAL AUDIO DELAY
- 5.) COM-SPEC TS-64WDS NOT SUPPLIED BY NHRC.
- 6.) NHRC LLC ASSUMES NO LIABILITY FOR THE ACCURACY OF THIS APP NOTE. USE AT YOUR OWN RISK.

PIN 3 / +13.8V IN	RED.
PIN 12 / DECODER IN RX DISC	GREEN.
PIN 13/ RX MUTE / DECODER OUT	GREEN / WHITE.
PIN 6 / ENCODER OUT	YELLOW.
PIN 9 / GROUND	BLACK.
PIN 4 / PTT INPUT	ORANGE / WHITE.
PIN 2 / HANG UP	VIOLET.



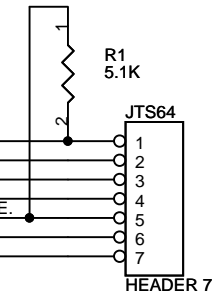
EXAMPLE 1: TS-64WDS ENCODE/DECODE ONLY WITHOUT PL FILTER OR REVERSE BURST

PIN 3 / +13.8V IN	RED.
PIN 12 / DECODER IN RX DISC	GREEN.
PIN 1 / HIGH PASS FILTER INPUT RX DISC.	BLUE / WHITE.
PIN 11 / HIGH PASS FILTER OUT.	BLUE.
PIN 13/ RX MUTE / DECODER OUT	GREEN / WHITE.
PIN 6 / ENCODER OUT	YELLOW.
PIN 9 / GROUND	BLACK.
PIN 4 / PTT INPUT	ORANGE / WHITE.
PIN 2 / HANG UP.	VIOLET.

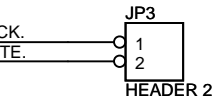


EXAMPLE 2: TS-64WDS ENCODE/DECODE WITH PL FILTER

PIN 3 / +13.8V IN	RED.
PIN 12 / DECODER IN RX DISC	GREEN.
PIN 1 / HIGH PASS FILTER INPUT RX DISC.	BLUE / WHITE.
PIN 11 / HIGH PASS FILTER OUT.	BLUE.
PIN 13/ RX MUTE / DECODER OUT	GREEN / WHITE.
PIN 6 / ENCODER OUT	YELLOW.
PIN 9 / GROUND	BLACK.
PIN 2 / HANG UP.	VIOLET.



PIN 2 / DELAYED PTT OUTPUT	YELLOW / BLACK.
PIN 4 / PTT INPUT	ORANGE / WHITE.



EXAMPLE 3: TS-64WDS ENCODE/DECODE WITH PL FILTER AND REVERSE BURST PTT DELAY

NHRC REPEATER CONTROLLERS

415 Fourth Range Road
Pembroke, NH 03275
603-485-2248
<http://www.nhrc.net>

Title COM-SPEC TS-64WDS APP NOTE FOR NHRC3/M2+ REV B PCB ONLY		
Size A	Document Number TS-64WDS APP NOTE	Rev A
Date: Tuesday, June 11, 2013	Sheet 1	of 1

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