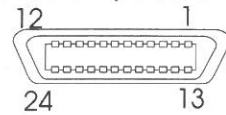


# TRIMBLE

## TNL 2000/2000A/3000 GPS



- 1 ——— +14 OR +28 VDC POWER
- 2 ——— +14 OR +28 VDC POWER
- 3 ——— TXD1- (RS-422)
- 4 ——— RXD1- (RS-422)
- 5 ——— TXD2- (RS-423)
- 6 ——— +TO/-FROM FLAG
- 7 ——— +NAV FLAG
- 8 ——— FUTURE USE
- 9 ——— FUTURE USE
- 10 ——— +RIGHT CDI (+-150 mV)
- 11 ——— APPROACH (APR) - FUTURE USE
- 12 ——— PARALLEL OFFSET (PTK) OR ADVISORY (ADV)
- 13 ——— POWER GROUND
- 14 ——— POWER GROUND
- 15 ——— TXD1+ (RS-422)
- 16 ——— RXD1+ (RS-422)
- 17 ——— RXD2- (RS-423)
- 18 ——— -TO/+FROM, -FLAG, COMMON \* †
- 19 ——— SUPERFLAG/ONE PPS \* £
- 20 ——— AUDIO OUT \* †
- 21 ——— SAFEGAURD ENABLE \* §
- 22 ——— +LEFT, CDI COMMON \* †§
- 23 ——— WARNING (WRN)
- 24 ——— WAYPOINT ALERT (WPT)

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### NOTES

- † PIN 20 OUTPUT INPEDANCE 600 OHM
- ‡ COMMON PINS 18 AND 22 MAY ALSO BE USED FOR THE ONE PPS AND AUDIO COMMON
- § JUMPER PIN 21 TO PIN 22 TO ENSURE OPERATION OF THEFT PROTECTION CIRCUIT.
- £ PIN 19 IS SUPPLIED FROM FACTORY AS SUPERFLAG DRIVE. A JUMPER MAY BE ADDED INSIDE THE UNIT TO CHANGE PIN 19 TO PROVIDE ONE (TTL) PPS OUTPUT.

THIS MATERIAL IS FOR REFERENCE ONLY. FOR VERIFICATION, LATEST INFORMATION, OR FURTHER INFORMATION, CONSULT THE CURRENT MANUFACTURER'S INSTALLATION MANUAL!