<table>
<tr><th>No</th><th>Terminal Name</th><th>I/O</th><th>Description</th><th>P.OFF</th><th>P.Failure</th><th>Reset/
Release</th></tr>
<tr><td>1</td><td>CODE1</td><td>I</td><td>AD input terminal for model setting.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>2</td><td>CODE2</td><td>I</td><td>AD input terminal for model setting.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>3</td><td>T-PHOT</td><td>I</td><td>Input terminal of the Tape Beginning sensor detection.
*More than 2.6V : Black tape part. *Less than 2.4V :Trans. Tape part.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>4</td><td>P.ON(H)</td><td>O</td><td>ON/OFF control terminal for the VCR Power. Power_ON : "High"</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>5</td><td>SAFETY_CYL</td><td>I</td><td>REG 12V short detection signal.
It is a measure for cylinder driver over heat by short.
Perform detection process at 3 seconds after that the P.ON (H) signal at Pin 4 of IC6001 has
been shifted from Low to High.
[Detection method]
When the terminal voltage is less than 3.0V during 3 seconds continuously, the power is turned off compulsorily.
* When a cassette is in, the power is turned off after a few second delay for the mechanism initial function.
* Key/Remote controller input is inhibited while the compulsory power off process.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>6</td><td>T.S.CUREVE</td><td>I</td><td>Input terminal for "S-Curve" of Tuner AFC at channel selecting.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>7</td><td>S-PHOT</td><td>I</td><td>Input terminal of the Tape End sensor detection.
*More than 2.6V : Black tape part. *Less than 2.4V :Trans. Tape part.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>8</td><td>NC</td><td>O</td><td>Low fix.</td><td>In</td><td>In</td><td>In/Low</td></tr>
<tr><td>9</td><td>TRACKING_ENVE</td><td>I</td><td>Input terminal of the Video envelope signal.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>10</td><td>SQPB/SE/VHS</td><td>I</td><td>VV: VHS: 0~1.25V
SQPB: 60Hz & over than 1.25V
50Hz & over than 3.25V
MESCAM: 50Hz & 1.25 ~ 3.25V
EE: VHS: 50Hz & 0~1.25V
60Hz</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>11</td><td>CURRENT.LIMIT</td><td>O</td><td>Control terminal for the Capstan current limit.
(Output impedance: MIN:1K, TYP:2.5K, MAX:4.0K)</td><td>In
DA=0V</td><td>Low</td><td>In
DA=0V</td></tr>
<tr><td>12</td><td>NC</td><td>O</td><td>Low fix.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>13</td><td>ART.V/H/N</td><td>O</td><td>Output terminal for the Artificial V-sync.
1. In trick playback.
Artificial V sync inserting timing : High
Artificial H sync inserting timing : Hi-Z (M output)
Except above conditions : Low
2. NAVI REC : Hi-Z
3. OSD REC : Hi-Z
4. Other than above conditions : Low</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>14</td><td>REMOCON</td><td>I</td><td>Input terminal for the Remote Controller.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>15</td><td>NC</td><td>O</td><td>Low fix.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>16</td><td>NC</td><td>O</td><td>Low fix.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>17</td><td>PAL_SQPB</td><td>O</td><td>50Hz Playback on SQPB: High output
Other than above : Low output</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>18</td><td>VIDEO.H.SW</td><td>O</td><td>Video head switching signal
*L'/R="High" *R'/L="Low"</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>19</td><td>AUDIO.H.SW</td><td>O</td><td>Head switching signal for Audio circuit.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>20</td><td>D.A.REC(H)</td><td>O</td><td>Recording control signal for the Linear Audio.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>21</td><td>PICT1</td><td>O</td><td>Control terminal for the Picture mode.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>22</td><td>PICT2</td><td>O</td><td>Control terminal for the Picture mode.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>23</td><td>PAL PB (L)</td><td>O</td><td>3.58NTSC (D6=0, D7=0 both of IC3001): High output
Other than above : Low output</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>24</td><td>NC</td><td>O</td><td>Control terminal for Hi-Fi audio REC.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>25</td><td>SP(L)</td><td>O</td><td>REC MODE DATA
*N2H:"Low"
*N6H:"High"</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>26</td><td>STAB(L)</td><td>I</td><td>SAFETY TAB DETECTION
*With SAFETY TAB: "Low"
*Without SAFETY TAB:"High"</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>27</td><td>ABS_NORMAL</td><td>I</td><td>This terminal has two purposes.
1.Compulsory Normal Audio selection. 2.Trigger for Audio auto Adjustment.
*Compulsory Normal Audio sel.:"Low" level.
(ADUBPS/HiFi_Audio envelope being low.)
*Other than above : "High" level.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>28</td><td>NTSC (L)</td><td>O</td><td>PLAYBACK MODE.....50Hz:"High" 60Hz:"Low"</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>29</td><td>AVR (L)</td><td>I/O</td><td>Simplified AI playback ON/OFF control.</td><td>Low</td><td>Low</td><td>Low</td></tr>
<tr><td>30</td><td>POS.SW4</td><td>I</td><td rowspan="5">Input terminal for mechanism position.
<table><tr><th>SW4</th><th>SW3</th><th>SW2</th><th>SW1</th><th>Position Name</th></tr><tr><td>1</td><td>1</td><td>1</td><td>0</td><td>EJECT Position</td></tr><tr><td>0</td><td>0</td><td>1</td><td>0</td><td>DOWN Position</td></tr><tr><td>0</td><td>0</td><td>1</td><td>1</td><td>R-REW Position</td></tr><tr><td>0</td><td>1</td><td>0</td><td>0</td><td>LOAD Position</td></tr><tr><td>0</td><td>1</td><td>0</td><td>1</td><td>REV Position</td></tr><tr><td>0</td><td>1</td><td>1</td><td>0</td><td>PLAY Position</td></tr><tr><td>0</td><td>1</td><td>1</td><td>1</td><td>P_OFF Position</td></tr><tr><td>1</td><td>0</td><td>0</td><td>0</td><td>STOP_R Position</td></tr><tr><td>1</td><td>0</td><td>0</td><td>1</td><td>STOP_F Position</td></tr><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>FF/REW Position</td></tr><tr><td>1</td><td>1</td><td>1</td><td>0</td><td>FF2 Position</td></tr><tr><td>1</td><td>1</td><td>1</td><td>1</td><td>Intermediate Positions between each Positions</td></tr></table></td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>31</td><td>POS.SW3</td><td>I</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>32</td><td>POS.SW2</td><td>I</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>33</td><td>POS.SW1</td><td>I</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>34</td><td>RESET</td><td>I</td><td>RESET Terminal.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>35</td><td>32KHz.IN</td><td>I</td><td>Sub clock (32.768KHz) osc. input terminal.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>36</td><td>32KHz.OUT</td><td>O</td><td>Sub clock (32.768KHz) osc. output terminal</td><td>Out</td><td>Out</td><td>Out</td></tr>
<tr><td>37</td><td>5V(D)</td><td>-</td><td>VCC (5V) for Digital port</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>38</td><td>12MHz.IN</td><td>I</td><td>Main clock (12MHz) osc. input terminal.</td><td>In</td><td>In</td><td>In</td></tr>
<tr><td>39</td><td>12MHz.OUT</td><td>O</td><td>Main clock (12MHz) osc. output terminal.</td><td>Out</td><td>Out</td><td>Out</td></tr>
<tr><td>40</td><td>GND(OSC)</td><td>-</td><td>Digital GND for OSC circuit.</td><td>-</td><td>-</td><td>-</td></tr>
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