|  |  |  |
| --- | --- | --- |
| Test Items Command Post Assembly station | | |
| Test Item Name | Command | Criteria |
| Login | Console DUT (115200) command:  root | Password: |
| Login | Console DUT (115200) command:  onl | root@localhost:~# |
| Login | Console DUT (115200) command:  rm -f /tmp/wait\_mrvl\_luash\_done | root@localhost:~# |
| FanTest | Console DUT (115200) command:  210\_fan\_speed -s 0 -p 50 | Result: PASS  root@localhost:~# |
| CheckCPU | Console DUT (115200) command:  101\_post\_cpu -m "Intel(R) Atom(TM) CPU C3558 @ 2.20GHz" -c 4 | Result: PASS  root@localhost:~# |
| CheckSSD | Console DUT (115200) command:  smartctl -i /dev/sda | grep "Device Model" | M.2 (S80) 3TE7  root@localhost:~# |
| CheckSSD | Console DUT (115200) command:  104\_post\_ssd\_sata -c "55.9 GiB" | Result: PASS  root@localhost:~# |
| CheckMemory | Console DUT (115200) command:  102\_post\_mem -s 16384 -c 1 | Result: PASS  root@localhost:~# |
| CheckMarvellFalcon | Console DUT (115200) command:  120\_mrvl\_devid -t "11ab:8400" | Result: PASS  root@localhost:~# |
| ConfigCPSS | Console DUT (115200) command:  236\_port\_status -s 0 -r 0 | Result: PASS  root@localhost:~# |
| CheckPortStatus | Console DUT (115200) command:  link\_status | 0/0 KR8 Up 400G Full None Link-Up  0/8 KR8 Up 400G Full None Link-Up  0/16 KR8 Up 400G Full None Link-Up  0/24 KR8 Up 400G Full None Link-Up  0/32 KR8 Up 400G Full None Link-Up  0/40 KR8 Up 400G Full None Link-Up  0/48 KR8 Up 400G Full None Link-Up  0/64 KR8 Up 400G Full None Link-Up  0/72 KR8 Up 400G Full None Link-Up  0/80 KR8 Up 400G Full None Link-Up  0/88 KR8 Up 400G Full None Link-Up  0/96 KR8 Up 400G Full None Link-Up  0/104 KR8 Up 400G Full None Link-Up  0/112 KR8 Up 400G Full None Link-Up  0/120 KR8 Up 400G Full None Link-Up  0/128 KR8 Up 400G Full None Link-Up  0/136 KR8 Up 400G Full None Link-Up  0/144 KR8 Up 400G Full None Link-Up  0/152 KR8 Up 400G Full None Link-Up  0/160 KR8 Up 400G Full None Link-Up  0/168 KR8 Up 400G Full None Link-Up  0/176 KR8 Up 400G Full None Link-Up  0/184 KR8 Up 400G Full None Link-Up  0/192 KR8 Up 400G Full None Link-Up  0/200 KR8 Up 400G Full None Link-Up  0/208 KR8 Up 400G Full None Link-Up  0/216 KR8 Up 400G Full None Link-Up  0/224 KR8 Up 400G Full None Link-Up  0/232 KR8 Up 400G Full None Link-Up  0/240 KR8 Up 400G Full None Link-Up  0/248 KR8 Up 400G Full None Link-Up  0/256 KR8 Up 400G Full None Link-Up  0/57 KR Up 10G Full None Link-Up  0/58 KR Up 10G Full None Link-Up  Console# |
| CheckPortStatus | Console DUT (115200) command:  Ctrl+C | root@localhost:~# |
| DoLedWorkaround | Console DUT (115200) command:  led\_workaround | root@localhost:~# |
| FanTest | Console DUT (115200) command:  210\_fan\_speed -t 0,0 -c 9582,16943 | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  114\_bios\_ver -t "dnv-b02-28.01.09 06/18/2020" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  119\_diag\_ver -t "0.0.6" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  116\_cpu\_cpld\_ver -t "0x4" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  115\_mb\_cpld\_ver -t "0x240c" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  117\_onie\_ver -t "2018.11.0.0.0 2020-12-21T10:33+08:00" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  113\_onl\_ver -t "0.0.6 2021-09-01 11:35:49 +0800" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  231\_cfg\_eeprom -m 1 -d "2020/1/1 23:59" -n "CFG-EEPROM" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  231\_cfg\_eeprom -m 2 -n "CFG-EEPROM" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  231\_cfg\_eeprom -m 3 | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  232\_fru\_eeprom -m 1 -d "2020/1/1 23:59" -n "FRU-EEPROM" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  232\_fru\_eeprom -m 2 -n "FRU-EEPROM" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  232\_fru\_eeprom -m 3 | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  108\_mrvl\_pcie -t "Speed 8GT/s Width x2" | Result: PASS  root@localhost:~# |
| SWCheck | Console DUT (115200) command:  111\_i210\_pcie -t "Speed 2.5GT/s Width x1" | Result: PASS  root@localhost:~# |
| FrontPort\_Off | Console DUT (115200) command:  216\_port\_led -s off | root@localhost:~# |
| FrontPort\_On | Console DUT (115200) command:  216\_port\_led -s on | root@localhost:~# |
| FanLed\_On | Console DUT (115200) command:  214\_fan\_led -s 0 -o 1 | root@localhost:~# |
| FanLed\_Off | Console DUT (115200) command:  214\_fan\_led -s 0 -o 0 | root@localhost:~# |
| SystemLed\_On | Console DUT (115200) command:  211\_sys\_led -s 1 | root@localhost:~# |
| SystemLed\_Blink1 | Console DUT (115200) command:  211\_sys\_led -s 2 | root@localhost:~# |
| SystemLed\_Blink2 | Console DUT (115200) command:  211\_sys\_led -s 3 | root@localhost:~# |
| SystemLed\_Off | Console DUT (115200) command:  211\_sys\_led -s 0 | root@localhost:~# |
| IDLed\_On | Console DUT (115200) command:  213\_id\_led -s 1 | root@localhost:~# |
| IDLed\_Blink1 | Console DUT (115200) command:  213\_id\_led -s 2 | root@localhost:~# |
| IDLed\_Blink2 | Console DUT (115200) command:  213\_id\_led -s 3 | root@localhost:~# |
| IDLed\_Off | Console DUT (115200) command:  213\_id\_led -s 0 | root@localhost:~# |
| WriteRTC | Console DUT (115200) command:  107\_cpu\_rtc -s "2024-07-17 10:47:49" | 2024-07-17 10:47:49  root@localhost:~# |
| CheckRTC | Console DUT (115200) command:  107\_cpu\_rtc -g | 2024-07-17 10:47:51  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  223\_psu\_type -i 1 -g | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  223\_psu\_type -i 2 -g | Result: PASS  root@localhost:~# |
| PSUTest | PSU1 on PSU2 off |  |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 1 -g | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 2 -g | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 1 -t 1,0,0,1,1 | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 2 -t 0,0,0,0,0 | Result: PASS  root@localhost:~# |
| PSUTest | PSU1 off PSU2 on |  |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 1 -g | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 2 -g | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 1 -t 0,0,0,0,0 | Result: PASS  root@localhost:~# |
| PSUTest | Console DUT (115200) command:  224\_psu\_status -i 2 -t 1,0,0,1,1 | Result: PASS  root@localhost:~# |
| PSUTest | PSU1 on PSU2 on |  |
| FanTest | Console DUT (115200) command:  210\_fan\_speed -t 0,0 -c 18802,34105 | Result: PASS  root@localhost:~# |
| MGMT\_Test | Console DUT (115200) command:  003\_mgmt\_port -t -p 1000 -d full | Result: PASS  root@localhost:~# |
| MGMT\_Test | Console DUT (115200) command:  003\_mgmt\_port -s -i 192.168.1.111 -m 00:a0:c9:00:00:00 -n 255.255.255.0 | root@localhost:~# |
| MGMT\_Test | Console DUT (115200) command:  003\_mgmt\_port -t -c 2 -i 192.168.1.1 | Result: PASS  root@localhost:~# |
| USB\_Test | Console DUT (115200) command:  105\_post\_usb -t | Result: PASS  root@localhost:~# |
| ThermalSensorTest | Console DUT (115200) command:  204\_mrvl\_temp -t 20,92 | Result: PASS  root@localhost:~# |
| ThermalSensorTest | Console DUT (115200) command:  205\_tmp75\_1\_temp -t 20,64 | Result: PASS  root@localhost:~# |
| ThermalSensorTest | Console DUT (115200) command:  206\_tmp75\_2\_temp -t 20,66 | Result: PASS  root@localhost:~# |
| ThermalSensorTest | Console DUT (115200) command:  207\_tmp75\_3\_temp -t 20,85 | Result: PASS  root@localhost:~# |
| ThermalSensorTest | Console DUT (115200) command:  208\_tmp75\_4\_temp -t 20,61 | Result: PASS  root@localhost:~# |
| ThermalSensorTest | Console DUT (115200) command:  228\_tmp75\_fan\_temp -t 20,61 | Result: PASS  root@localhost:~# |
| I2C\_Test | Console DUT (115200) command:  227\_i2c\_dev -t 0-0052 | Result: PASS  root@localhost:~# |
| FrontPortEEPROMTest | Console DUT (115200) command:  234\_lb\_sfp28\_eeprom -t 0 | Result: PASS  root@localhost:~# |
| FrontPort\_EEPROM\_Test | Console DUT (115200) command:  239\_dac\_qsfpdd\_eeprom -t 0 | Result: PASS  root@localhost:~# |
| Check\_QSFPDD | Console DUT (115200) command:  242\_ml\_qsfpdd\_pin\_test -t 0 | Result: PASS  root@localhost:~# |
| Check\_QSFPDD | Console DUT (115200) command:  243\_ml\_qsfpdd\_lpmode\_test -s 0 -p 0 | Result: PASS  root@localhost:~# |
| Check\_QSFPDD | Console DUT (115200) command:  243\_ml\_qsfpdd\_lpmode\_test -s 0 -p 1 | Result: PASS  root@localhost:~# |
| Check\_SFPP | Console DUT (115200) command:  217\_lb\_sfp28\_pin\_test -t 0 | Result: PASS  root@localhost:~# |
| PacketPathTest\_ELookback | Console DUT (115200) command:  002\_loopback\_traffic -d 600 | Result: PASS  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x21="RSEM-W1-32" | Product Name 0x21 10 RSEM-W1-32  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x22="81RSEM61.G05" | Part Number 0x22 12 81RSEM61.G05  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x23="Z2W1O1800016N01" | Serial Number 0x23 15 Z2W1O1800016N01  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x24="E8:C7:CF:AB:47:28" | Base MAC Address 0x24 6 E8:C7:CF:AB:47:28  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x25="07/17/2024 10:59:59" | Manufacture Date 0x25 19 07/17/2024 10:59:59  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x26="0x03" | Device Version 0x26 1 3  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x27="48RSEM61.SGB" | Label Revision 0x27 12 48RSEM61.SGB  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x28="C3558" | Platform Name 0x28 5 C3558  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x29="2020-12-21T10" | Loader Version 0x29 13 2020-12-21T10  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x2a="259" | MAC Addresses 0x2A 2 259  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x2b="WNC" | Manufacturer 0x2B 3 WNC  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom -s 0x2c="TW" | Country Code 0x2C 2 TW  root@localhost:~# |
| WirteEEPROM | Console DUT (115200) command:  onie-syseeprom | root@localhost:~# |
| TPM\_Test | Console DUT (115200) command:  103\_post\_tpm\_spi -t "STM" | Result: PASS  root@localhost:~# |
| FrontPortTest\_WithoutAllInsertion | Remove all DAC Cables |  |
| FrontPortTest\_WithoutAllInsertion | Console DUT (115200) command:  237\_present\_pin\_test -t 0 -v 1 | Result: PASS  root@localhost:~# |
| SSDTest | Console DUT (115200) command:  306\_ssd\_health -p | root@localhost:~# |
| SSDTest | Console DUT (115200) command:  306\_ssd\_health -t 1 | Result: PASS  root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  echo "BURNIN\_CYCLE=0" > /tmp/cycle\_record | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  cat /tmp/cycle\_record | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  cp /opt/cpss/config\_400g\_lp /opt/cpss/config\_400g | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  rm -rf /tmp/log/ | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  sync | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  sync | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  sync | root@localhost:~# |
| SetAutoBurnIn | Console DUT (115200) command:  cat /opt/cpss/config\_400g | root@localhost:~# |