

Section	Test #	Test Results	Failing DUTs	Failure Description	Issue #	Notes
Display Driver and Touch Screen	01.01.01	pass				Display 28
	01.02.01	pass				Screen does single flash of white, then loads.
	01.03.01	pass				Display 28
	01.04.01	pass				Display 28
	01.05.01	pass				Display 28
Display	01.06.01	pass				
28	01.07.01	fail	all	The board does not resume from touch. It does resume from hitting the S2 button.	DM3730WCE-12	The board does not resume from touch. It does resume from hitting the S2 button.
	01.07.02	pass				Display 28
	01.08.01	fail	all	Display does not turn off after inactivity timeout.	DM3730WCE-19	Display 28
	01.09.01	pass				Display 28
	01.10.01	pass				Display 28
	01.01.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
	01.02.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	Screen does single flash of white, then loads.
	01.03.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
	01.04.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
	01.05.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
Display	01.06.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
15	01.07.01	fail	all	The board does not resume from touch. It does resume from hitting the S2 button.	DM3730WCE-12	The board does not resume from touch.
	01.07.02	fail	all	Display 15 does not function properly with Hive image.		
	01.08.01	fail	all	Display does not turn off after inactivity timeout	DM3730WCE-19	
	01.09.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
	01.10.01	fail	all	Display 15 does not function properly with Hive image.	DM3730WCE-85	
	01.11.01	fail	all	Issues loading the DVI hive image (without setting video in LogicLoader).	DM3730WCE-86	
	01.12.01	pass				Updated TM and TPL.
	01.13.01	pass				Updated TM and TPL.
Audio	02.01.01	pass				
	02.02.01	pass				
	02.03.01	pass				
	02.04.01	pass				
	02.05.01	pass				
	02.06.01	pass				
	02.07.01	concern	all			Cannot close the AudioRecord application.
	02.08.01	fail	all	Static for a few seconds after suspend and resume.	DM3730WCE-83	
Wired Ethernet	03.01.01	pass				
Tests	03.02.01	pass				
	03.03.01	pass				
	03.04.01	pass				
	03.05.01	pass				
	03.06.01	pass				
	03.07.01	pass				
	03.08.01	pass				
	03.09.01	pass				
USB Host Tests	04.01.01	fail	SOM-LV	keyboard does not type after suspend.	OMAP3WCE600-423	
	04.01.02	fail	SOM-LV	Mouse did not respond after suspend.	OMAP3WCE600-423	
	04.01.03	fail	SOM-LV	MSD does no work after suspend/resume.	OMAP3WCE600-423	
	04.02.01	pass				
	04.02.02	pass				
	04.02.03	pass				
	04.02.04	pass				
	04.02.05	pass				
	04.02.06	pass				
	04.02.07	pass				
	04.02.08	pass				
	04.03.01	pass				Keyboard, 04.01.01
	04.03.02	pass				Mouse, 04.01.02
	04.03.03	pass				Mouse, 04.01.02
	04.03.04	pass				Small silver hub is full speed.
	04.03.05	pass				MSD, 04.01.07

Section	Test #	Test Results	Failing DUTs	Failure Description	Issue #	Notes
Serial Tests	05.01.01	N/A				See Section 6.
CETK	06.01.01	concern		1 failure of RTC testing	DM3730WCE-88	OAL testing - 16.01.01
	06.01.02	pass				OAL testing - 16.01.01
	06.01.03	pass				OAL testing - 16.01.01
	06.01.04	concern		1 failure of serial port tests	DM3730WCE-88	Serial port testing - 05.01.01
	06.01.05	pass				OAL testing - 16.01.01
	06.01.06	pass				OAL testing - 16.01.01
	06.01.07	pass				OAL testing - 16.01.01
	06.01.08	pass				OAL testing - 16.01.01
MMC/SD Tests	07.01.01	pass				
	07.02.01	pass				
	07.03.01	pass				
	07.04.01	pass				
	07.05.01	blocked				No SDIO card available.
	07.06.01	pass				
	07.06.02	pass				
	07.07.01	pass				
Touch Screen	08.01.10	N/A				Tested by Section 1 (display).
SPI	09.01.01	pass				
	09.02.01	pass				
YAFFS Flash	10.01.01	pass				
File System	10.02.01	pass				
System-Wide	11.01.01	N/A				See Section 6.
Power						
Management						
Wireless	12.01.01	pass				
Ethernet	12.02.01	pass				
	12.03.01	pass				
	12.04.01	pass				
	12.05.01	pass				
	12.06.01	pass				
	12.07.01	pass				
	12.08.01	pass				
Bluetooth Tests	13.01.01	pass				
	13.02.01	pass				
	13.03.01	pass				
DSP Tests	14.01.01	N/A				Not applicable to Windows Embedded CE BSP 3.0.2 – not implemented.
USB OTG Tests	15.01.01	pass				
	15.01.02	pass				
	15.01.03	pass				
	15.02.01	pass				
	15.02.02	pass				
	15.02.03	pass				
	15.02.04	pass				
	15.02.05	pass				
	15.02.06	pass				
	15.02.07	pass				
	15.02.08	pass				
	15.03.01	pass				Keyboard, 04.01.01
	15.03.02	pass				Mouse, 04.01.02
	15.03.03	pass				Mouse, 04.01.02
	15.03.04	pass				Small silver hub is full speed.
	15.03.05	pass				MSD, 04.01.07
	15.04.01	pass				
OAL	16.01.01	N/A				See Section 6.

Section	Test #	Test Results	Failing DUTs	Failure Description	Issue #	Notes
	16.01.03	pass				
GPIO	17.01.01	N/A				Tested by test 18.01.01
POWER-BUTTON	18.01.01	pass				
DEVICE DRIVER						
LED DEVICE	19.01.01	N/A				The LED Device Driver is not tested in this release.
DRIVER						
NAND R/W	20.01.01	pass				
STRESS TEST						
DVFS	21.01.01	pass				
Performance	22.01.01	pass				
Testing - Qbench						
Performance	23.01.01	pass				

Other JIRA	DM3730WCE-84	Certain displays do not operate properly if pre-initialized in LogicLoader.
Issues	DM3730WCE-82	DVI mode on SOM-LV produces blue tint if screen is not pre-initialized in LogicLoader.
	DM3730WCE-80	Hives LCD image doesn't boot on Torpedo SOMs.
	DM3730WCE-87	Display 28 / LogicLoader 2.5.2 glitch.

Total Pass:	119	TOTAL Number of Tests	
90	90	Pass	76%
81%	0	Pass R/L	0%
	3	Concern	3%
	18	Fail	15%
	1	Blocked	1%
	7	na	6%
	0	To Do	0%
	119	Done	100%

DM3730 Torpedo SOM (PN 1017878)

CETK tests	pass	fail	skipped	aborted	
Real-Time_Functions	3	1	0	0	26 min
Wall_Clock_and_RTC_Drift_Test	1	0	0	0	3 hr
Test_Write-through	11	0	0	0	1 hr 50 min
Test_Write-back	11	0	0	0	1 hr 50 min
Test_Instruction_Cache	6	0	0	0	50 min
Serial_Port_Driver_Test	10	0	1	0	1 min
High Perf Timer Print Resolution and Time	2	0	0	0	1 min
GTC Print Resolution and Time	2	0	0	0	1 min

Test 23.01.01

Power - On

Monitors	Value	Min	Max	Average
0: Kit: Main battery	1.104 W	1.077 W	1.135 W	1.104 W
1: SOM: Main battery	223.2 mW	215.8 mW	349.7 mW	239.6 mW
2: SOM: Backup battery	0.4 mW	0.4 mW	0.4 mW	0.4 mW
5: Baseboard: 1.8V	3.6 mW	1.6 mW	5.7 mW	2.6 mW

Power - UserIdle

Monitors	Value	Min	Max	Average
0: Kit: Main battery	1.101 W	1.071 W	1.117 W	1.092 W
1: SOM: Main battery	239.3 mW	217.0 mW	270.3 mW	239.1 mW
2: SOM: Backup battery	0.4 mW	0.4 mW	0.4 mW	0.4 mW
5: Baseboard: 1.8V	2.6 mW	1.6 mW	5.7 mW	2.5 mW

Power - SystemIdle

screen does not shut off

Power-Suspend

Monitors	Value	Min	Max	Average
0: Kit: Main battery	238.5 mW	234.0 mW	370.5 mW	302.3 mW
1: SOM: Main battery	200.9 mW	197.2 mW	204.6 mW	201.0 mW
2: SOM: Backup battery	0.4 mW	0.4 mW	0.4 mW	0.4 mW
5: Baseboard: 1.8V	2.6 mW	1.6 mW	5.7 mW	2.7 mW

DM3730 Torpedo SOM (PN 1023692)

CETK tests	pass	fail	skipped	aborted	
Real-Time_Functions	3	1	0	0	26 min
Wall_Clock_and_RTC_Drift_Test	1	0	0	0	3 hr
Test_Write-through	11	0	0	0	1 hr 50 min
Test_Write-back	11	0	0	0	1 hr 50 min
Test_Instruction_Cache	6	0	0	0	50 min
Serial_Port_Driver_Test	9	1	1	0	1 min
High Perf Timer Print Resolution and Time	2	0	0	0	1 min
GTC Print Resolution and Time	2	0	0	0	1 min

Test 23.01.01

Power - On

Monitors	Value	Min	Max	Average
0: Kit: Main battery	1.109 W	1.067 W	1.268 W	1.109 W
1: SOM: Main battery	245.5 mW	219.5 mW	414.2 mW	249.4 mW
2: SOM: Backup battery	0.4 mW	0.4 mW	0.4 mW	0.4 mW
5: Baseboard: 1.8V	1.6 mW	1.0 mW	1.6 mW	1.5 mW

Power - UserIdle

Monitors	Value	Min	Max	Average
0: Kit: Main battery	1.089 W	1.058 W	1.192 W	1.092 W
1: SOM: Main battery	248.0 mW	222.0 mW	272.8 mW	246.6 mW
2: SOM: Backup battery	0.4 mW	0.4 mW	0.4 mW	0.4 mW
5: Baseboard: 1.8V	1.6 mW	1.0 mW	2.6 mW	1.5 mW

Power - SystemIdle

screen does not shut off

Power-Suspend

Monitors	Value	Min	Max	Average
0: Kit: Main battery	273.0 mW	234.0 mW	358.5 mW	310.7 mW
1: SOM: Main battery	200.9 mW	200.9 mW	204.6 mW	202.5 mW
2: SOM: Backup battery	0.4 mW	0.4 mW	0.4 mW	0.4 mW
5: Baseboard: 1.8V	2.6 mW	1.0 mW	2.6 mW	1.6 mW

DM3730 SOM-LV (PN 1017318)

CETK tests	pass	fail	skipped	aborted	
Real-Time_Functions	3	1	0	0	26 min
Wall_Clock_and_RTC_Drift_Test	1	0	0	0	3 hr
Test_Write-through	11	0	0	0	1 hr 50 min
Test_Write-back	11	0	0	0	1 hr 50 min
Test_Instruction_Cache	6	0	0	0	50 min
Serial_Port_Driver_Test	10	0	1	0	1 min
High Perf Timer Print Resolution and Time	2	0	0	0	1 min
GTC Print Resolution and Time	2	0	0	0	1 min

Test 23.01.01

Power - On

Monitors	Value	Min	Max	Average
0: Kit	2.475 W	2.438 W	2.691 W	2.475 W
1: SOM: Main battery	343.5 mW	334.8 mW	514.6 mW	350.2 mW
2: SOM: Backup battery	0.1 mW	0.1 mW	0.1 mW	0.1 mW
3: SOM: 3.3V	546.8 mW	536.9 mW	550.6 mW	545.6 mW
4: SOM: 5V	0.0 mW	0.0 mW	0.0 mW	0.0 mW

Power - UserIdle

Monitors	Value	Min	Max	Average
0: Kit	1.804 W	1.744 W	2.124 W	1.846 W
1: SOM: Main battery	305.0 mW	286.4 mW	481.1 mW	309.2 mW
2: SOM: Backup battery	0.1 mW	0.1 mW	0.1 mW	0.1 mW
3: SOM: 3.3V	519.6 mW	508.4 mW	522.0 mW	516.7 mW
4: SOM: 5V	0.0 mW	0.0 mW	0.0 mW	0.0 mW

Power - SystemIdle

screen does not shut off

Power-Suspend

Monitors	Value	Min	Max	Average
0: Kit	846.0 mW	843.0 mW	1.069 W	847.8 mW
1: SOM: Main battery	266.6 mW	266.6 mW	406.7 mW	268.9 mW
2: SOM: Backup battery	0.1 mW	0.1 mW	0.1 mW	0.1 mW
3: SOM: 3.3V	155.0 mW	148.8 mW	158.7 mW	154.9 mW
4: SOM: 5V	0.0 mW	0.0 mW	0.0 mW	0.0 mW