Key	General	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description	
	Name of the board	HiKey						
	Email address (primary)							
	Email addresses (secondary)							
	Target Specification	CE v1.0						
	Form Factor	CE v1.0 (standard) - 85 x .	+/- 0.25mm error margin allowed	Fail	HDMI connector overhangs the board edge board thickness is 1mm there is capacitor which height is 7.5mm above the to of the board Overall thickness fits 12mm Vendor response: Because Linaro use the engineering version board for the compliance test. In the production version, LeMaker already change the HDMI connector to a short one and also change the capacity to a short one. Now on the production version, the form factor is already right. The connector starts 9.68mm from the edge of the board. So the center of the is more than 1mm further from the edge than spec allows. The worst thing is that it varies from board to board. Vendor response: This will be fixed in next batch of production units. [1]	Waived	Using 3D templates for the appropriate form-factor	

Key	Documentation	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description	
	Board Schematic published	Yes		Pass	https://github.com/96boards/d			
	Board Reference Manual published	Yes	Board reference manual should follow template	Pass	https://github.com/96boards/d			
	SoC technical reference published	Yes	SoC TRM published as per guidelines	Pass	https://github.com/96boards/doc			

Key	Memory and Storage	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description	
	Onboard DRAM (GB)	1	CE: >= 0.5GB; EE: >= 1GB or DIMM	Pass	2G version available	Pass		
	Additional memory sockets			Ignored				
	SD Card	microSDHC	CE: Mandatory	Pass				
	Boot from SD Card?	Yes		Pass				
	Boot ROM	No	CE: optional, only if SD card is not bootable	Ignored				
	Boot ROM size (MB)		CE: 8MB (optional)	Ignored				
	Onboard Flash storage	Yes	Optional	Pass				
	Onboard Flash storage size (GB)		Optional	Pass				
	SATA interface	None	Optional	Ignored				

Key	Networking	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description	
	Wifi protocol	802.11 g/n/ac		Pass				
	Bluetooth 4.0 LE	Yes		Pass				

Key	Debugging	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description	
	UART 1 (LS expansion interface)	Yes	default mandatory UART	Pass				
	UART 2 (LS expansion interface)	Yes	CE: optional					
	4 User LEDs	Yes		Pass				
	WiFi LED	Yes		Pass				

				Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
BT LED	Yes			Pass			
JTAG	Yes	Optional		Pass			

Key	USB	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Port 1 - Host (Protocol)	USB 2.x		Pass			
	Port 1 - Host (Connector)	Type A		Pass			
	Port 2 - Host (Protocol)	USB 2.x		Pass			
	Port 2 - Host (Connector)	Type A		Pass			
	Port 3 - Slave (Protocol)	USB 2.x		Pass			
	Port 3 - Slave (Connector)	micro-B (for slave-only)		Pass			
	Port 4 - Host (Protocol)	USB 2.x		not tested			
	Port 4 - Host (Connector)	Other		not tested			

Key	Display	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Display Type	HDMI	CE: Audio support for at least 1 channel is manda	Pass		Pass	
	Display Connector	Type A (full-size)		Pass		Pass	
	MIPI DSI port on HS expansion bus	Yes			not tested		
	MIPI DSI lanes	4			not tested		

Key	Camera	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	MIPI CSI-2 ports		(Review) CE: Port 1 should be on CSI0 port (1-4 la				

Key	Audio	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Audio channels (BT)	2	CE: I2S/PCM channel should be provided on LS ex	Pass	I2S not tested	Pass	
	Audio channels (Display)	2		Pass		Pass	

Key	DC Power	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Power source	DC Power Jack (8-18V)		Pass		Pass	

Key	Buttons / Switches / Jumpers	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Power on/off	Yes	Mandatory	Pass		Pass	
	Hard reset		Mandatory				
	Auto power up	Through Jumper	Mandatory	Pass		Pass	
	USB mode change	NA	Optional, to change mode of the OTG port	Pass		Pass	

Key	Expansion header	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Low-speed expansion header	Yes	Signals to be exposed as per spec	Pass			
	High-speed expansion header	Yes	CE: mandatory	Pass			

Key	Miscellaneous	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	External Fan	+5V		Pass	both 5V and 12V fans are suppo		

Key	Software	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Kernel git tree URL	https://github.com/96boards/linux.git		Pass			
	Kernel version	v4.4	git commit: 5a1ed9ac6d75f9aaa4e5e68abe159f353d38ea86	Pass			
	Kernel compliance Level	Level 4	Level definitions as per spec	Pass			
	All bootloader bits are open source	Yes	According to the spec, it is recommended for everything after SoC reset to be available as open source				
	Last-stage bootloader git tree URL	https://github.com/96bo	e.g. UEFI/EDK2 or u-boot	Pass			
	Fastboot protocol support	Yes		Pass			

	Software Functionality	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	User can update bootloader	Yes		Pass			
	Possibility to unbrick the board w/o special hardware	Yes		Pass	https://bugs.96boards.org/show		
	GPU acceleration	Needs userspace binary					
	Camera ISP	NA					
	DSP	NA					
	Multimedia	NA					

Key	Software Functionality	Response	Comments	Validation Results (Linaro)	Linaro comments	Final Results (Linaro)	Validation Test Description
	Boot to Graphical UI	Yes	both Debian and AOSP builds work fine	Pass			
	Graphics acceleration using SoC GPU	Yes		Pass			
	ndard set of Distribution end user applications	Yes		Pass			
	Video playback support for media files	Yes		Pass			
	edia files via A2DP Bluetooth and display audio	Yes		Pass			
	Networking using all onboard interfaces and USB ethernet interfaces	Yes		Pass			
	Software power shutdown and reboot options	Yes		Pass			
	Appropriate activity LEDs (e.g. Bluetooth, WiFi)	Yes		Pass			
	Additional storage is usable: eMMC (if fitted), SD, SATA, USB	Yes		Pass			

[1] Ad:
Because Linaro use the engineering version board for the compliance test. In the production version, LeMaker already change the HDMI connector to a short one and also change the capacity to a short one. Now on the production version, the form factor is already right.