

Product Quality Audit Report

Date 18/08/2015	Customer (UNI09) Universitat zu Kiel				
Invotec Details	Tool Number 170151	Works Order 275501	Sales Order 273315	Layer Type MULTILAYER (10)	Release ECSS-Q-ST-70-11C
Customer Details	Part Number EPT-HET DIGITAL BOARD		Part Issue 1-V02		Purchase Order Number 179

PCB MARKINGS

Part number & Issue / revision level correct	Accept
Manufacturers mark & date code correct	Accept
Release coding (UL mark etc) correct	Accept

GENERAL

Profiled edges free from loose fibres, pip marks etc	Accept
Bow and Twist within specification	Accept
Materials / surface finish correct	Accept
General appreance / workmanship	Accept
Electrical Test complete	Accept
Laboratory Test complete (Report available if required)	Accept
Sample board included	Accept

Spec:

Actual:

OUTER LAYER PATTERN

Annular Ring meets min requirements	Accept
Track width	Accept
Track spacing	Accept
Conductor pattern (Spurious copper etc within acceptable limits)	Accept

SOLDERMASK / ANNOTATION / PEELABLE MASK

Solder Resist colour / type	N/A
Annotation colour	N/A
No encroachment onto pads (other than by design)	N/A
Solder Resist free from skips, inclusions etc	N/A
Legend clear and legible	N/A
Adhesion	N/A
No contamination of component holes	Accept
Peelable mask - correct type / registration / coverage	N/A

DIMENSIONS / SCORE / BOARD THICKNESS

Outline dimensions correct	N/A
Hole sizes correct	N/A
Score lines - correct position / web thicknes	N/A
Board thickness - MM	Accept

Spec: 1.50 +0.10 / -0.10

Actual: 1.47



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Hole size summary

Hole Ref	Nominal	Tolerance		Actual	Type	Unit
		+	-			
9	0.60	0.10	0.10	0.58	PTH	MM
10	0.65	0.10	0.10	0.68	PTH	MM
11	2.00	0.10	0.10	2.03	PTH	MM
12	2.20	0.10	0.10	2.20	PTH	MM

DIMENSIONAL SUMMARY

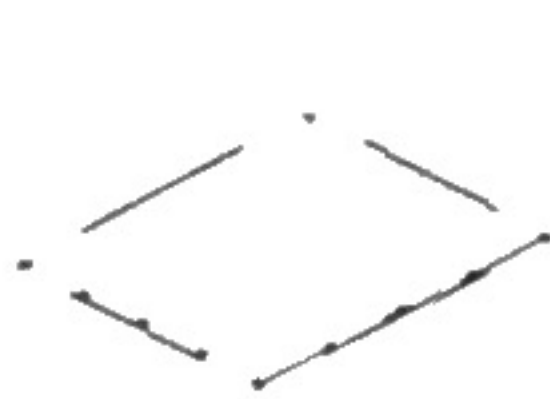
Ref No	Nominal	Tolerance		Actual	Deviation	Unit
		+	-			

Dimensional report
attached

NOTES

COMPLETED BY

Jessica Groves



rawing No.		Batch No.	AA2	Date	14-Aug-15 18:44
ol Number	170151	W/O No	275501	Inspector	A.DEELEY
stomer	UNI09	Material		Notes	

Identifier		Dimension		Dim.	Limit		Geometric Tolerance			
		Nominal	Actual	Error	Upper	Lower	Pass/Fail	Actual	Limit	Pass/Fail
m	Unit 16 Unit 14 Unit 8 Unit 18	29.00	29.00	0.00	29.20	28.80	PASS			
m		24.00	24.00	0.00	24.20	23.80	PASS			
mm		100.00	99.99	-0.01	100.30	99.70	PASS			
Rad		R2.00	R1.99	R-0.01	R2.10	R1.90	PASS			
Rad		R2.00	R2.00	R0.00	R2.10	R1.90	PASS			
Rad		R2.00	R1.99	R-0.01	R2.10	R1.90	PASS			
Rad		R2.00	R1.98	R-0.02	R2.10	R1.90	PASS			
mm		120.00	119.99	-0.01	120.30	119.70	PASS			
m		29.00	28.99	-0.01	29.20	28.80	PASS			
m		29.00	28.99	-0.01	29.20	28.80	PASS			
m		29.00	29.00	0.00	29.20	28.80	PASS			
m		24.00	23.99	-0.01	24.20	23.80	PASS			
m		24.00	24.00	0.00	24.20	23.80	PASS			
m		24.00	24.02	0.02	24.20	23.80	PASS			
m		96.00	96.00	0.00	96.30	95.70	PASS			
mm	116.00	115.99	-0.01	116.30	115.70	PASS				