

Product Quality Audit Report

Date	Customer				
11/06/2015	(UNIO9) Universitat zu Kiel				
Invotec Details	Tool Number	Works Order	Sales Order	Layer Type	Release
	168637	274059	271875	MULTILAYER (6)	ECSS-Q-ST-70-11C
Customer Details	Part Number		Part Issue		Purchase Order Number
	EPT-Preamps		-		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 appearance / workmanship	Accept
Electrical Test complete	Accept
Laboratory Test complete (Report available if required)	Accept
Sample board included	Accept

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)	Accept
Solder Resist free from skips, inclusions etc	Accept
Legend clear and legible	Accept
Adhesion	Accept
No contamination of component holes	Accept
Peelable mask - correct type / registration / coverage	N/A

DIMENSIONS / SCORE / BOARD THICKNESS

Outline dimensions correct	Accept		
Hole sizes correct	Accept		
Score lines - correct position / web thicknes	Accept		
Board thickness - MM	Accept	Spec: 1.60 +0.16 / -0.16	Actual: 1.57

Hole size summary

Hole Ref	Nominal	Tolerance		Actual	Type	Unit
		+	-			
	2.21	0.10	0.10	2.20	PTH	MM
	1.78	0.10	0.10	1.83	PTH	MM
	0.71	0.10	0.10	0.70	PTH	MM
	0.66	0.10	0.10	0.66	PTH	MM
	0.60	0.10	0.10	0.62	PTH	MM

DIMENSIONAL SUMMARY

Ref No	Nominal	Tolerance		Actual	Deviation	Unit
		+	-			

See dimensional report
attached to FAIR

FAIR NOTES

COMPLETED BY

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Drawing No.		Batch No.	3AA	Date	10-Jun-15 12:37
Tool Number	168637	W/O No	274059	Inspector	AD
Customer	UNI09	Material		Notes	

Identifier	Dimension		Dim.	Limit		Pass/Fail	Geometric Tolerance		
	Nominal	Actual	Error	Upper	Lower		Actual	Limit	Pass/Fail
2mm	2.00	2.00	0.00	2.10	1.90	PASS			
2mm	2.00	2.02	0.02	2.10	1.90	PASS			
55mm	55.00	55.01	0.01	55.10	54.90	PASS			
100mm	100.00	99.99	-0.01	100.10	99.90	PASS			