	11)	Electronics Pvt.Lto				Email:sales@hinelect	nics com		
	×	Quality PCB's for tommorrow's technolog	25055		Email:soles@hiqelectronics.com				
Certi	ificate of Confor	mance number:	26957		Date:	21-A _K	or-14		
Custo	mer name	MINDTECK							
Customer P.O. # MT/Po/BLR/2014-15/6			640/15-4-2014						
PCB Part number 17-600541-100 REV A I			IOP-AI1 CARD						
Appli	cable Standard	IPC-600-Class 2							
nvoice reference # 0111/2014-2015									
1)	Manufacturing Date Code		WK15 / YR2014		Quantity	12 No's			
1) a)	Layer Count :	8L							
		1				-			
2)	PTH Copper Hole	: Thickness (Microns)	Avg 20 microns, min 18 microns		IPC-600 Class 2	31-35 μ			
3)			Requirement	Tolerance +	Tolerance -	Actual M	easured		
	PCB Thickness (N	letal To Metal in mm)	1.530	0.077	0.070	1.5	40		
	MINIMUM LINE WIDTH		Requirement	Tolerance +	Tolerance -	Actual N	leasured		
3) a)			5.93	20.00%	20.00%	5.93 MIŁ			
	MINIMUM SPACING		Requirement	Tolerance +	Tolerance -	Actual Measured			
3) b)			5.99	20.00%	20.00%	5.99 MIL			
			TYPE	Thickness required	Reference	Thickness Actual	ROHS		
				NI - 3 To 6 μ		4.461			
4)	SURFACE FINISH		Immersion Ni/Au	Au - 0.05 μ min	IPC 4552	0.059	Yes		
,	301171621111311								
	Material Requested		FR4 High Tg		Laminate used	EMC 827			
5)	Material Reference		-						
	TG Requested (D	TG used			170 Deg C				
5)	SOLDER MASK TY		PISM BLACK		(degrees) Reference	Black			
7)	SOLDER MASK AD		Tape test-Passed						
8)			Passed						
9)	SOLDERABILITY T								
10)	SOLDER MASK RE	QUIREMENT	complete coverage and no Cu exposure YES						
11)	Legend Color		White, No Serial Number						
12)	ELECTRICAL /BBT	TEST	Passed						
13)	UL LOGO PRINTIN	IG	YES						
14)	Warpage value		Tolerance +	Tolerance -	Actual Measured				
·			0.75%	0.75%	ОК				
15)	Impedance Meas	ured with coupon using TDR	Tolerance +	Tolerance -	Actual Measured				
//	peadilectivieds	oospon somb ron	10.00%	10.00%	Report enclosed				

Certi	ficate of Confo	rmance num	ber	26957		Date:	21-Apr-14	
16)	Trace Copper th	ickness (micron	5)					
	Layer#	Customer requirement		Tolerance		Tol Ref	Actual Measured	Ref#
		Base	Finish	Positve	Negative		Finished	
	L1	18 μ	50 μ	No value	0 μ	IPC-600 Class 2	56 μ	
	L2-L3	35 μ	35 μ	No value	24.9 μ	IPC-600 Class 2	35 μ	
	L4-L5	35 μ	35 μ	No value	24.9 μ	IPC-600 Class 2	35 μ	
	L6-L7	35 μ	35 μ	No value	24.9 μ	IPC-600 Class 2	35 μ	
	L8	18 μ	50 μ	No value	0 μ	IPC-600 Class 2	56 μ	
17)				Drill Diamete	er information			
Tool		No. of					Actual	
No.	Size in mm	holes	PTH / NPTH	Tolerance +	Tolerance -	Tol Ref	Measured	
	0.0540	502	рти	0.0000	0.0000	IPC-600 Class 2		
1	0.2540	593	PTH	0.0800	0.0800	IPC-600 Class 2	=	
2	0.3048	1031	PTH	0.0800	0.0800		*	
3	0.4064	14	PTH	0.0500	0.0500	IPC-600 Class 2	0.500	
4 *	0.5001	144	PTH	0.0800	0.0800	IPC-600 Class 2	0.520	
5	0.5080	5	PTH	0.0800	0.0800	IPC-600 Class 2	-	
6 *	0.7500	18	PTH	0.0800	0.0800	IPC-600 Class 2	0.760	
7	0.8001	2	PTH	0.0800	0.0800	IPC-600 Class 2	0.820	
8	0.8636	5	PTH	0.0800	0.0800	IPC-600 Class 2	0.870	
9	0.8999	8	PTH	0.0800	0.0800	IPC-600 Class 2	0.920	
10	1.0160	8	PTH	0.0800	0.0800	IPC-600 Class 2	1.020	
11	1.1176	18	PTH	0.0800	0.0800	IPC-600 Class 2	1.120	
12	2.0000	2	PTH	0.0800	0.0800	IPC-600 Class 2	2.070	
13	3.5560	4	PTH	0.0800	0.0800	IPC-600 Class 2	3.610	
14	4.0000	3	PTH	0.0800	0.0800	IPC-600 Class 2	4.060	
15	1.0200	4	NPTH	0.0500	0.0500	IPC-600 Class 2	1.020	
16	2.1000	2	NPTH	0.0500	0.0500	IPC-600 Class 2	2.110	
17	2.4384	1	NPTH	0.0500	0.0500	IPC-600 Class 2	2.460	
				Required	Tolerance +	Tolerance -	Tolerance Ref	Measured
	DIMENSION WITH TOLERANCE (MM)			161.82	0.20	0.20	IPC-600 Class 2	161.87
101					0.30	0.30	IBC 600 Class 3	126.00
18)				127.00	0.20	0.20	IPC-600 Class 2	126.98
	ards. These bo		are in conformance w		atons , requirem	ents , drawings , or	der and in conforma	ance with IPC
Signat	ure	Ske	1					