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COMPANY

PCB NAME

Laycad P.N.

REV

DATE

LAYER

SolidRun

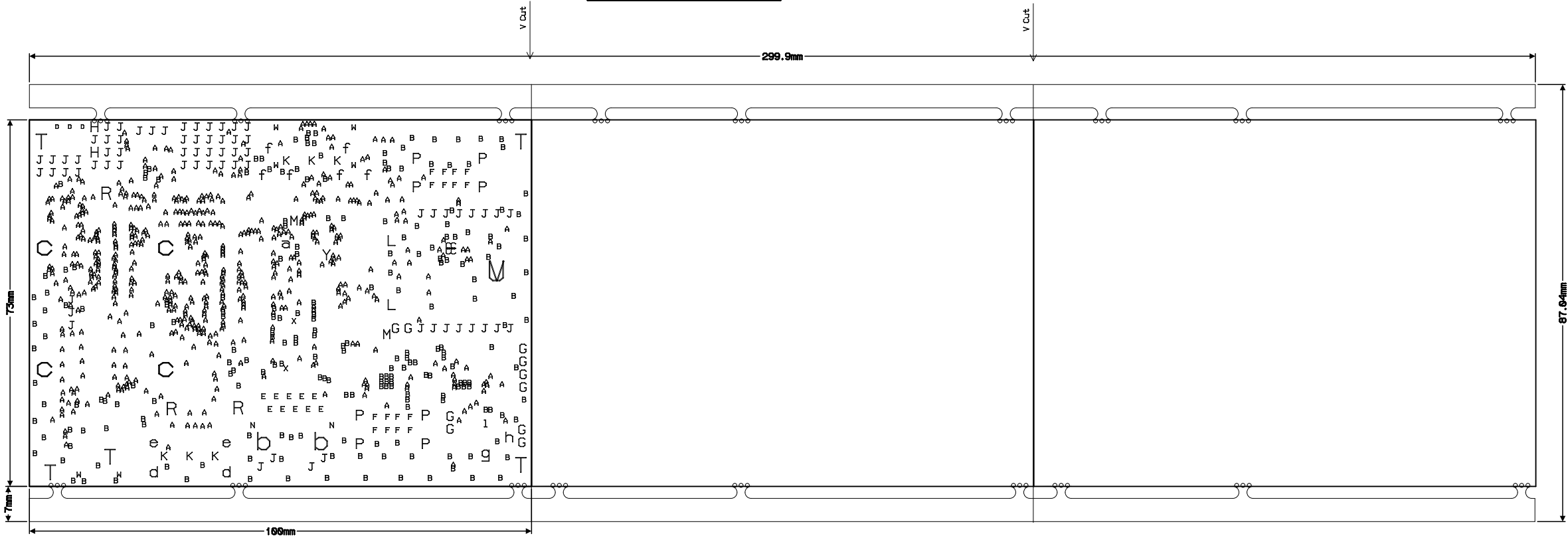
HummingBoard2

2368c

REV-1.2

June 2015

LAYERS TABLE	
Drill Drawing	



Through Holes All Drills (unless specified) +0.10 / -0.05 (mm) Solid-Run HummingBoard 2 rev1.2				
Symbol	Diameter (mm)	Tolerance (mm)	Plated	Quantity
A	0.20		Yes	559
B	0.25		Yes	214
C	0.30		Yes	4
D	0.79		Yes	3
E	0.89		Yes	10
F	0.92	+/- 0.05	Yes	16
G	0.99		Yes	10
H	1.00	+0.10 / -0.00	Yes	2
J	1.02		Yes	68
K	1.40		Yes	6
L	1.50		Yes	2
M	1.60	+/- 0.05	Yes	2
N	1.65	+/- 0.05	Yes	2
P	2.30	+/- 0.10	Yes	8
R	2.40		Yes	3
T	2.85	+/- 0.05	Yes	5
U	3.50	+/- 0.05	Yes	1
V	3.60	+/- 0.05	Yes	1
W	1.00	+/- 0.05	No	6
X	1.10	+/- 0.05	No	2
Y	1.10	+0.10 / -0.00	No	1
a	1.60	+0.10 / -0.00	No	1
b	3.30		No	2
c	3.80		No	4
d	1.50x0.90 R90		Yes	2
e	2.50x0.90 R90		Yes	2
f	2.00x1.00 R90		Yes	6
g	4.00x1.00 R0		Yes	1
h	4.00x1.00 R90		Yes	1
i	4.50x1.00 R0		Yes	1
Laycad 2368c				

Layer stackup	
Layer 1	1.5 Oz
Layer 2	3.7 mil
Layer 3	1.0 Oz
Layer 4	3.7 mil
Layer 5	1.5 Oz
Control Impedance 50 Ohm on trace width 4mil single ended	
Control Impedance 100 Ohm on 5-10-8mil diff. pair	
Control Impedance 90 Ohm on 8-8-8mil diff. pair	
Control Impedance 85 Ohm on 8-8-8mil diff. pair	

- Number of Layers - 4
- Solder Mask apply to - P.S / C.S
- Type of SolderMask - PHOTO IMAGABLE, SMOBC
- Solder Mask color - Black
- Apply marking to - C.S P.S
- Marking color - White
- Board thickness - 1.57 mm (0.063") +/-10%
- Copper thickness - Layer information
- DRILL TAPE - FILE ATTACHED
- Material - FR4 High TG (180o)
- Documentation required - C.O.C / Test Data
 - UL MARKINGS - (ETCHED OR SILK SCREENED)
 - 1. MANUFACTURERS NAME
 - 2. UL MARK AND FILE NUMBER
 - 3. FLAMABILITY RATING (94V-0 MIN)
 - 4. DATE OF MANUFACTURING - (WEEK/YEAR)
- The minimum Resistance to Short circuit test of bare Board is R<10 OHM
- The minimum Resistance to Open circuit test of bare Board is R>10 M OHM
- Electrical test on SMD pad both sides
- Compare gerber netlist with IPC358 Netlist
- Route tolerance is +/-0.15mm
- Plug Via Holes from C.S. if Layer Spot file is provided - NO
- Immersion Gold over Nickel finish as Per IPC2221- YES
- Hot Air Leveling - NO
- ROHS.
- Edge Connector Golden plated - NO
 - Gold over Nickel 1.5 micron
- Design STD. - IPC2222
- Mechanical out drawing - Gerber Drill File
- Drill tolerance +0.1/-0.05mm
- Panel 3x1 as shown

