

COMPANY

SolidRun

PCB NAME

HummingBoard2

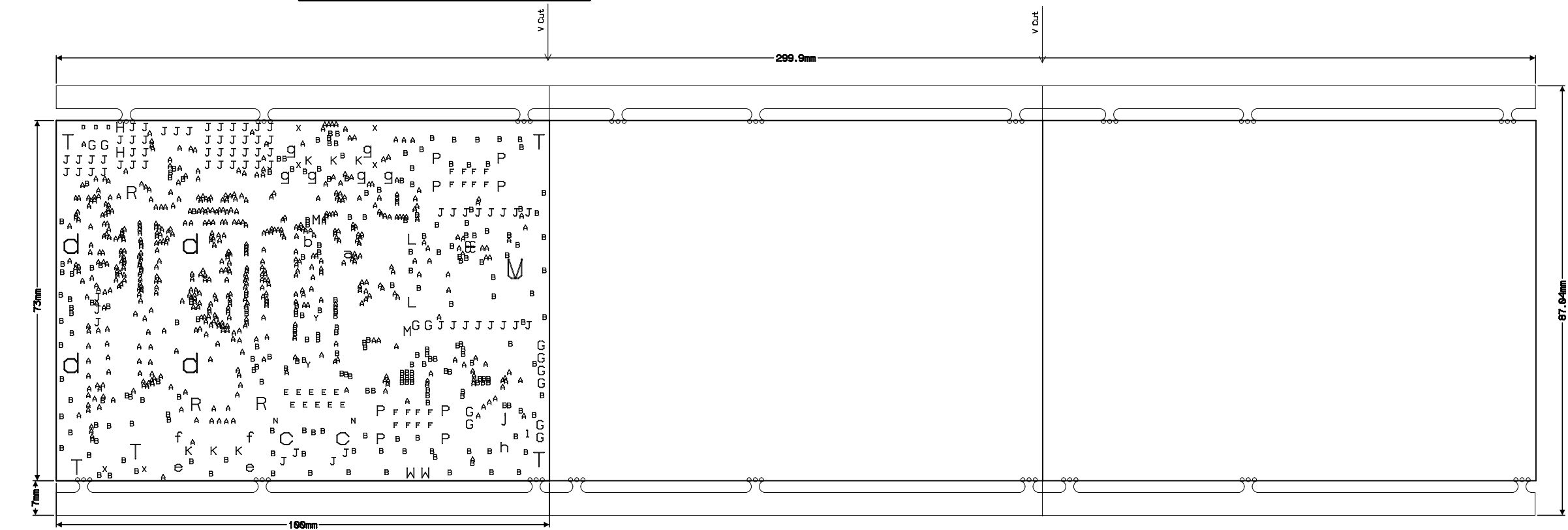
REV

REV-1.4

DATE

January 2017

LAYER



Through Holes				
All Drills (unless specified) +0.10 / -0.05 (MM)				
Solid-Run HummingBoard 2 rev1.4				
Symbol	Diameter	Tolerance	Plated	Quantity
A	0.20		Yes	566
B	0.25		Yes	222
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	12
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	0.90		No	2
X	1.00	+/- 0.05	No	6
Y	1.10	+/- 0.05	No	2
a	1.10	+0.10 / -0.00	No	1
b	1.60	+0.10 / -0.00	No	1
c	3.30		No	2
d	3.80		No	4
e	1.50x0.90 R90		Yes	2
f	2.50x0.90 R90		Yes	2
g	2.00x1.00 R90		Yes	6
h	4.00x1.00 R0		Yes	1
i	4.00x1.00 R90		Yes	1
j	4.50x1.00 R0		Yes	1

Layer stackup	
Layer 1	1.5 Oz
Layer 2	1.0 Oz
Layer 3	1.0 Oz
Layer 4	1.5 Oz

Control Impedance 50 Ohm on trace width 4mil single ended
Control Impedance 100 Ohm on 5-10-5mil diff. pair
Control Impedance 90 Ohm on 6-8-8mil 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

