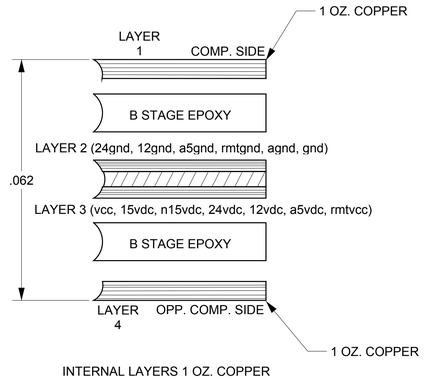
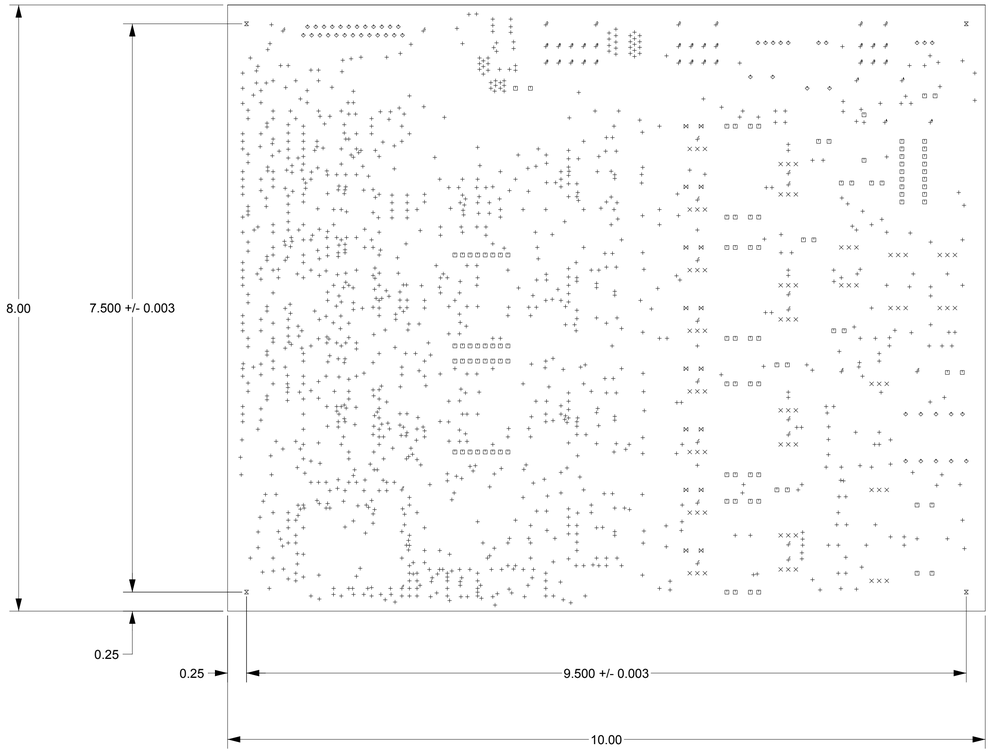
FINISHED HOLE SIZE TABLE

DRILL SYMBOL	DRILL SIZE	COUNT	PLATED	Min/Max
+	0.010	1230	Yes	+0/-0.010
⋈	0.030	16	Yes	+/-0.003
1	0.038	108	Yes	+/-0.003
◇	0.042	49	Yes	+/-0.003
×	0.046	75	Yes	+/-0.003
A	0.052	4	Yes	+/-0.003
F	0.067	2	No	+/-0.003
B	0.071	24	Yes	+/-0.003
C	0.073	16	Yes	+/-0.003
E	0.109	2	Yes	+/-0.003
D	0.118	6	No	+/-0.003
G	0.120	2	Yes	+/-0.003
⧖	0.180	4	No	+0.002/-0
Total		1538		



INTERNAL LAYERS 1 OZ. COPPER



NOTES :

1.0 RoHS: PCB MUST COMPLY WITH WATERS RoHS REQUIREMENTS DOCUMENT 735001207.

2.0 MATERIAL:
2.1 MATERIAL TO BE IN ACCORDANCE WITH IPC-4101/99 OR BETTER.
2.2 MATERIAL SHALL HAVE A DECOMPOSITION TEMPERATURE OF >=325 DEGREES C WITH CTE <=3.5% FROM AMBIENT TO 288 C AND SURVIVE 6 ASSEMBLY REFLOW EXCURSIONS.
2.3 MANUFACTURER MAY ADD THIEVING TO EXTERNAL LAYERS TO IMPROVE COPPER DISTRIBUTION FOR PLATING. THIEVING MUST BE A MINIMUM OF .150 FROM ANY DESIGN FEATURE AND NO THIEVING IS ALLOWED UNDER ANY SURFACE MOUNT COMPONENTS.

3.0 SURFACE FINISH:
3.1 ELECTROLESS NICKEL IMMERSION GOLD (ENIG) 3 - 8 MICRO INCHES OF GOLD OVER 100 - 200 MICRO INCHES OF NICKEL.

4.0 SOLDERMASK:
4.1 ALL VIAS TO BE CAPPED FROM THE PRIMARY SIDE WITH A SECONDARY SOLDERMASK, AFTER THE FINAL SURFACE FINISH IS APPLIED.
4.2 SOLDERMASK OVER BARE COPPER (SMOBC).

5.0 PRINTED CIRCUIT BOARD FABRICATION NOTES AND REGULATORY REQUIREMENTS TO COMPLY WITH WATERS DOCUMENT NUMBER 735001870.

6.0 USE ARTWORK PHOTO 610000425 REV B FOR BOARD FABRICATION.

UNLESS OTHERWISE SPECIFIED

All dimensions are in inches. Remove all burns and break sharp edges.

Tolerances:
Decimals
.XX = ± .01
.XXX = ± .005
Angles = ± 0°30'

SURFACE ROUGHNESS 63

DO NOT SCALE PRINT

DESIGN	B.Dequire	DATE 08/09
DRAWN	D.Laverty	DATE 08/09
CHECKED		DATE
ENGR		DATE
ENGR		DATE
APPROVED		DATE

Waters
34 Maple St. Milford MA 01757 USA

TITLE
PCB
PUMP DRIVER

SIZE	DWG NO	REV
D	510000425	B

SCALE 1 : 1 | MENTOR EXPEDITION | SHEET 1 OF 1

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