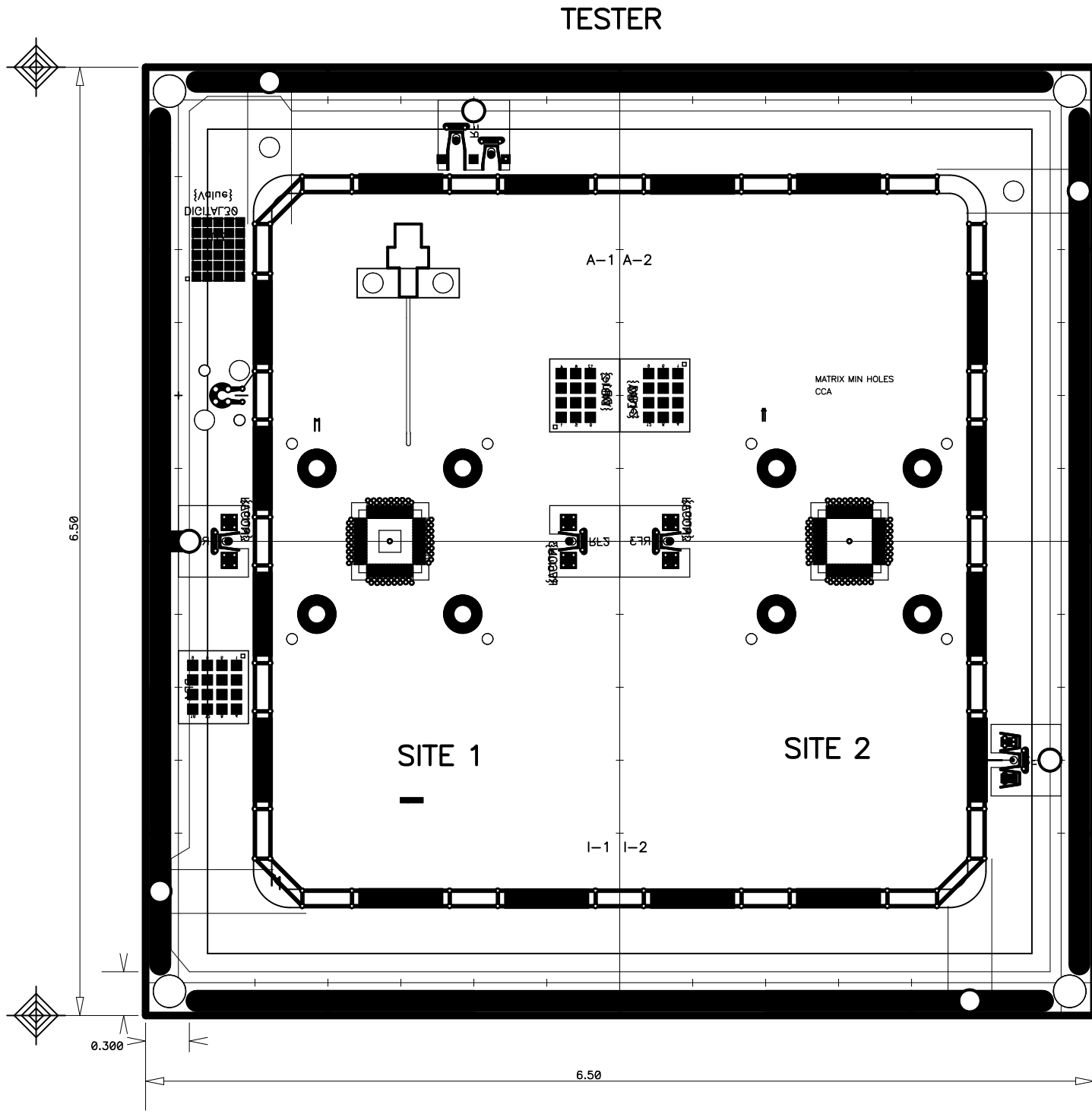


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RF1

|                                     |                     |
|-------------------------------------|---------------------|
| THIS LAYER                          |                     |
| =>                                  | COPPER GROUND PLANE |
| =>                                  | COPPER BOTTOM       |
| =>                                  | SOLDER MASK BOTTOM  |
| ROOS INSTRUMENTS<br>SANTA CLARA, CA |                     |
| ARTWORK NO. CCA                     |                     |
| NAME                                | MATRIX MIN HOLES    |

**NOTES**

CUTOUT .020 DIA ROUTED PER ROUTE.GBR UNPLATED  
Gerber assumes .020 tool dia inside dimensions below

0.000 0.020 0.100 0.120  
0.000 0.130

0.0 0.050  
0.080 0.200  
0.220 0.200  
0.300 0.520

TOP SIDE GROUND PLANE, NEGATIVE  
0.015 TRACE TOLERANCE +/- 0.002  
0.006 SPACES AND 0.006 TRACES  
NO LOADING LEGEND  
SOLDER MASK IS A POSITIVE, APPLY 2 COATS  
ALL HOLE DIAMETERS ARE AFTER PLATING MATERIAL  
FR-4, 0.010" +/- 0.002" CORE  
1/2 OZ COPPER MIN BOTH LAYERS  
COPPER PLATING IN ALL HOLES TO BE .001 MINIMUM

FINISH, MINIMUM OF 50uIN HARD GOLD OVER 200uIN NICKEL.  
CRITICAL AREA IS TOP SIDE GND PLANE FINGERS  
IN 2 AREAS IN CENTER OF BOARD.  
MUST BE ELECTROPLATED GOLD/NICKEL  
NICKEL PER ASTM B689-97, TYPE2 CLASS 5  
GOLD PER ASTM B488-01, TYPE 1, HARDNESS C, CLASS 0.50

CRITICAL HOLE LOCATION IS UNPLATED X TO ITS CLEARANCE PAD +/- .002  
LOCATE ALL PLTD HOLES WITHIN .003 OF PAD CENTER  
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HOLE SCHEDULE

| SYMBOL | QTY. | DIA. | TOL. + | TOL. - | PLATED | NOTES                  |
|--------|------|------|--------|--------|--------|------------------------|
| +      | 231  | .010 | .004   | .010   | YES    | VIAS (BASE=80)(RF=10)  |
| X      | 22   | .126 | .001   | .001   | NO     | DIB ALIGNMENT PINS     |
| A      | 8    | .210 | .003   | .003   | NO     | CLEARANCE              |
| Y      | 32   | .125 | .003   | .003   | YES    | DIB MOUNTING (BASE=15) |
| Z      | 4    | .063 | .003   | .003   | NO     | SOCKET                 |
| Z      | 12   | .110 | .003   | .003   | NO     | SOCKET                 |
| T      | 4    | .025 | .003   | .003   | YES    | PINS                   |
|        | 0    |      | .003   | .003   |        |                        |

|   |                                     |
|---|-------------------------------------|
| UNLESS OTHERWISE SPECIFIED<br>.XX +/- .015<br>.XXX +/- .005<br>DIMENSIONS ARE IN INCHES | ROOS INSTRUMENTS<br>SANTA CLARA, CA |
| FAB NO.   | CCA                                 |
| NAME  | MATRIX MIN HOLES                    |