

8

7

6

5

4

3

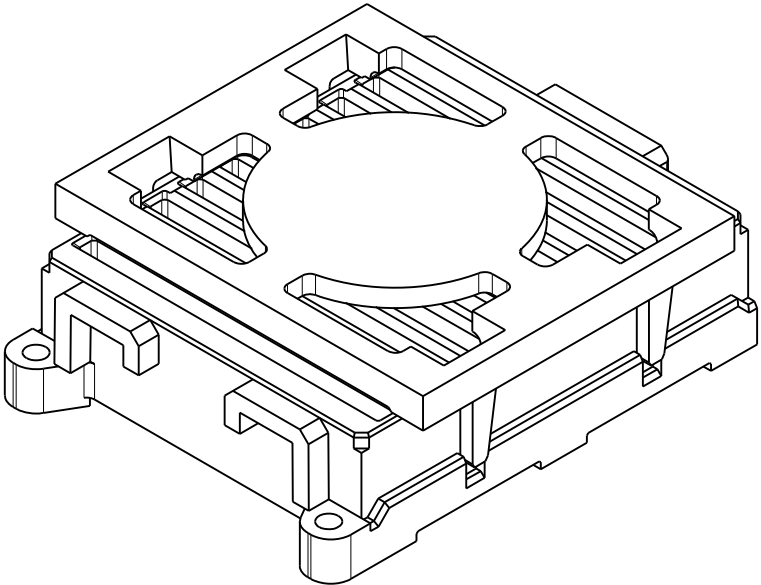
DRW NO. C-380-5181-500

SH 1

REV C

| TABLE 1       |                                                                                  |
|---------------|----------------------------------------------------------------------------------|
| PART NUMBER ① | DESCRIPTION                                                                      |
| 380-5181-X00  | RECEPTACLE ASSY, 6 PAIR, 7 MM HIGH (REDUCED WIPE), 10 WAFERS, 100 OHMS, NO LOSSY |
| 380-5281-X00  | RECEPTACLE ASSY, 6 PAIR, 7 MM HIGH (REDUCED WIPE), 10 WAFERS, 85 OHMS NO LOSSY   |

| ZONE                    | REV | SCR NUMBER         | DESCRIPTION                                                                           | BY        | DATE       | APPROVED   |
|-------------------------|-----|--------------------|---------------------------------------------------------------------------------------|-----------|------------|------------|
| ALL                     | A   | DMAN-8W TGT9.VER01 | NEW RELEASE                                                                           | D.MALOON  | 08/03/12   | D.McNAMARA |
| SHT1<br>SHT1<br>SHT3, 4 | B   | MCHH-9RUREZ.VER01  | ADDED NOTE 11,<br>ADDED "HOLES NOT NECESSARY" TO NOTE 4<br>ADDED MOUNTING HOLE TO PCB | HCL-AK    | 12/28/2014 | M.CHARETH  |
| SHT1-2                  | C   | MCHH-A9UKQH.VER01  | CORRECTED VACUUM CAP TO PLASTIC,<br>WAS FULL LENGTH METAL                             | M.CHARETH | 05/11/2016 | D.McNAMARA |



**ISOMETRIC VIEW**  
SCALE 6/1

NOTES:

① ASSEMBLY PART NUMBER VARIES WITH PLATING OPTION AS FOLLOWS:  
FOR NI SULFAMATE UNDERPLATE, 8TH DIGIT OF P/N IS 2.  
FOR NANO NI UNDERPLATE, 8TH DIGIT OF P/N IS 4.

2. MAT'L:  
HOUSING/WAFERS/VACUUM CAP - LCP.  
CONTACTS - HIGH PERFORMANCE COPPER ALLOY, PER MTS-506.

3. 0.71 DIA SOLDER SPHERES WILL NOT BE PERFECTLY SPHERICAL AFTER REFLOW ATTACHMENT.

④ HOLES RECOMMENDED FOR VISUAL INSPECTION OF CONNECTOR ALIGNMENT AFTER PLACEMENT AND BEFORE REFLOW, HOLES NOT NECESSARY.

⑤ SOLDER BALL PROTRUSION BELOW HOUSING.

⑥ SEE TECHNICAL BULLETIN TB-2241 FOR DETAILED SMT PROCESSING AND PCB FOOT PRINT RECOMMENDATIONS.

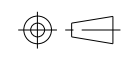
⑦ MAXIMUM CO-PLANARITY OF THE BALL FIELD.

⑧ MAXIMUM RADIAL TRUE POSITION OF ANY SOLDER BALL IN RELATION TO AN IDEAL BEST FIT GRID.

9. TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS SHOWN IN "()" OR BASIC DIMENSIONS SHOWN IN "□".

10. REFER TO FILE 380-5X81-XX0.STP FOR SIMPLIFIED 3D MODEL OF ASSEMBLY.

⑪ TOOLING HOLES USED FOR INTERNAL PROCESS ALIGNMENT AND NOT REQUIRED FOR SMT PROCESS ALIGNMENT. QUANTITY OF TOOLING HOLES IS OPTIONAL, AT MANUFACTURERS DISCRETION.



INTERPRET PER ASME Y14.5M

CODE IDENT 314.13

| TOLERANCES | DESIGN 02/23/12 D.MALOON |
|------------|--------------------------|
| 0.0        | ±0.25                    |
| 0.00       | ±0.13                    |
| 0.000      | ± -                      |
| ANGLES     | ± 3°                     |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD

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**RECEPTACLE ASSY, 10 WAFERS**  
InfinX 6 PAIR, 7 MM HIGH REDUCED WIPE

PART NO. SEE TABLE 1

DRAWING NO. C-380-5181-500

PART : Q1155-RECEP-ASSY-6X07X10-RW-VCP  
DRAWING : C-380-5181-500

SIZE D SCALE 5/1 SHEET 1 OF 4

REV N/A

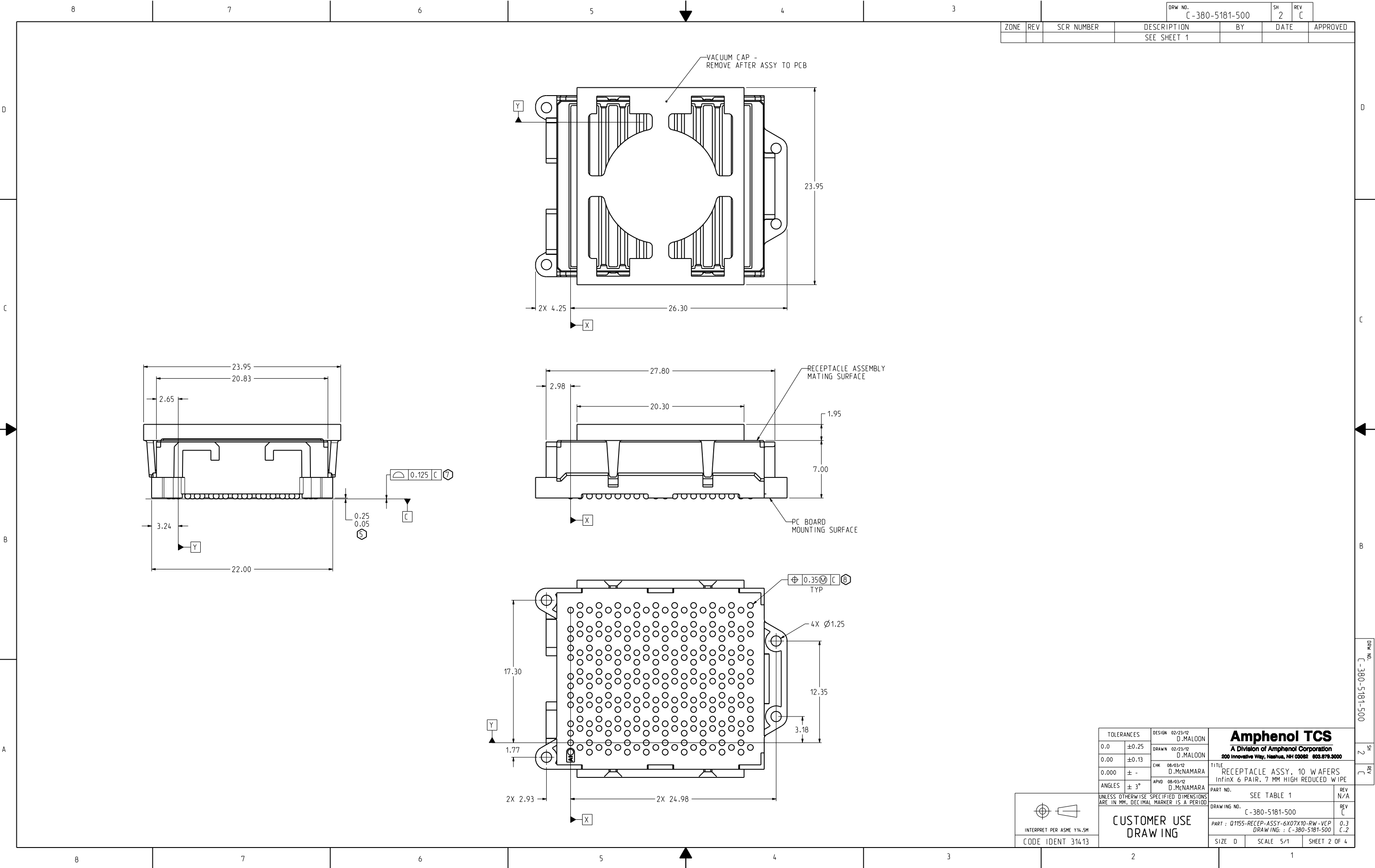
REV C

0.3 C.2

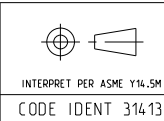
DRW NO. C-380-5181-500

SH 1

REV C



|      |     |                           |             |         |          |          |
|------|-----|---------------------------|-------------|---------|----------|----------|
|      |     | DRW NO.<br>C-380-5181-500 |             | SH<br>2 | REV<br>C |          |
| ZONE | REV | SCR NUMBER                | DESCRIPTION | BY      | DATE     | APPROVED |
|      |     |                           | SEE SHEET 1 |         |          |          |

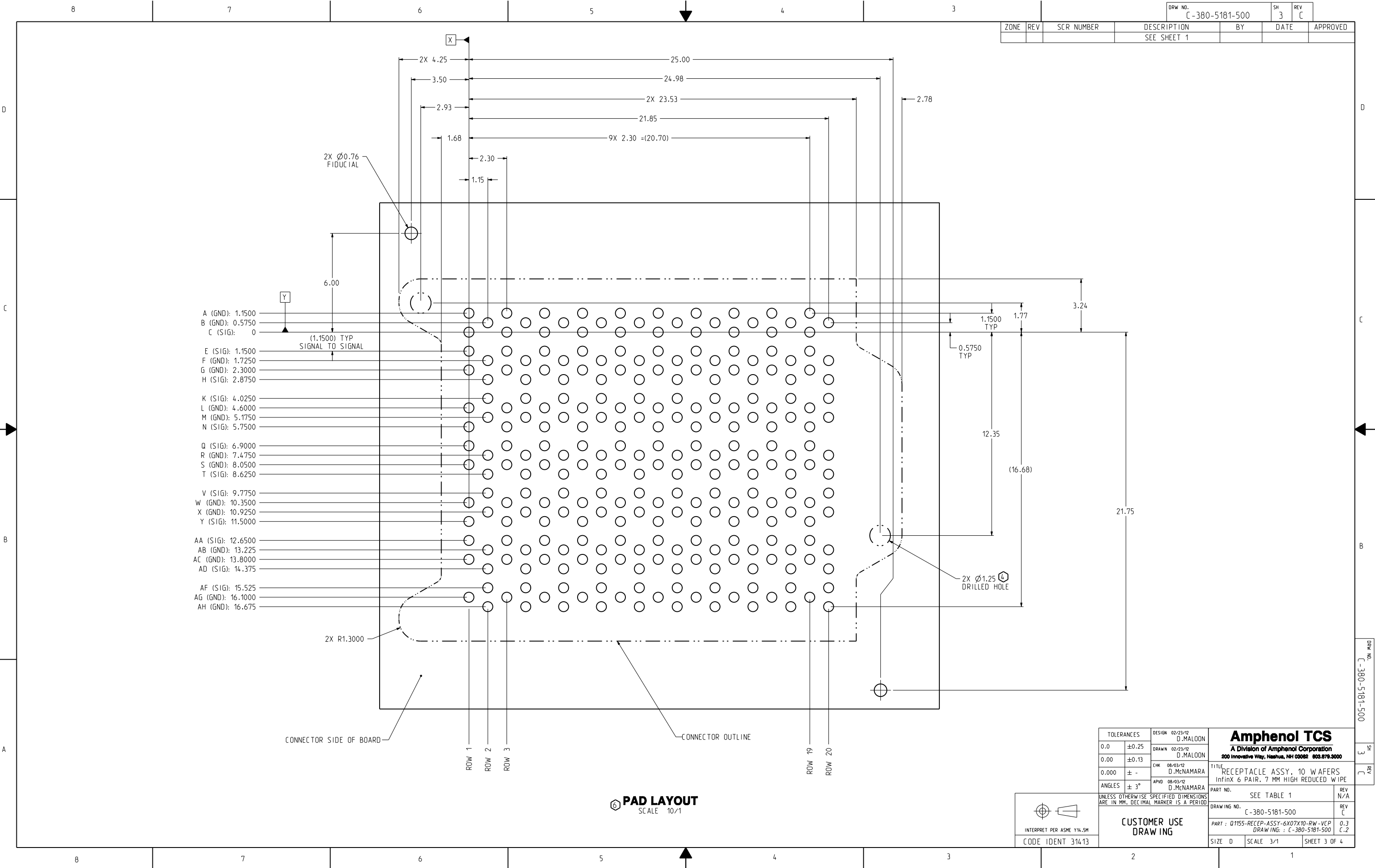


|                                                                             |       |                             |                                                                                                                |  |            |  |
|-----------------------------------------------------------------------------|-------|-----------------------------|----------------------------------------------------------------------------------------------------------------|--|------------|--|
| TOLERANCES                                                                  |       | DESIGN 02/23/12<br>D.MALOON | <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 603.878.3000 |  |            |  |
| 0.0                                                                         | ±0.25 | DRAWN 02/23/12<br>D.MALOON  | TITLE<br>RECEPTACLE ASSY. 10 WAFERS<br>InfinX 6 PAIR. 7 MM HIGH REDUCED WIPE                                   |  |            |  |
| 0.00                                                                        | ±0.13 | CHK 08/03/12<br>D.McNAMARA  | PART NO.<br>SEE TABLE 1                                                                                        |  | REV<br>N/A |  |
| 0.000                                                                       | ± -   | APVD 08/03/12<br>D.McNAMARA | DRAWING NO.<br>C-380-5181-500                                                                                  |  | REV<br>C   |  |
| ANGLES ± 3°                                                                 |       |                             | PART : Q1155-RECEP-ASSY-6X07X10-RW-VCP<br>DRAWING : C-380-5181-500                                             |  | 0.3<br>C.2 |  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD |       |                             | SIZE D                                                                                                         |  | SCALE 5/1  |  |
| CUSTOMER USE<br>DRAWING                                                     |       |                             | SHEET 2 OF 4                                                                                                   |  |            |  |

DRW NO.  
C-380-5181-500

SH  
2

REV  
C



|      |     |                           |             |         |          |          |
|------|-----|---------------------------|-------------|---------|----------|----------|
|      |     | DRW NO.<br>C-380-5181-500 |             | SH<br>3 | REV<br>C |          |
| ZONE | REV | SCR NUMBER                | DESCRIPTION | BY      | DATE     | APPROVED |
|      |     |                           | SEE SHEET 1 |         |          |          |

A (GND): 1.1500  
B (GND): 0.5750  
C (SIG): 0

E (SIG): 1.1500  
F (GND): 1.7250  
G (GND): 2.3000  
H (SIG): 2.8750

K (SIG): 4.0250  
L (GND): 4.6000  
M (GND): 5.1750  
N (SIG): 5.7500

Q (SIG): 6.9000  
R (GND): 7.4750  
S (GND): 8.0500  
T (SIG): 8.6250

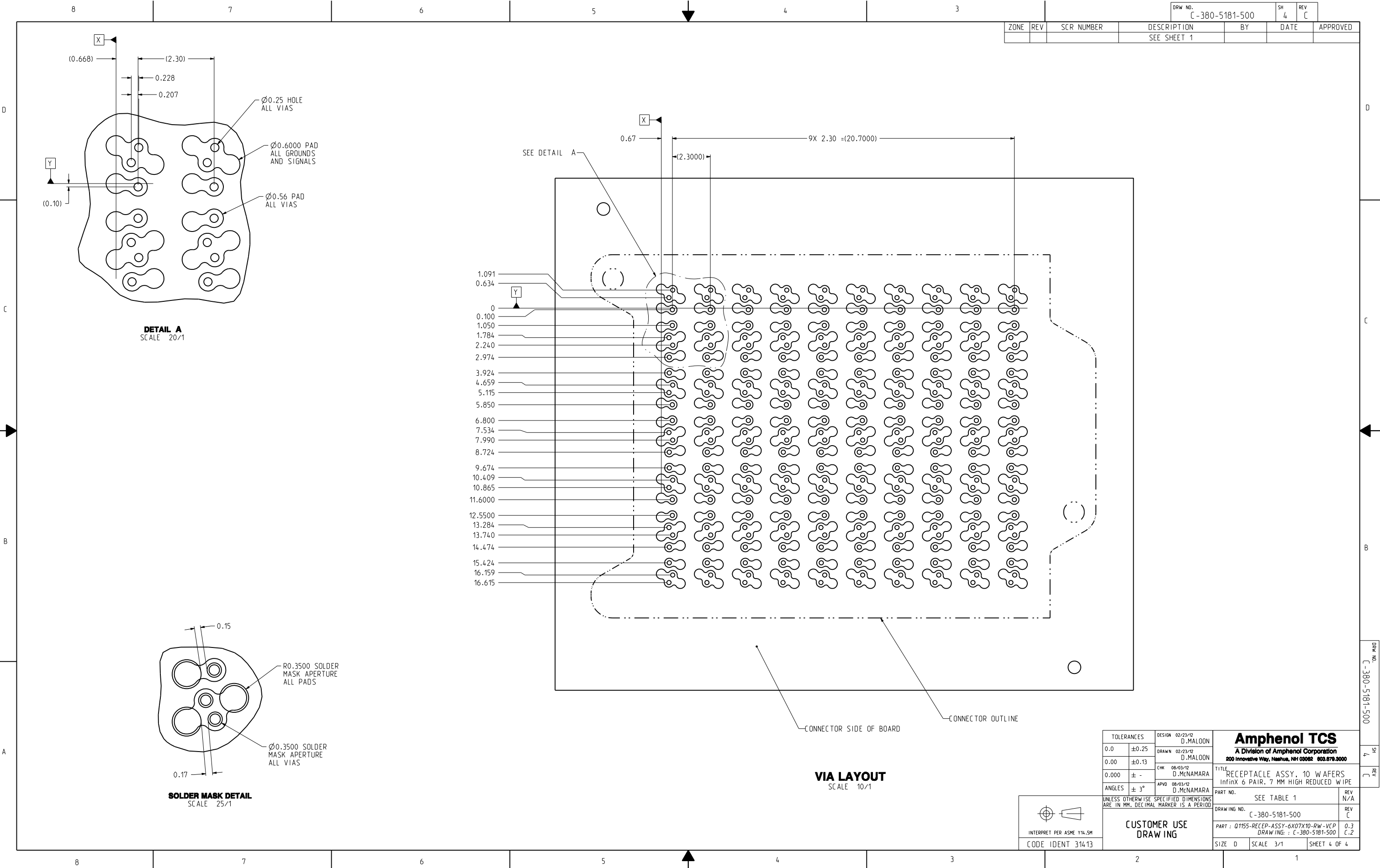
V (SIG): 9.7750  
W (GND): 10.3500  
X (GND): 10.9250  
Y (SIG): 11.5000

AA (SIG): 12.6500  
AB (GND): 13.225  
AC (GND): 13.8000  
AD (SIG): 14.375

AF (SIG): 15.525  
AG (GND): 16.1000  
AH (GND): 16.675

**PAD LAYOUT**  
SCALE 10/1

|                         |           |                                                                             |                                                                                                                |         |            |
|-------------------------|-----------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------|------------|
| TOLERANCES              |           | DESIGN 02/23/12<br>D.MALOON                                                 | <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 603.878.3000 |         |            |
| 0.0                     | ±0.25     | DRAWN 02/23/12<br>D.MALOON                                                  | TITLE RECEPTACLE ASSY. 10 WAFERS<br>InfinX 6 PAIR. 7 MM HIGH REDUCED WIPE                                      |         |            |
| 0.00                    | ±0.13     | CHK 08/03/12<br>D.McNAMARA                                                  | PART NO. SEE TABLE 1                                                                                           |         |            |
| 0.000                   | ± -       | APVD 08/03/12<br>D.McNAMARA                                                 | DRAWING NO. C-380-5181-500                                                                                     |         |            |
| ANGLES                  | ± 3°      | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD |                                                                                                                | REV N/A |            |
| CUSTOMER USE<br>DRAWING |           |                                                                             | PART : 01155-RECEP-ASSY-6X07X10-RW-VCP<br>DRAWING : C-380-5181-500                                             | REV C   | 0.3<br>C.2 |
| SIZE D                  | SCALE 3/1 | SHEET 3 OF 4                                                                |                                                                                                                |         |            |



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