

8

7

6

5

4

3

DRW NO.
C-380-5391-500

SH
1

REV
B

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL	A	DMAN-8W TLCB.VER01	NEW RELEASE	D.MALOON	08/03/12	D.McNAMARA
SHT 1 SHT 3 SHT 4	B	MCHH-9UPNUP.VER01	ADDED NOTE 11, ADDED HOLES NOT NECESSARY TO NOTE 4. REMOVED A DRILLED HOLE FROM PAD AND VIA LAYOUTS	M.CHARETH	03/17/15	D.McNAMARA

TABLE 1

PART NUMBER ①	DESCRIPTION
380-5391-X00	RECEPTACLE ASSY, 6 PAIR, 20 MM HIGH, 10 WAFERS, 100 OHMS, W/LOSSY
380-5491-X00	RECEPTACLE ASSY, 6 PAIR, 20 MM HIGH, 10 WAFERS, 85 OHMS, W/LOSSY
380-5591-X00	RECEPTACLE ASSY, 6 PAIR, 20 MM HIGH, 10 WAFERS, 100 OHMS, NO LOSSY
380-5691-X00	RECEPTACLE ASSY, 6 PAIR, 20 MM HIGH, 10 WAFERS, 85 OHMS, NO LOSSY

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 "Ø" OR BASIC DIMENSIONS SHOWN IN "□".

10. REFER TO FILE 380-5X91-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.

DESIGN 03/04/11
D.MALOON

DRAWN 07/11/11
D.MALOON

CHK 08/03/12
D.McNAMARA

APVD 08/03/12
D.McNAMARA

TOLERANCES

0.0 ±0.25

0.00 ±0.13

0.000 ± -

ANGLES ± 3°

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

INTERPRET PER ASME Y14.5M

CODE IDENT 314.13

CUSTOMER USE

DRAWING

PART NO.

SEE TABLE 1

DRAWING NO.

C-380-5391-500

Pro/E Type: 01155-RECEP-ASSY-6X20X10-VCP

0.0

Pro/E DRAWING: C-380-5391-500

A.6

SIZE D

SCALE 5/1

SHEET 1 OF 4

REV N/A

REV B

A.6

Amphenol TCS

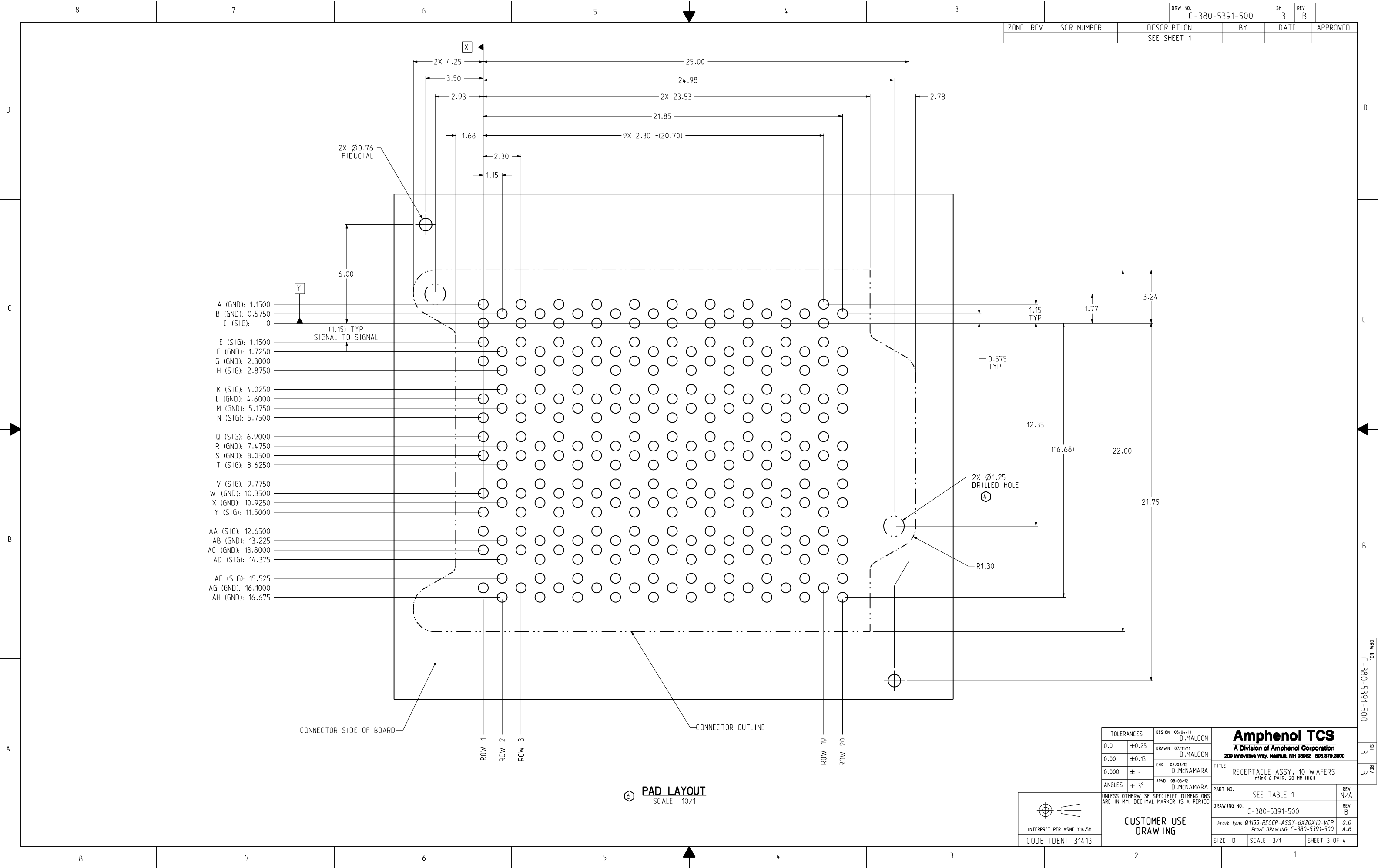
A Division of Amphenol Corporation

200 Innovative Way, Nashua, NH 03062 603.879.3000

DRW NO.
C-380-5391-500

SH
1

REV
B

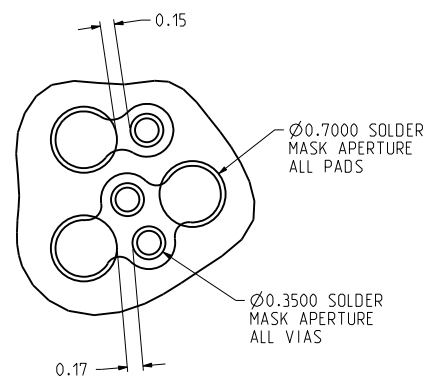
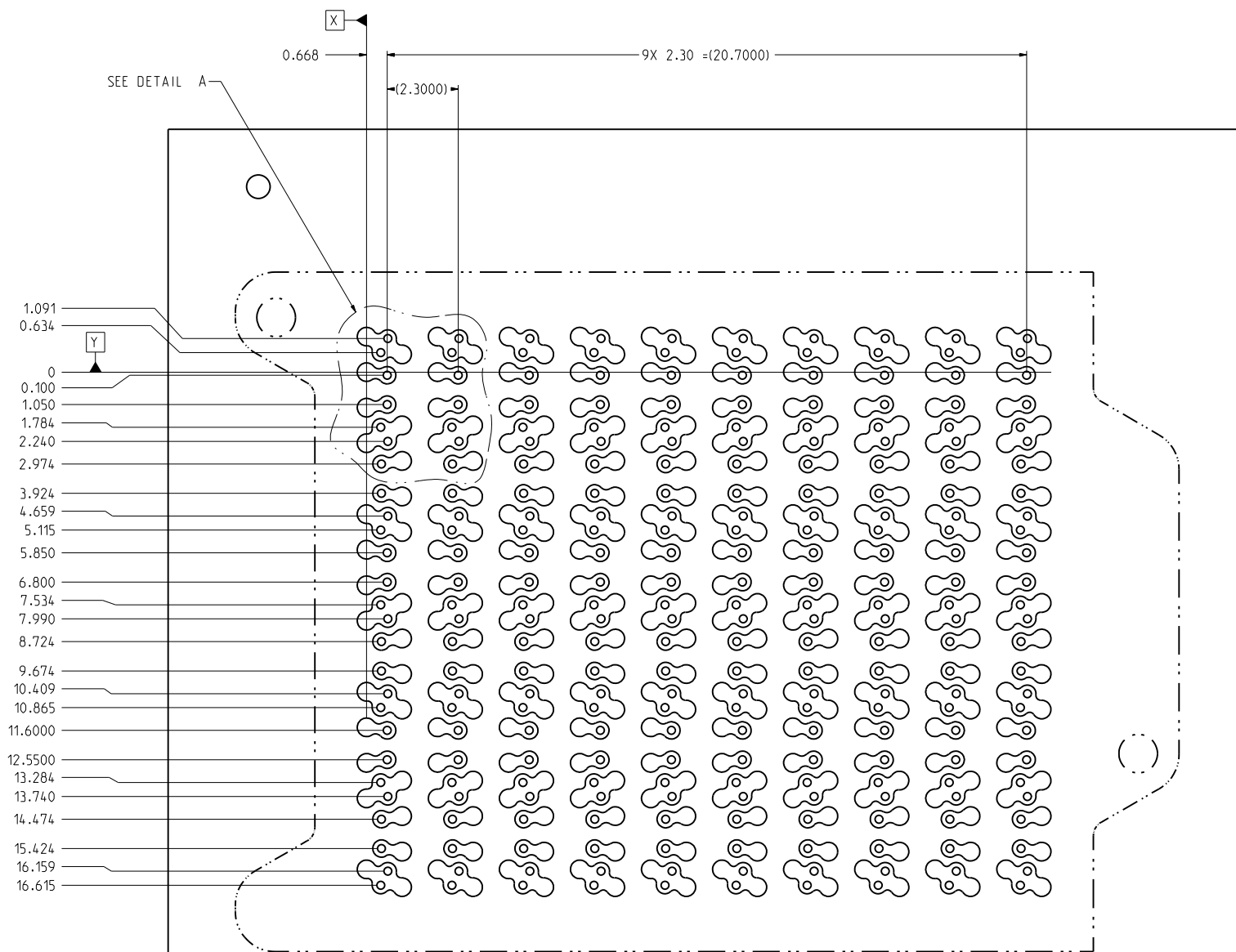
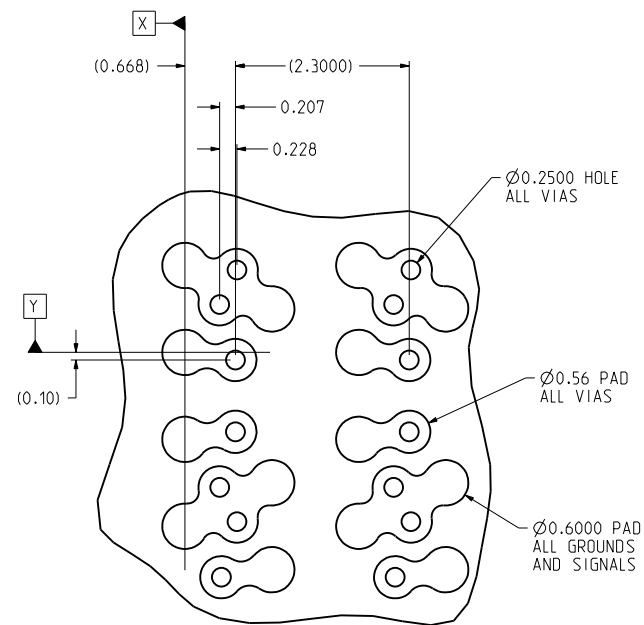


- A (GND): 1.1500
- B (GND): 0.5750
- C (SIG): 0
- E (SIG): 1.1500
- F (GND): 1.7250
- G (GND): 2.3000
- H (SIG): 2.8750
- K (SIG): 4.0250
- L (GND): 4.6000
- M (GND): 5.1750
- N (SIG): 5.7500
- Q (SIG): 6.9000
- R (GND): 7.4750
- S (GND): 8.0500
- T (SIG): 8.6250
- V (SIG): 9.7750
- W (GND): 10.3500
- 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

TOLERANCES		DESIGN 03/04/11 D.MALOON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000		SH 3
0.0	±0.25	DRAWN 07/11/11 D.MALOON			
0.00	±0.13	CHK 08/03/12 D.McNAMARA			
0.000	± -	APVD 08/03/12 D.McNAMARA			
ANGLES		± 3°	TITLE RECEPTACLE ASSY, 10 WAFERS Infinitix 6 PAIR, 20 MM HIGH		REV B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD			PART NO. SEE TABLE 1		
CUSTOMER USE DRAWING			DRAWING NO. C-380-5391-500		
			Pro/E Type: 01155-RECEP-ASSY-6X20X10-VCP Pro/E DRAWING: C-380-5391-500		
			SIZE D	SCALE 3/1	SHEET 3 OF 4

DRW NO. C-380-5391-500	SH 4	REV B
---------------------------	---------	----------

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



VIA LAYOUT
SCALE 10/1

TOLERANCES		DESIGN 03/04/11 D. MALOON		Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.0	±0.25	DRAWN 07/11/11 D. MALOON			
0.00	±0.13	CHK 08/03/12 D. McNAMARA			
0.000	± -	APVD 08/03/12 D. McNAMARA			
ANGLES	± 3°			TITLE RECEPTACLE ASSY. 10 WAFERS Infinix 6 PAIR, 20 MM HIGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD				PART NO. SEE TABLE 1 REV N/A	
CUSTOMER USE DRAWING				DRAWING NO. C-380-5391-500 REV B	
				Proj# Type: 01155-RECEP-ASSY-6X20X10-VCP Proj# DRAWING: C-380-5391-500	
				SIZE D SCALE 3/1 SHEET 4 OF 4	

INTERPRET PER ASME Y14.5M

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[380-5391-200](#)