

8

7

6

5

4

3

DRW NO.
C-972-401E-500

SH
1

REV
J

ZONE

REV

ECN NUMBER

DESCRIPTION

BY

DATE

APPROVED

G

BW AG-18101704

UPDATED NOTE 1.
ADDED NOTE 11 & 12.
REVISED BASE THICKNESS TOLERANCE 0.10 WAS 0.13.
ADDED SURFACE GROUND PLANE.

HCL-UD

10/29/2018

B.W ANG

SHT1, C3

H

HHUG-20010801

ADDED PLATING OPTION "P" TO P/N TREE

HCL-SG

01/23/2020

H.HUANG

SHT9

J

HHUG-20090906

ADDED SE MODULE PCB DETAILS.

HCL-SH

10/06/2020

H.HUANG

NOTE: ONLY THREE MOST RECENT RELEASED REVISIONS DISPLAYED.

LETTER

PLATING

D

NI SULFAMATE, STANDARD GOLD, LEADFREE

E

NI SULFAMATE, HIGH GOLD, LEADFREE

H

NANO NI, STANDARD GOLD, LEADFREE

J

NANO NI, HIGH GOLD, LEADFREE

P

Pd-NI, STANDARD GOLD, LEADFREE

NUMBER

SIGNAL & GROUND WIPE LENGTH, COMPLIANT PIN SIZE

G

2 mm WIPE SIGNAL, 3 mm WIPE GND, Ø.0157" DRILL

J

2 mm WIPE SIGNAL, 2 mm WIPE GND, Ø.0157" DRILL

NUMBER

WALL THICKNESS / SHIELD OPTION

1

THICK WALL, W/ EXTRA GROUND

9 7 2 - 4 X 1 E - X 0 X

4 PAIR

8-POSITION

XCede HD2 BACKPLANE MODULE MALE STANDARD LOAD

LEFT POLARIZING GUIDANCE
(SEE SHEETS 6)

RIGHT POLARIZING GUIDANCE
(SEE SHEETS 7)

OPEN
(SEE SHEET 2)

LEFT WALL
(SEE SHEET 3)

RIGHT WALL
(SEE SHEET 4)

TWO WALL
(SEE SHEET 5)

LETTER

J

A

B

C

D

E

F

G

H

NO KEY

NO KEY

O (ZERO)

L

M

1

ISOMETRIC VIEW

SEE SHEET 2

SEE SHEET 3

SEE SHEET 4

SEE SHEET 5

SEE SHEET 6

SEE SHEET 7

NOTES:

1. REFER TO TB-2343 FOR XCede HD2 PRODUCT SPECIFICATIONS.

2. NOTCH DESIGNATES "ROW A" SIDE OF SHROUD. NOTCH FEATURE ON OPPOSITE SIDE FROM PART MARKING.

3. SEE TB-2325 FOR PART MARKING REQUIREMENTS.

4. PLATING THICKNESS OF SIGNAL CONTACT AND GROUND CONTACT IS DETERMINED BY PLATING CODE.

5. REPAIR PROCEDURE FOR MODULE, SEE TB-2245.

6. SEE TB-2237 (XCede HD2 ROUTING GUIDELINES) FOR BOARD SPECIFIC DETAILS ON ROUTING, PLATING THICKNESS, SECONDARY DIAMETERS, PAD, ANTIPAD LOCATIONS, BACK DRILLING AND SHADOW VIAS.

7. SEE DOC C-190-0009-000 FOR TOOLING KEEPOUT ZONES.

8. BACKPLANE DATUM REFERENCE.

9. OPTIONAL HOLE/MOUNTING SCREW LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE PIN SUPPORT SEE DRAWING C-914-4010-000 FOR OPTIONS HOLE DETAILS.

10. SHADOW VIAS (GND VIA'S) DO NOT RECEIVE COMPLIANT PINS. THEY ARE ADDED FOR IMPROVED SIGNAL INTEGRITY PERFORMANCE AND CAN CHANGE IN SIZE AND LOCATION BASED UPON THE SPECIFIC DESIGN DETAILS. ONLY APPLIES FOR MACHINED GUIDE PIN APPLICATIONS.

11. SURFACE GROUND PLANE EQUAL TO COMPONENT OUTLINE REQUIRED, SURFACE GROUND PLANE TO BE FREE FROM SOLDEMASK.

12. ALL PLASTIC MATERIAL IS UL 94V-0 FLAMMABLE.

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

TOLERANCES

DESIGN 03/14/2016
M.HANRAHAN

0.0 ±0.25

DRAWN 03/14/2016
HCL-MR

0.00 ±0.13

CHK 03/14/2016
M.HANRAHAN

0.000 ± -

APVD 03/14/2016
M.HANRAHAN

ANGLES ± 3°

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

Amphenol TCS

A Division of Amphenol Corporation

200 Innovative Way, Nashua, NH 03062 603.879.3000

TITLE
BACKPLANE MODULES, VERTICAL MALE HEADER
XCede HD2, 4 PAIR 8 POS, THICK WALL W/EXTRA GND

PART NO.
SEE P/N TREE SHEET 1

REV
N/A

DRAWING NO.
C-972-401E-500

REV
J

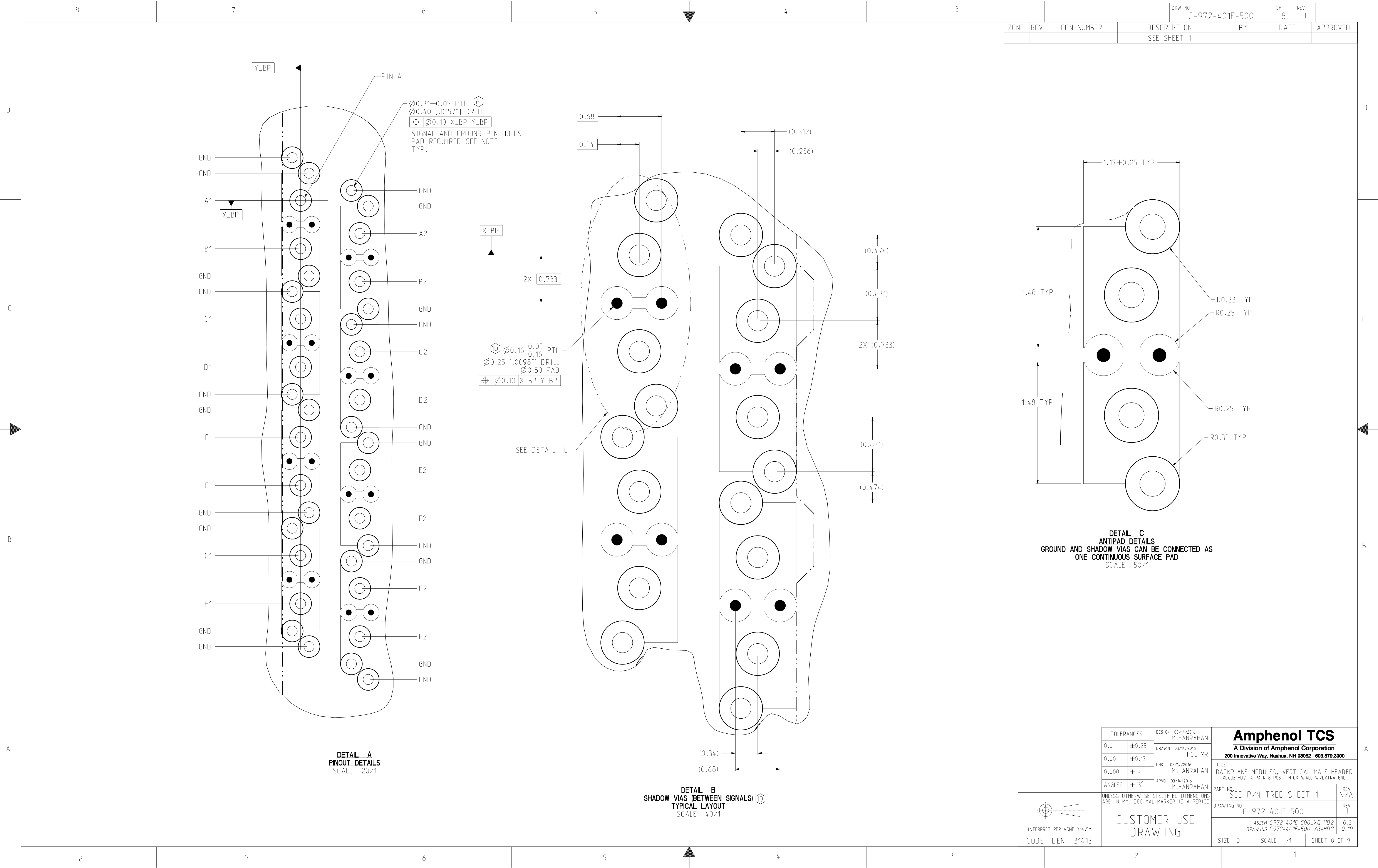
ASSEM C972-401E-500_XG-HD2 0.3

DRAWING C972-401E-500_XG-HD2 0.19

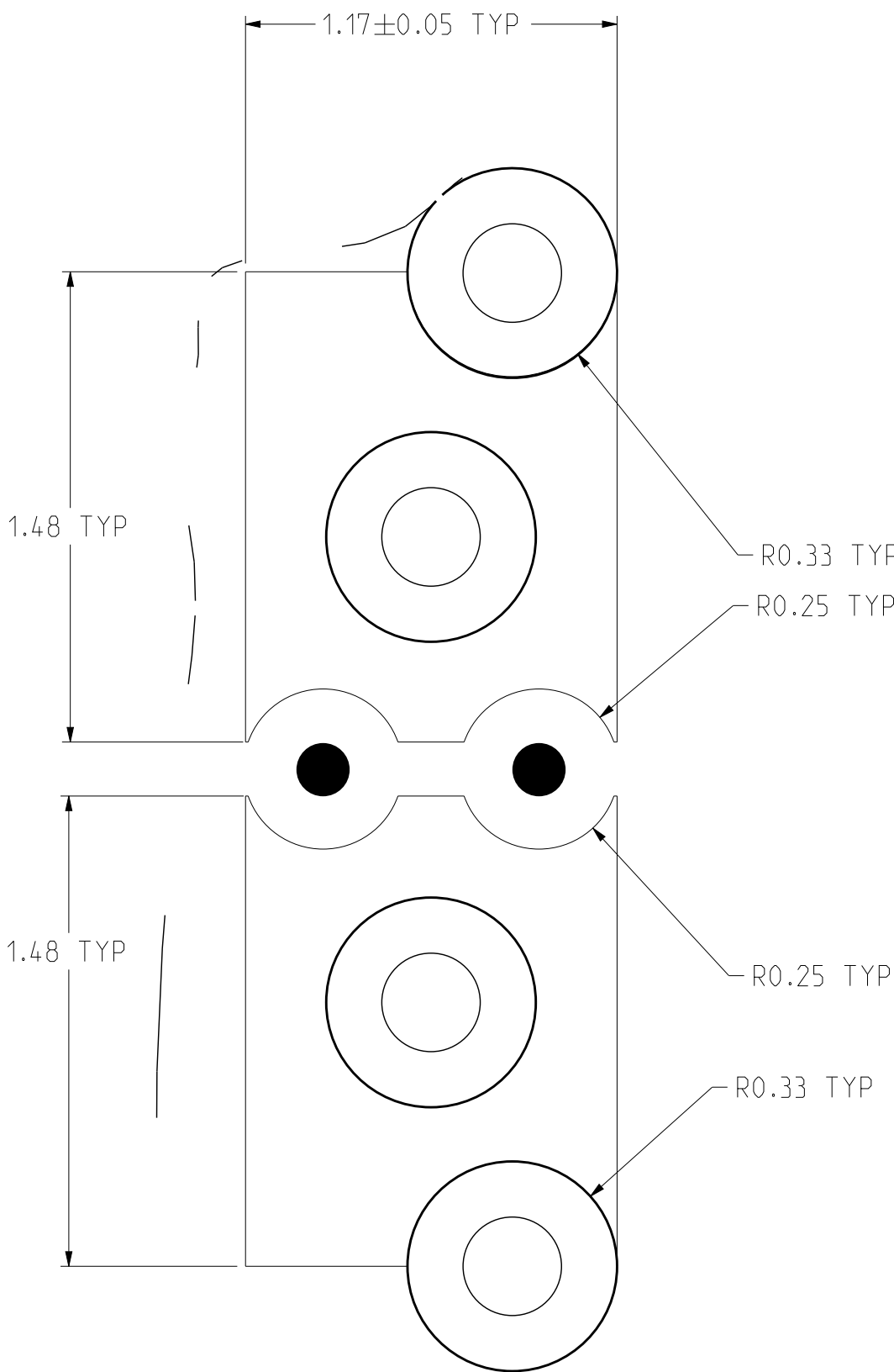
SIZE D

SCALE 1/1

SHEET 1 OF 9



		DRAW NO. C-972-401E-500		SH 8		REV J	
ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED	
			SEE SHEET 1				



1.17±0.05 TYP

1.48 TYP

R0.33 TYP

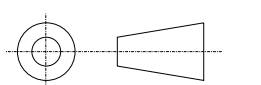
R0.25 TYP

R0.25 TYP

R0.33 TYP

1.48 TYP

DETAIL C
ANTIPAD DETAILS
GROUND AND SHADOW VIAS CAN BE CONNECTED AS
ONE CONTINUOUS SURFACE PAD
SCALE 50/1

TOLERANCES		DESIGN 03/14/2016 M.HANRAHAN	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000		
0.0	±0.25	DRAWN 03/14/2016 HCL-MR			
0.00	±0.13	CHK 03/14/2016 M.HANRAHAN			
0.000	± -	APVD 03/14/2016 M.HANRAHAN			
ANGLES	± 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD			
 INTERPRET PER ASME Y14.5M CODE IDENT 31413		CUSTOMER USE DRAWING		PART NO. SEE P/N TREE SHEET 1	REV N/A
				DRAWING NO. C-972-401E-500	REV J
				ASSEM C972-401E-500_XG-HD2 DRAWING C972-401E-500_XG-HD2	0.3 0.19
		SIZE D		SCALE 1/1	SHEET 8 OF 9

2

1

