

AMPHENOL PART NUMBER CONFIGURATION

U90 - A 1 X 1 - 1 X 0 X

HEAT SINK OPTION

- 0 = NO HEAT SINK OR CLIP SHIPPED, CLOSE TOP  
1 = NO HEAT SINK OR CLIP SHIPPED, OPEN TOP  
2 = STANDARD HEAT SINK (HARD COAT ANODIZED) AND CLIP (H=6.5mm; SAN HEIGHT)  
3 = STANDARD HEAT SINK (HARD COAT ANODIZED) AND CLIP (H=4.2mm; PCI HEIGHT)  
4 = STANDARD HEAT SINK (HARD COAT ANODIZED) AND CLIP (H=13.5mm; TALL)  
A = STANDARD HEAT SINK (NICKEL PLATED) AND CLIP (H=6.5mm; SAN HEIGHT)  
B = STANDARD HEAT SINK (NICKEL PLATED) AND CLIP (H=4.2mm; PCI HEIGHT)  
C = STANDARD HEAT SINK (NICKEL PLATED) AND CLIP (H=13.5mm; TALL)

NOTE: FOR PIN STYLE HEAT SINKS REFER TO DRAWING NUMBER: P-U90-H1X1-1XXX

PACKAGING

- 1 = TRAY PACKAGING W/ HEAT SINK IN SEPARATE TRAY  
A = TRAY PACKAGING W/ HEAT SINK ASSEMBLED  
T = TAPE AND REEL PACKAGING W/ HEAT SINK IN SEPARATE TRAY

OPTIONAL DUST COVER

- 0 = WITHOUT DUST COVER  
D = WITH DUST COVER (SHIPPED LOOSE PIECE)

REVISIONS

| REV. | ECN | DESCRIPTION                                       | DATE      | APPROVED |
|------|-----|---------------------------------------------------|-----------|----------|
| F    |     | NOTE ADDED "FOR PIN STYLE REFER TO U90-H1X1-1XXX" | JAN 12/09 | ZLJ      |
| G    |     | REAR STOP MODIFIED                                | SEP 18/09 | ZLJ      |
| H    |     | ADD PIN LENGTH DIMENSION 2.50                     | APR 10/13 | ZLJ      |
| J    |     | NEW PART NUMBER U90-A101-1001 ADDED               | OCT 06/13 | ZLJ      |

OPTIONAL HEAT SINK  
P/N U90-1101-A0XX  
(SHIPPED WITH CLIP)

OPTIONAL DUST COVER  
P/N U79-111-9000-P  
(SHIPPED LOOSE)

VIEW WITH STANDARD HEAT SINK AND CLIP ASSEMBLED  
AND OPTIONAL DUST COVER (SHIPPED LOOSE)  
(P/N U90-A121-1D0A)

VIEW WITHOUT HEAT SINK AND CLIP, CLOSE TOP  
(P/N U90-A101-100X)

VIEW WITHOUT HEAT SINK AND CLIP, OPEN TOP  
(P/N U90-A111-100X)

NOTES:

- CAGE AND EMI SPRINGS MATERIAL: COPPER ALLOY  
HEAT SINK CLIP MATERIAL: STEEL ALLOY  
HEAT SINK MATERIAL: ALUMINUM  
CAGE PLATING: 3.81µm [100µ"] MIN. NICKEL.
- CAGE IS INTENDED TO BE COMPLIANT WITH THE QUAD SMALL FORM-FACTOR PLUGGABLE (QSFP) TRANSCEIVER SPECIFICATION REVISION 1.0.
- HEAT SINK, HEAT SINK CLIP AND DUST COVER ARE SHIPPED LOOSE PIECE.

| PART NUMBER   | DIM "J" | DIM "H" | HEAT SINK & CLIP OPTION                                                |
|---------------|---------|---------|------------------------------------------------------------------------|
| U90-A121-1X0X | 15.03   | 6.50    | IF HEAT SINK AND CLIP ARE SHIPPED LOOSE SEE DRAWING P-U90-1101-AXX0-BP |
| U90-A131-1X0X | 12.73   | 4.20    |                                                                        |
| U90-A141-1X0X | 22.03   | 13.50   |                                                                        |
| U90-A1A1-1X0X | 15.03   | 6.50    |                                                                        |
| U90-A1B1-1X0X | 12.73   | 4.20    |                                                                        |
| U90-A1C1-1X0X | 22.03   | 13.50   |                                                                        |

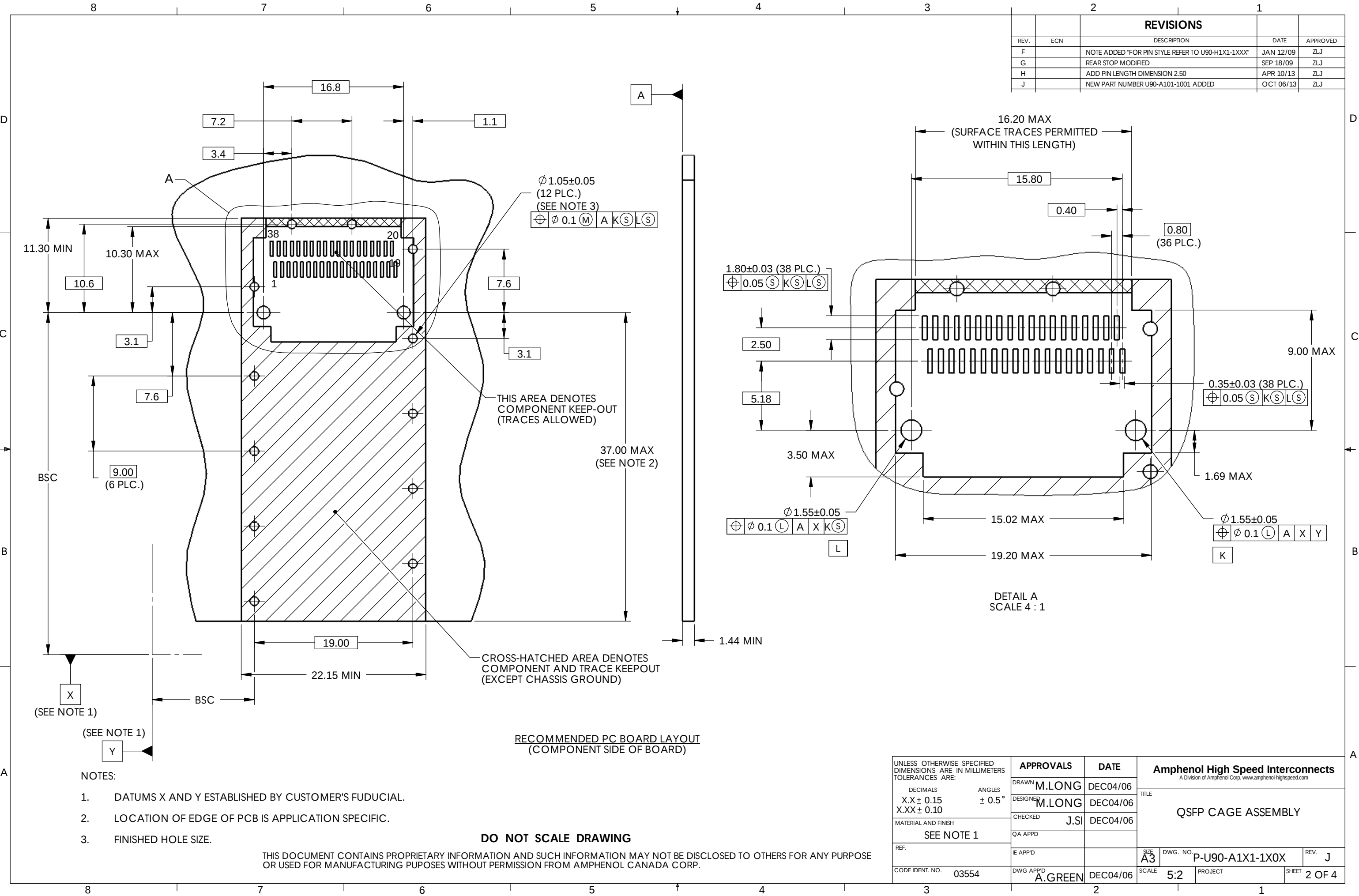
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:<br><br>DECIMALS X.X ± 0.15<br>X.XX ± 0.10<br><br>ANGLES ± 0.5°<br><br>MATERIAL AND FINISH<br>SEE NOTE 1<br><br>REF.<br><br>CODE IDENT. NO. 03554 |  | APPROVALS<br>DRAWN M.LONG<br>DESIGNED M.LONG<br>CHECKED J.SI<br>QA APPD<br><br>IE APPD<br><br>DWG APPD A.GREEN | DATE<br>DEC04/06<br>DEC04/06<br>DEC04/06<br><br><br>DEC04/06 | Amphenol High Speed Interconnects<br>A Division of Amphenol Corp. www.amphenol-highspeed.com<br><br>TITLE<br>QSFP CAGE ASSEMBLY<br><br>SIZE A3<br>SCALE 2:1<br>DWG. NO. P-U90-A1X1-1X0X<br>PROJECT<br>REV. J<br>SHEET 1 OF 4 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

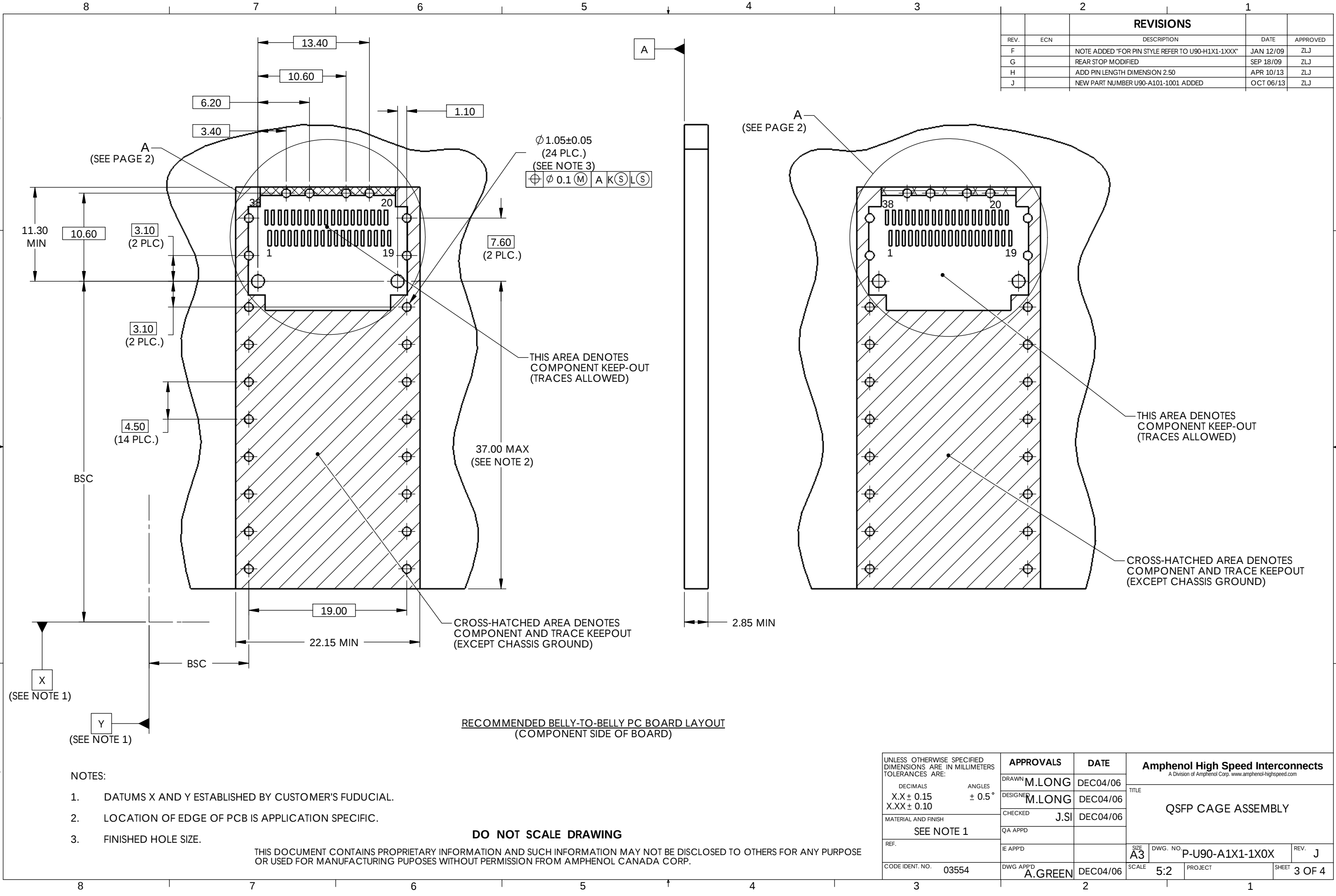


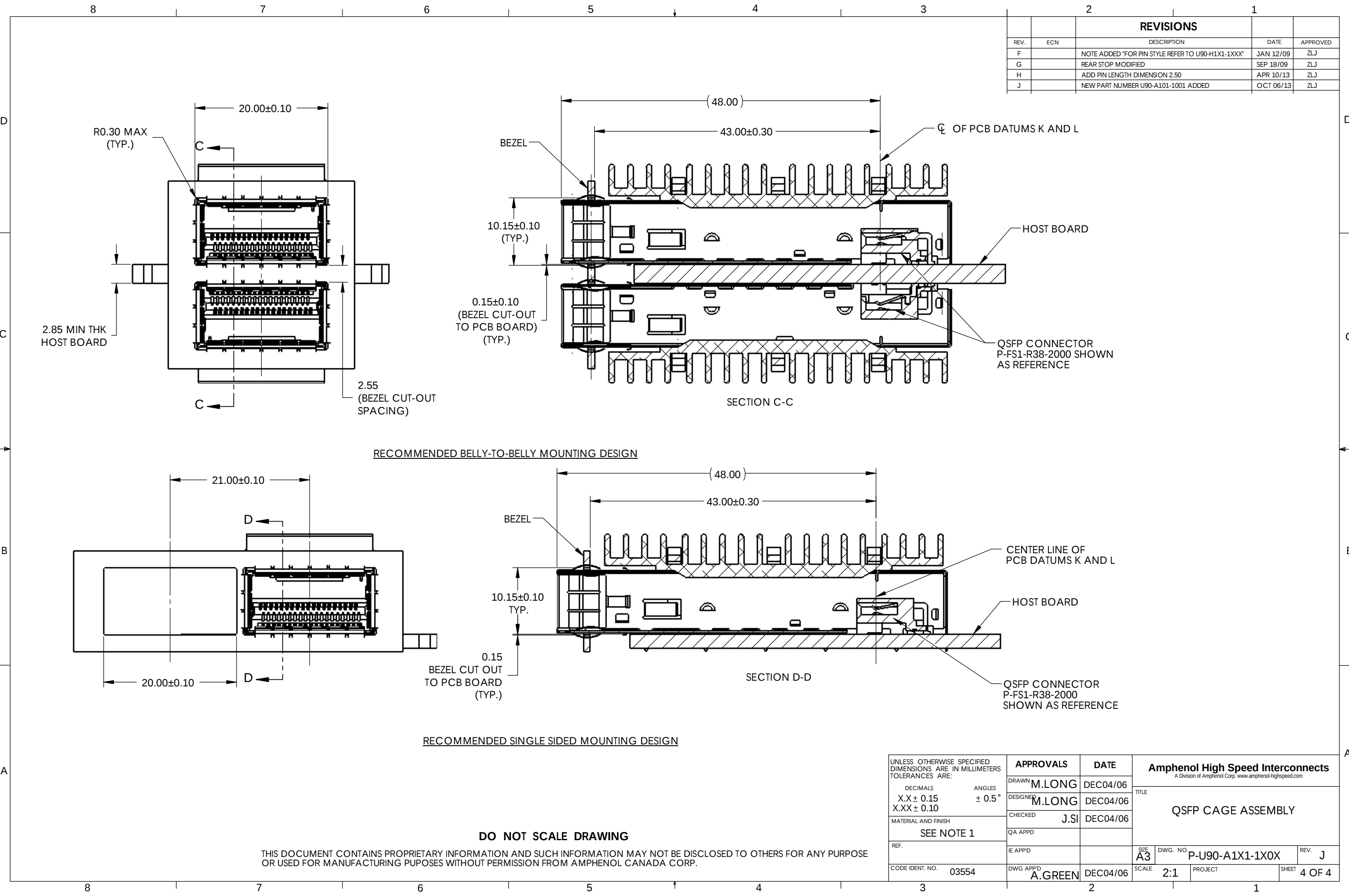
VIEW OF HEAT SINK

DO NOT SCALE DRAWING

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| REVISIONS |     |                                                   |           |          |
|-----------|-----|---------------------------------------------------|-----------|----------|
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|                                                                                                                                                                               |  |                     |          |                                                                                                             |                             |
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|                                                                                                                                                                               |  | DRAWN M.LONG        | DEC04/06 |                                                                                                             |                             |
|                                                                                                                                                                               |  | DESIGNED M.LONG     | DEC04/06 | TITLE<br><br>QSFP CAGE ASSEMBLY                                                                             |                             |
|                                                                                                                                                                               |  | CHECKED J.SI        | DEC04/06 |                                                                                                             |                             |
| MATERIAL AND FINISH<br>SEE NOTE 1                                                                                                                                             |  | QA APPD             |          |                                                                                                             |                             |
| REF.                                                                                                                                                                          |  | IE APPD             |          | SIZE<br>A3                                                                                                  | DWG. NO.<br>P-U90-A1X1-1X0X |
| CODE IDENT. NO. 03554                                                                                                                                                         |  | DWG APPD<br>A.GREEN | DEC04/06 | SCALE<br>2:1                                                                                                | PROJECT                     |
|                                                                                                                                                                               |  |                     |          | SHEET<br>4 OF 4                                                                                             | REV.<br>J                   |

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