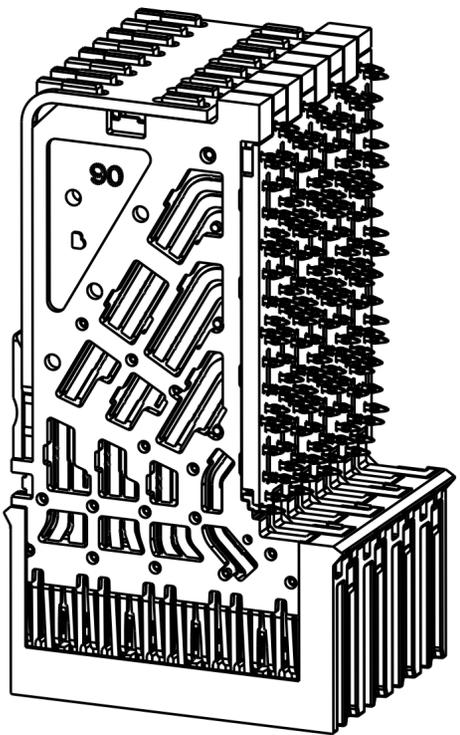
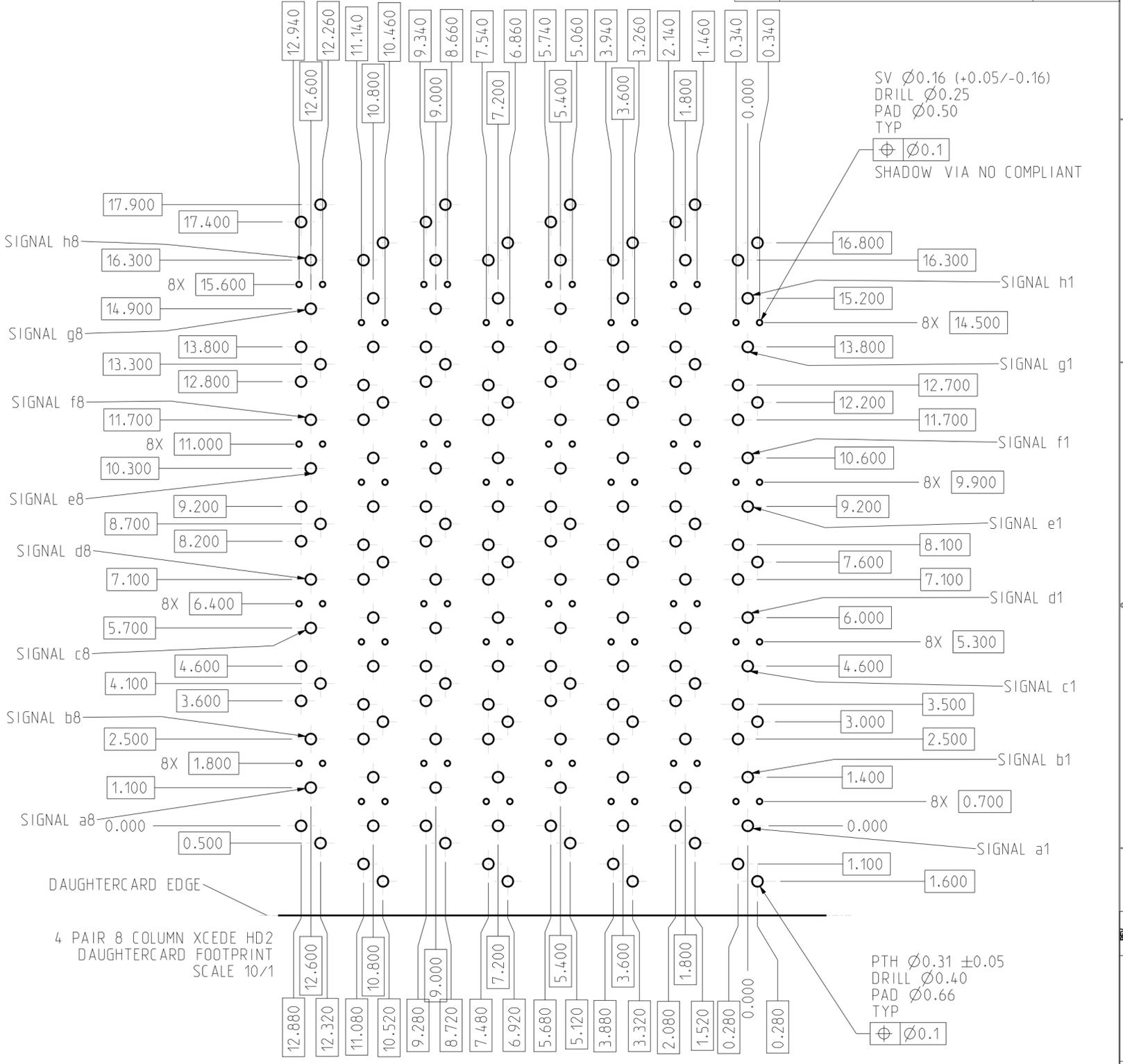


| REVISIONS |                 |           |
|-----------|-----------------|-----------|
| LTR       | DESCRIPTION     | DATE      |
| A         | INITIAL RELEASE | 7/13/2022 |

| PART NUMBER | GOLD IN CONTACT AREA | COMPLIANT         | NICKEL OVERALL | NICKEL IN CONTACT AREA |
|-------------|----------------------|-------------------|----------------|------------------------|
| MHD24P800M1 | 50 μ-INCH MIN        | 5 μ-INCH MIN GOLD | 50 μ-INCH MIN  | 80 μ-INCH MIN          |



ISOMETRIC VIEW  
COMPLIANT GUIDE FULLY SEATED  
SCALE 4/1



- NOTES:**
- HOUSING: GLASS FILLED LCP, UL94 - V0  
CONTACT: Cu ALLOY  
STIFFENER: STAINLESS STEEL, PASSIVATED
  - PTH CALLOUT  
TYPICAL HOLE  
Ø0.38-.43 DRILL  
Ø0.31 ±.05 FINISH HOLE  
Ø0.66 PAD
  - SEE TABLE 1 FOR PART NUMBER AND FINISHES
  - FOR WAFER PITCH USE 1.80mm NOMINAL FOR DAUGHTERCARD LAYOUT.
  - NOMINAL DIMENSIONS ARE FOR FULLY SEATED CONNECTORS
  - SHADOW VIAS 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.
  - SURFACE GROUND PLANE EQUAL TO COMPONENT OUTLINE REQUIRED. SURFACE GROUND PLANE TO BE FREE FROM SOLDER MASK.

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**METRIC DOCUMENT**

| PRO/ENGINEER INFORMATION             |                                       |
|--------------------------------------|---------------------------------------|
| Next Assembly                        | Pro/E Model Used:<br>MHD24P800XX.PART |
| Next Assembly                        | Drawing Name:<br>MHD24P800XX          |
| ENG PDM INFORMATION (REFERENCE ONLY) | REVISION<br>A<br>VERSION<br>2         |

|  |   |
|--|---|
| UNLESS OTHERWISE SPECIFIED<br>LINEAR DIMENSIONS ARE IN:<br><b>MILLIMETERS</b><br>TOLERANCES:<br>ANGLES= ±2°<br>NO DEFAULT LINEAR TOLERANCES<br>DIM. & TOL. PER ASME Y14.5M-1994;<br>DRM PER MIL-DTL-31000;<br>OTHER AMPHENOL STANDARDS: 9-3800 | SPECIFICATIONS<br>MATERIAL SPEC.<br>NONE<br>PROCESS SPEC.<br>NONE |
|--|---|

| POS                     | QTY          | PART NUMBER | DESCRIPTION   | NOTE |
|-------------------------|--------------|-------------|---|------|
| PARTS LIST              |              |             |   |      |
| APPROVALS               |              | DATE        | AMPHENOL CORPORATION<br>40-60 DELAWARE AVENUE<br>SIDNEY, N.Y. 13838 |      |
| PREPARED BY:            | S. LANGELIER | 13-Jul-22   | DAUGHTERCARD 4 PAIR 8 COLUMN<br>MHD2                                |      |
| ENGINEER IN CHARGE:     | S. LANGELIER |             |   |      |
| DESIGN MANAGER:         | G. PECK      |             |   |      |
| DESIGN ACTIVITIES GROUP |              | BOARD LEVEL |   |      |
| THIRD ANGLE PROJECTION  |              |             |   |      |

|                   |                           |                                    |                  |
|-------------------|---------------------------|------------------------------------|------------------|
| SIZE<br><b>A2</b> | CAGE CODE<br><b>77820</b> | DOCUMENT NO.<br><b>MHD24P800XX</b> | REV.<br><b>A</b> |
| SCALE: 4/1        | REF: RVPX-P08VXX          | SHEET 1 OF 2                       |                  |

MHD24P800XX

SHEET 2 OF 2

REV. A

D

C

B

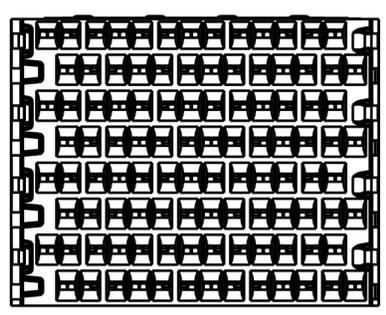
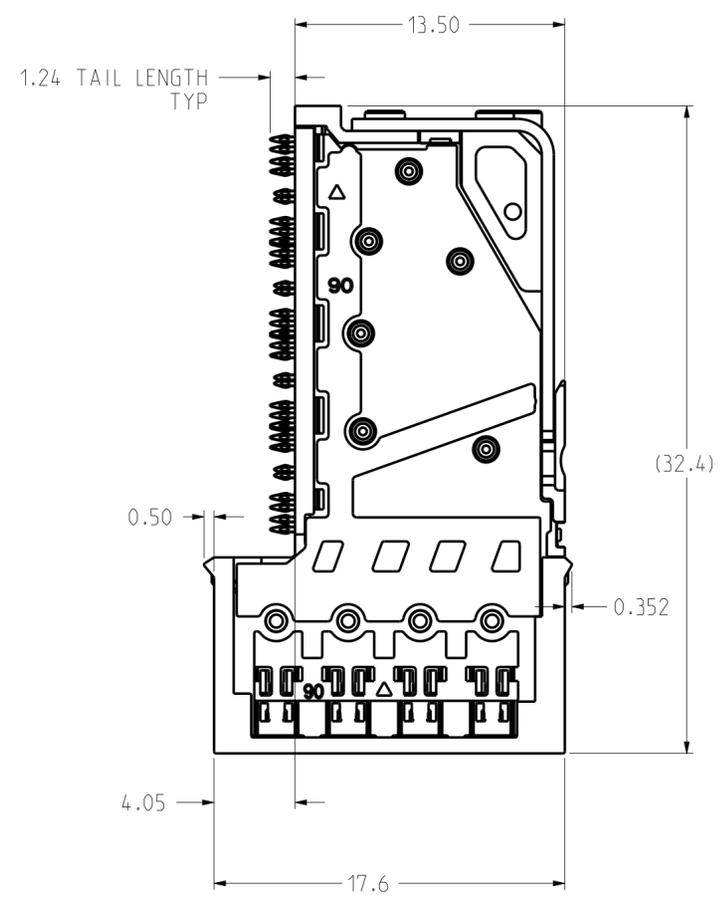
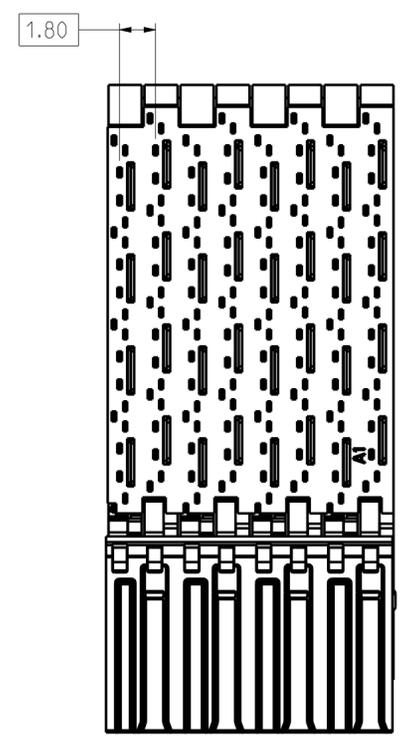
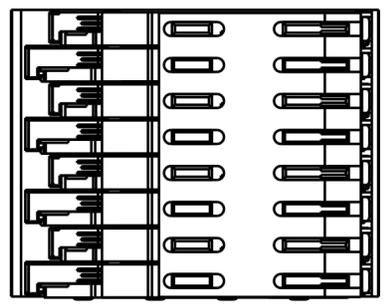
FORMAT: A2-U-E-1

NOTES:

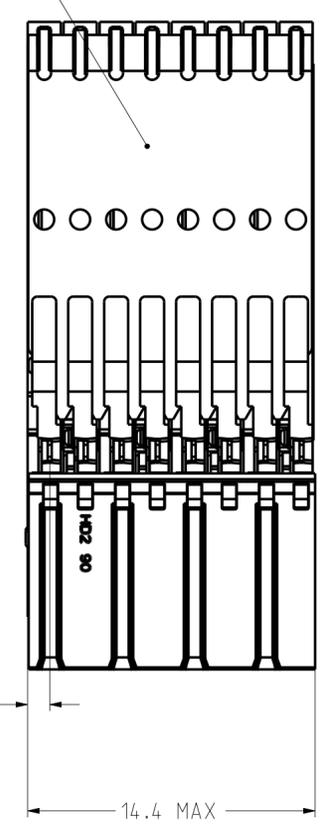
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METRIC DOCUMENT



PART MARKING AS FOLLOWS  
AMPHENOL 77820  
'AAO PART NUMBER' (SEE TABLE 1)  
'DATE CODE'  
'WORK ORDER NUMBER AS LOT NUMBER'



1.10 FROM CL OF COMPLIANT TO EDGE OF DC MODULE

SHEET 2 OF 2

MHD24P800XX