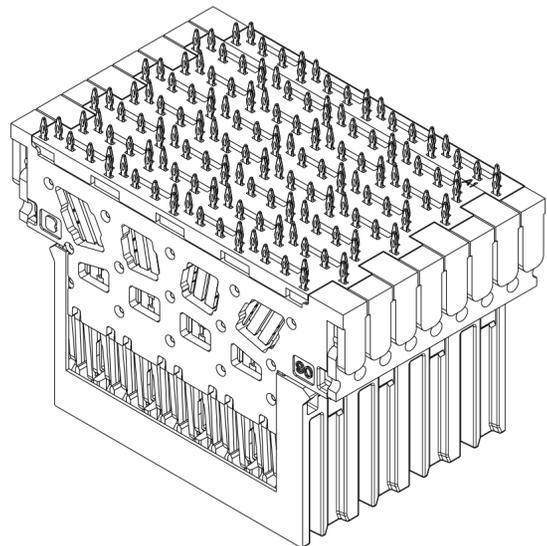


TABLE 1: PLATING THICKNESS AND MATERIAL BY PART NUMBER

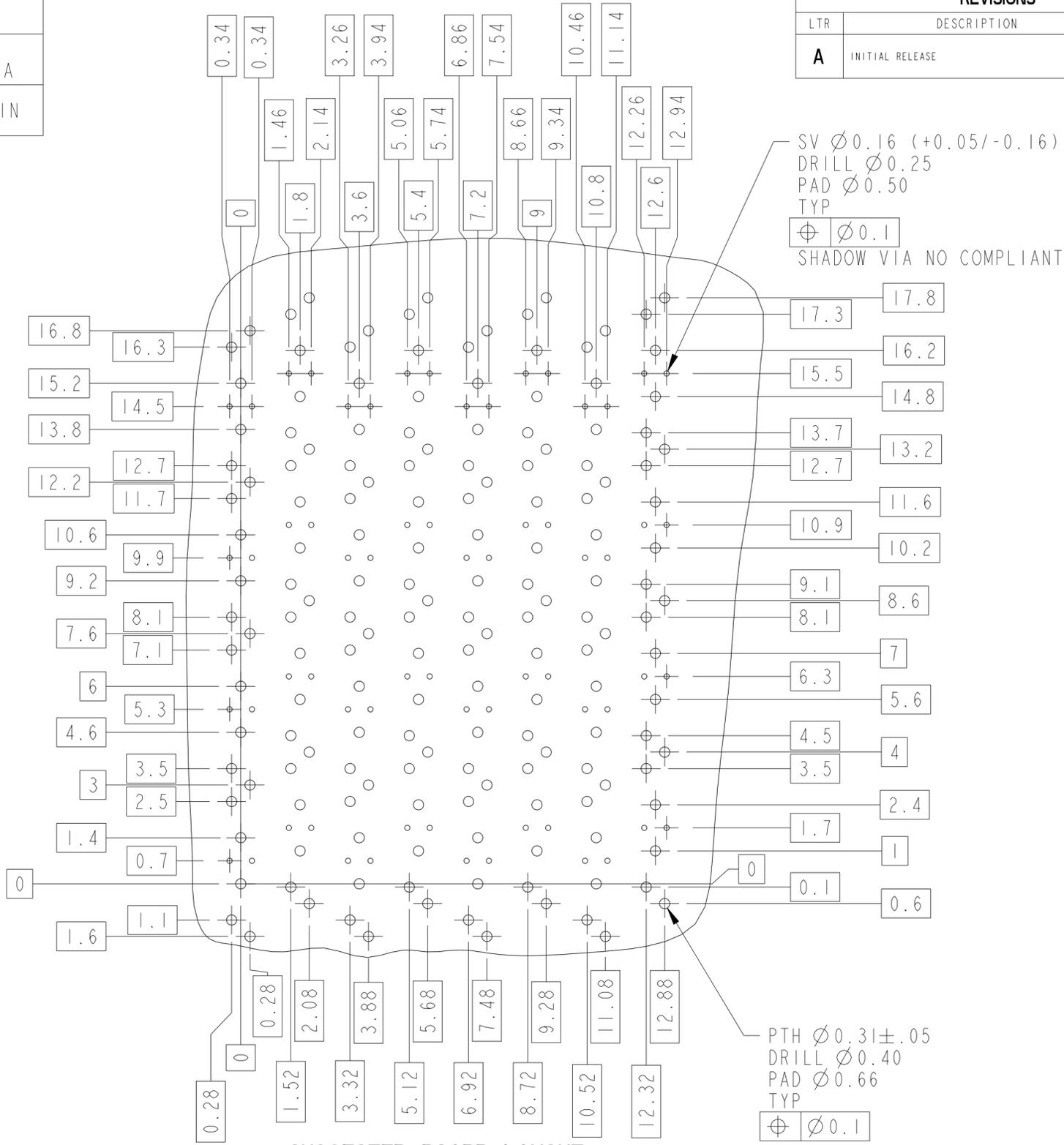
PART NUMBER	GOLD IN CONTACT AREA	COMPLAINT	NICKEL OVERALL	NICKEL IN CONTACT AREA
MHD24M800MI	50 μ-INCH MIN	5 μ-INCH MIN GOLD	50 μ-INCH MIN	80 μ-INCH MIN

REVISIONS		
LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	11/21/2022



ISOMETRIC VIEW
(COMPLIANT GUIDE FULLY SEATED)
SCALE 4

7. SURFACE GROUND PLANE EQUAL TO COMPLIANT OUTLINE REQUIRED. SURFACE GROUND PLANE TO BE FREE FROM SOLDER MASK.
6. 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.
5. NOMINAL DIMENSIONS ARE FOR FULLY SEATED CONNECTORS.
4. FOR WAFER PITCH USE 1.80mm NOMINAL FOR DAUGHTERCARD LAYOUT.
3. SEE TABLE 1 FOR PART NUMBER AND FINISHES
2. PTH CALLOUT
TYPICAL HOLE
Ø0.38-0.43 DRILL
Ø0.31±0.05 FINISHED HOLE
Ø0.66 PAD
1. HOUSING: GLASS FILLED LCP, UL94 - V0
CONTACT: Cu ALLOY
STIFFENER: STAINLESS STEEL, PASSIVATED



SUGGESTED BOARD LAYOUT
SCALE 9

NOTES:

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METRIC DOCUMENT

PRO/ENGINEER INFORMATION	
NONE	Pro/E Model Used: MHD24M800XX.ASSEM
NEXT ASSEMBLY	Drawing Name: MHD24M800XX
ENG PDM INFORMATION (REFERENCE ONLY)	REVISION A 7

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE
LINEAR DIMENSIONS ARE IN: MILLIMETERS		MATERIAL SPEC. NONE		APPROVALS		DATE		AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838 ELECTRICAL CONNECTOR, MEZZANINE, MHD2, 4 PAIR 8 COLUMN
TOLERANCES: ANGLES= ±2° NO DEFAULT LINEAR TOLERANCES		PROCESS SPEC. NONE		K. TOMPKINS		21-Jan-25		
DIM. & TOL. PER ASME Y14.5M-1994; DRM PER MIL-DTL-31000; OTHER AMPHENOL STANDARDS: 9-3800		THIRD ANGLE PROJECTION		G. PECK		G. PECK		
LEGENDS: = FLAG NOTE CALL OUT = REFERENCE ONLY		BLP		G. PECK		BLP		
SCALE: 3.0		REF: MHD24P800X		SHEET 1 OF 2		DOCUMENT NO. MHD24M800XX		REV. A

MHD24M800XX

SHEET 2 OF 2

REV. A

D

C

B

A

F

E

D

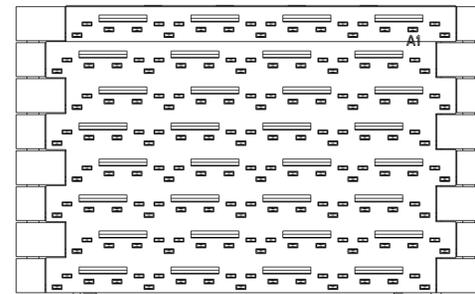
C

B

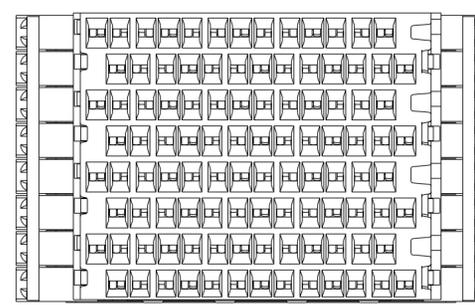
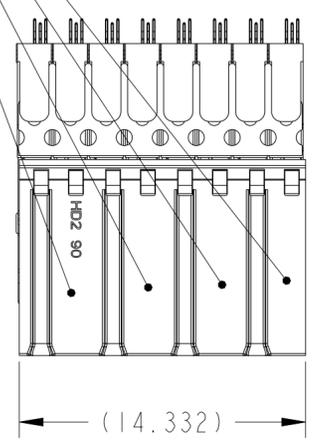
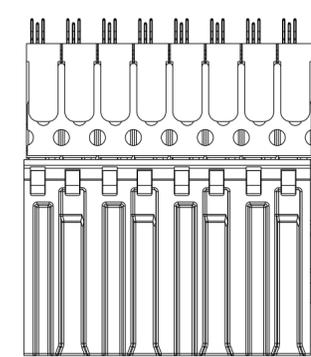
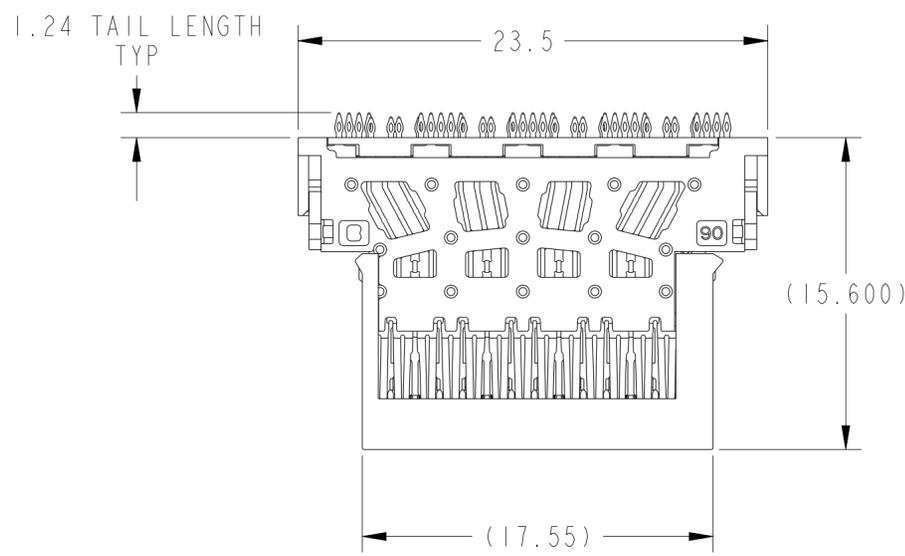
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SHEET 2 OF 2

MHD24M800XX



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



SEE SHEET 1

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METRIC DOCUMENT

ENG PDM INFORMATION
(REFERENCE ONLY)

SIZE	CAGE CODE	DOCUMENT NO.	REV.
A2	77820	MHD24M800XX	A
SCALE: 4.0	REF: MHD24P800X	SHEET 2 OF 2	