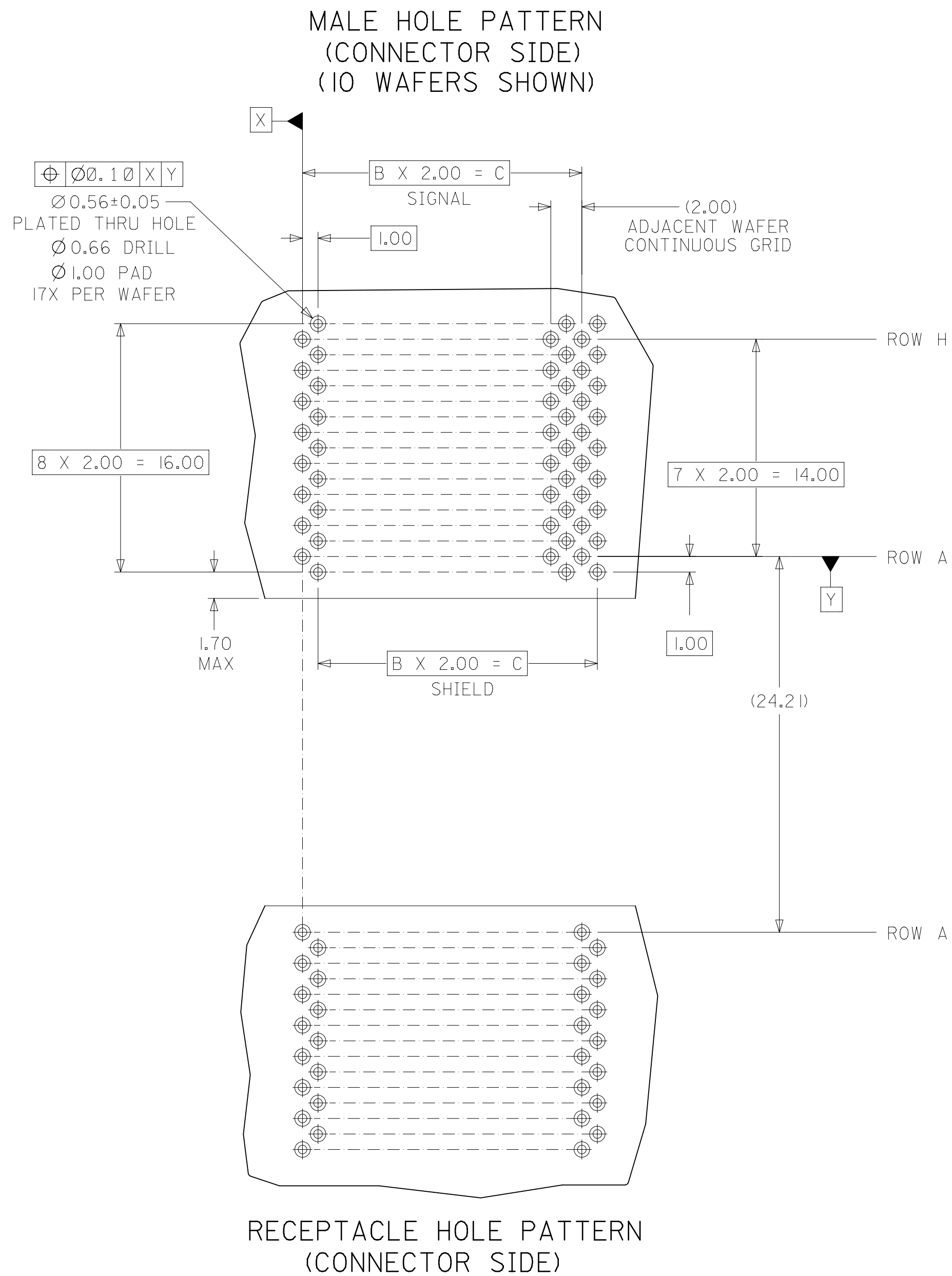
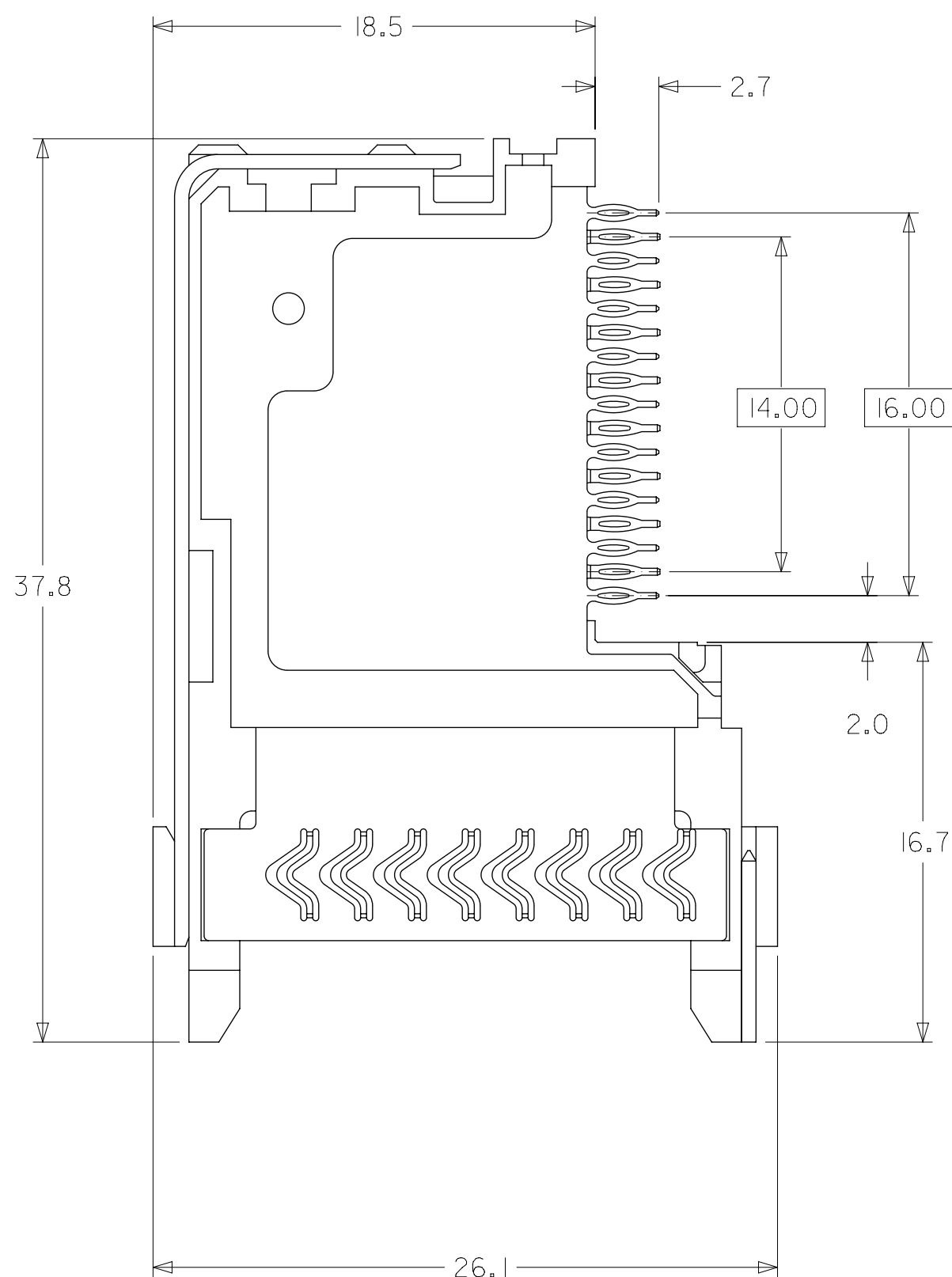
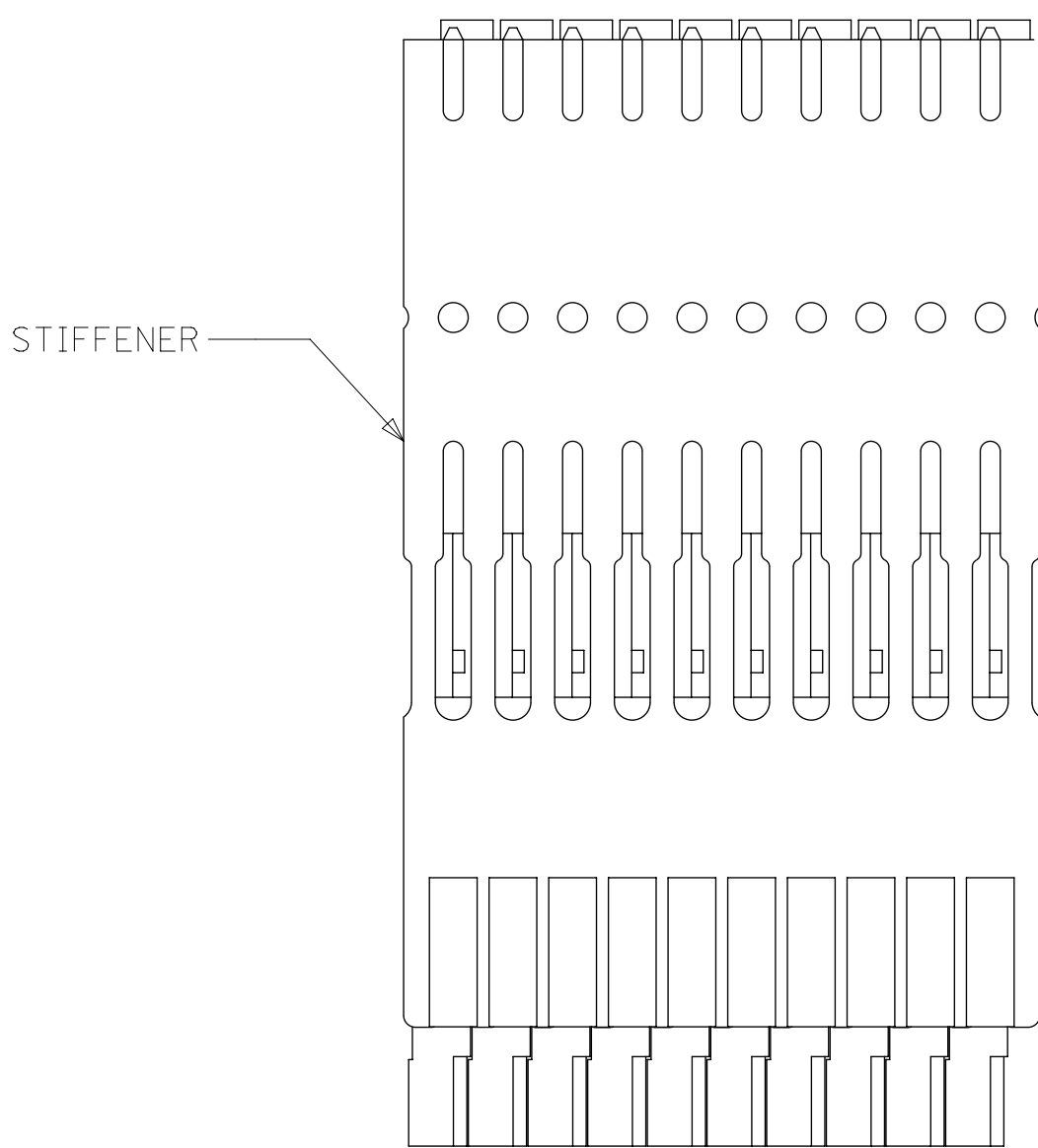
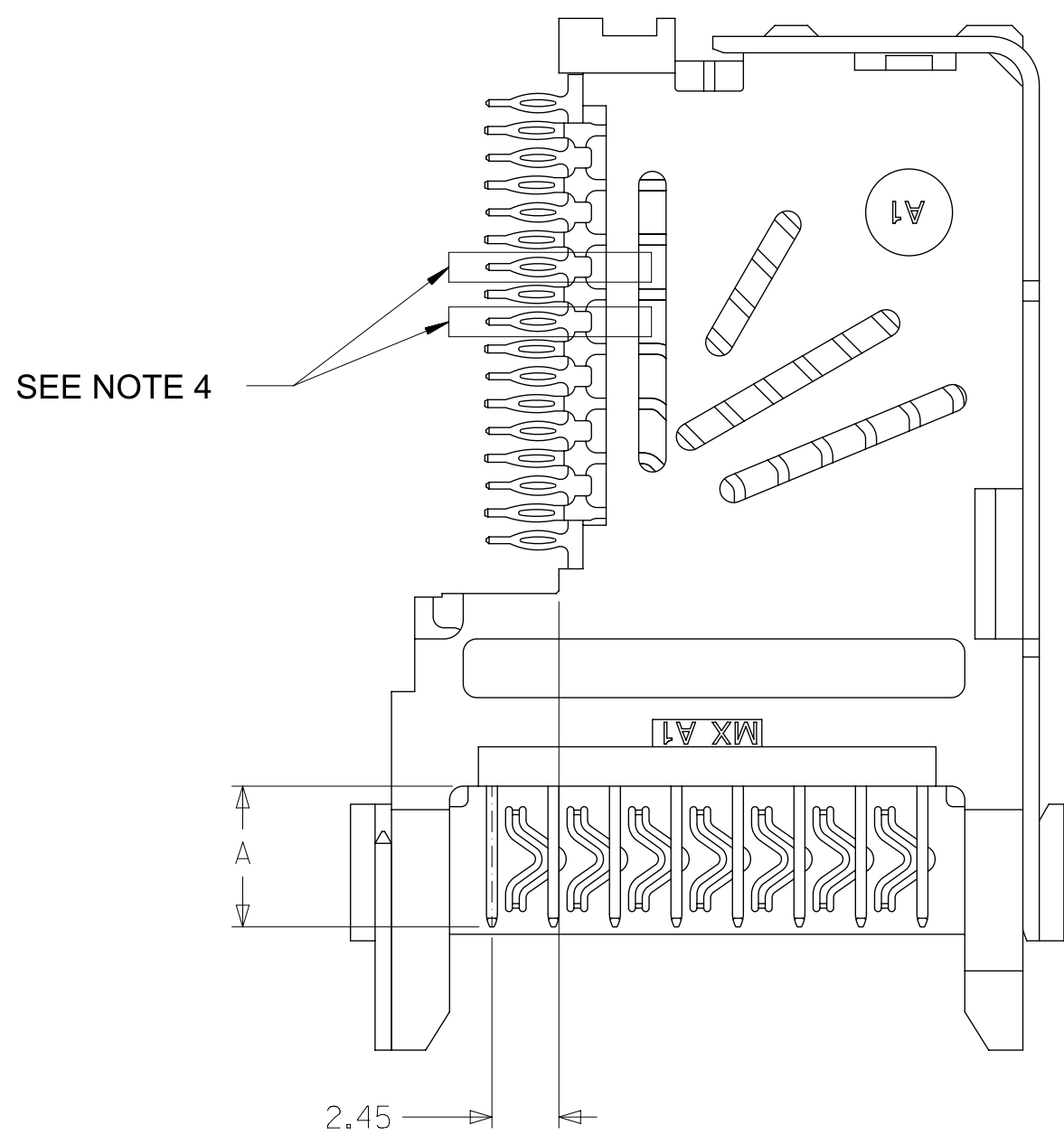


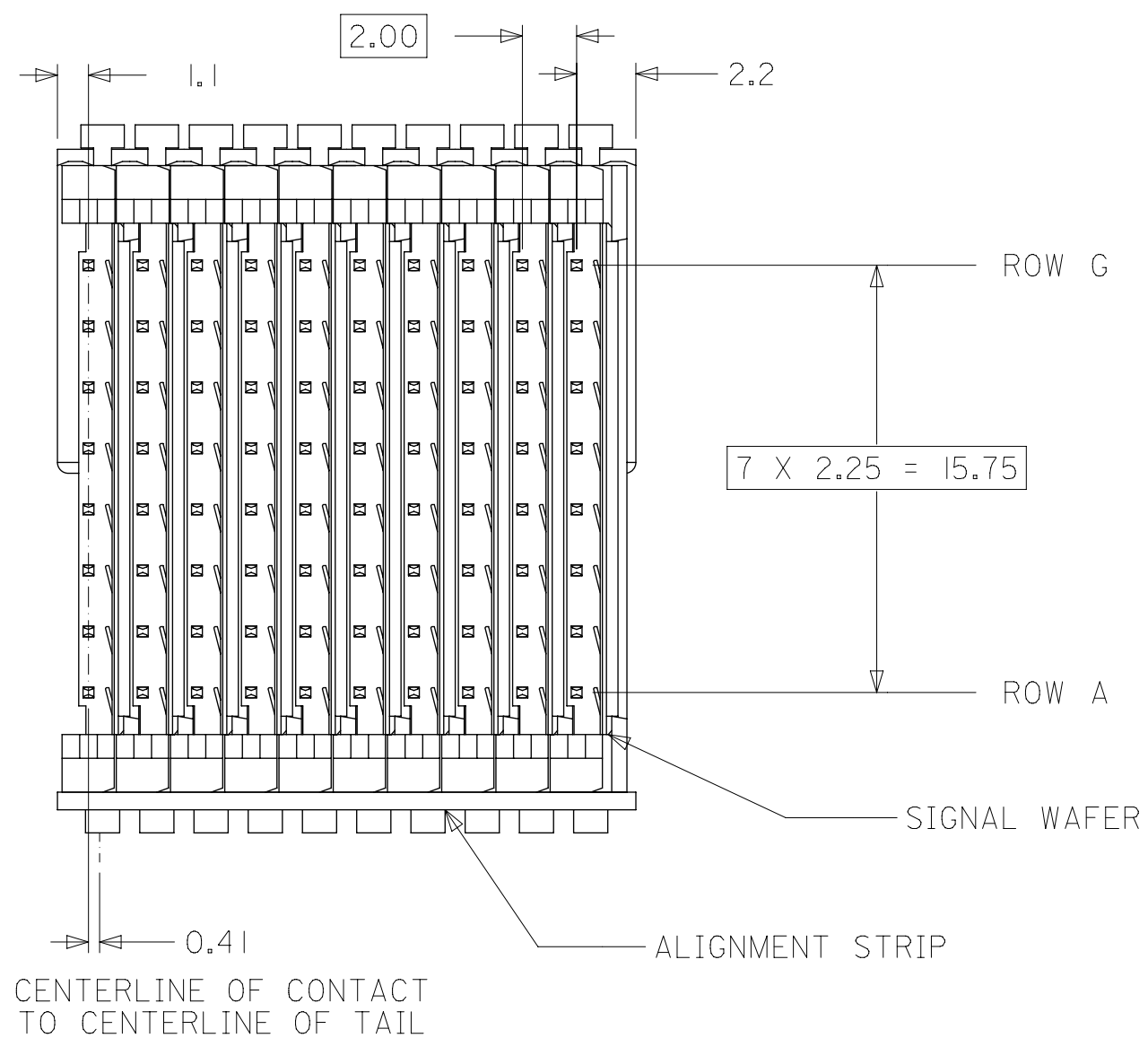
NOTES:

1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP),  
COLOR: BLACK OR GRAY (SEE CHART), UL 94V-0.  
TERMINALS AND SHIELDS: HIGH PERFORMANCE COPPER ALLOY.
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 1.27  
micrometer (50 MICROINCHES) MINIMUM OR 0.76  
micrometer (30 MICROINCHES) MINIMUM --SEE  
CHART--; SELECTIVE MATTE TIN (Sn) OR TIN/LEAD  
(Sn/Pb) IN TAIL AREA; NICKEL (Ni) OVERALL.
3. SIGNAL WAFERS SUPPLIED ON A STAINLESS STEEL STIFFENER  
WITH A STAINLESS STEEL ALIGNMENT STRIP.  
CONFIGURATIONS ARE CUSTOM PER ASSEMBLY CONSULT  
FACTORY FOR DETAILS.
4. THESE TWO TAILS ARE NOT PRESENT ON WAFER 75166-3100.

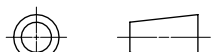


| PART NUMBER  | DIM A                              | HOUSING COLOR | GOLD PLATING (MICROINCHES) | PB / PB FREE |
|--------------|------------------------------------|---------------|----------------------------|--------------|
| 75166-1000   | 5.15                               | BLACK         | 30                         | LEADED       |
| 75166-2100   | ROW A&H<br>4.75<br>ROW B-G<br>5.15 | BLACK         | 30                         | LEAD FREE    |
| 75166-3100 * | ROW A&H<br>4.75<br>ROW B-G<br>5.15 | BLACK         | 30                         | LEAD FREE    |

\* SEE NOTE 4



| NUMBER OF<br>SIGNAL WAFERS | DIM B | DIM C |
|----------------------------|-------|-------|
| 10                         | 9     | 18.00 |
| 25                         | 24    | 48.00 |
| 50                         | 49    | 98.00 |

|                                                                                                                                               |  |                                                                                                                                |  |                                                                   |  |                                                                                  |     |              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------|--|----------------------------------------------------------------------------------|-----|--------------|----------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                                                                |  |                                                                   |  |                                                                                  |     |              |          |
| DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                                                          |  | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515181 |  | <div>molex</div> <div>VHDM 8 ROW<br/>RIGHT ANGLE MALE SIGNAL SALES DRAWING</div> |     |              |          |
| MM                                                                                                                                            |  | NTS                                                                                                                            |  |                                                                   |  |                                                                                  |     |              |          |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                                                                                                                                |  |                                                                   |  |                                                                                  |     |              |          |
| ANGULAR TOL ± 0.5°                                                                                                                            |  | STATUS: Production<br>DRWN: Vishal Ramesh Hosur 2024-07-16<br>CHK'D: Ganesh Rao B 2024-08-20<br>APPR: Gurunandan GA 2024-08-20 |  |                                                                   |  | PRODUCT CUSTOMER DRAWING                                                         |     |              |          |
| 4 PLACES ±                                                                                                                                    |  |                                                                                                                                |  |                                                                   |  | DOCUMENT NUMBER                                                                  |     | DOC TYPE     | DOC PART |
| 3 PLACES ±                                                                                                                                    |  |                                                                                                                                |  | SD-75166-001                                                      |  | PSD                                                                              | 001 | C3           |          |
| 2 PLACES ± 0.130                                                                                                                              |  |                                                                                                                                |  |                                                                   |  |                                                                                  |     |              |          |
| 1 PLACE ± 0.25                                                                                                                                |  | THIRD ANGLE PROJECTION<br>                |  | MATERIAL NUMBER                                                   |  | CUSTOMER                                                                         |     | SHEET NUMBER |          |
| 0 PLACES ±                                                                                                                                    |  |                                                                                                                                |  | D-SIZE                                                            |  | 95166                                                                            |     | 1 OF 1       |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |                                                                                                                                |  |                                                                   |  |                                                                                  |     |              |          |