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REVISIONS

Diagram illustrating the mechanical dimensions and pin configuration of a 16-pin connector. The drawing shows a side view of the connector with dimensions in millimeters (mm).

Dimensions:

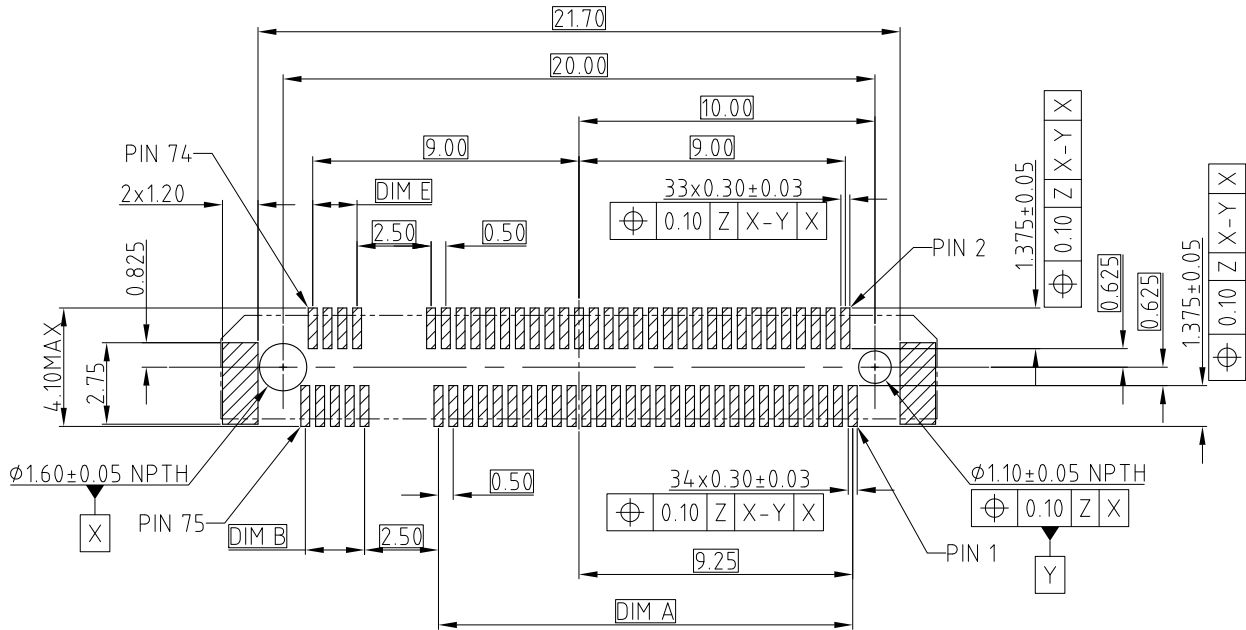
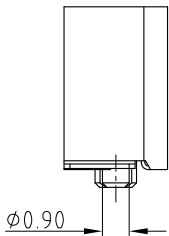
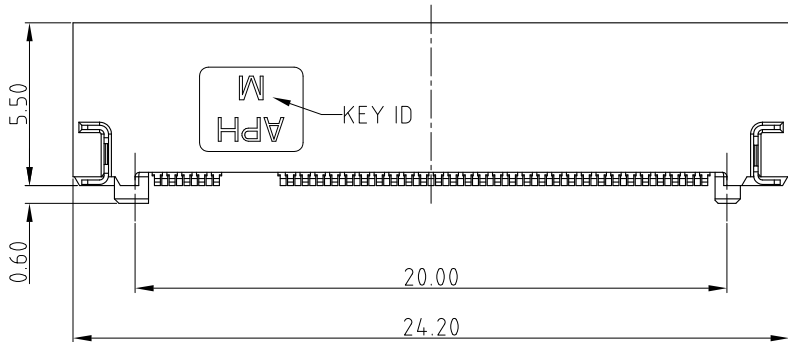
- Overall Width:** 9.00 mm (top and bottom)
- Pin Pitch:** 0.50 mm (indicated by dimension lines A)
- Pin 1 to Pin 8 Distance:** 9.25 mm (bottom)
- Pin 9 to Pin 16 Distance:** 9.00 mm (top)
- Pin 1 to Pin 9 Distance:** 2.50 mm (bottom)
- Pin 9 to Pin 16 Distance:** 1.10 mm (top)
- Pin 1 to Pin 9 Distance:** DIM B (bottom)
- Pin 9 to Pin 16 Distance:** DIM C (bottom)
- Pin 1 to Pin 9 Distance:** DIM D (top)
- Pin 9 to Pin 16 Distance:** DIM E (top)

Pin Configuration:

- PIN 1:** Located at the bottom right.
- PIN 2:** Located at the top right.
- PIN 74:** Located at the top left.
- PIN 75:** Located at the bottom left.

The connector has a total of 16 pins, with 8 pins on each side. The pins are arranged in a 2x8 grid. The dimensions are provided in millimeters (mm).

Technical drawing of the bottom view of the container. It shows a circular base with a diameter of 1.40, indicated by a dimension line and the symbol $\varnothing 1.40$.



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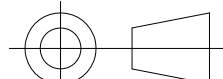
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1. MATERIAL:
 - PLASTIC: LCP, UL 94V-0, BLACK
 - CONTACT: COPPER ALLOY
 - BOARD LOCK: ALLOY
2. FINISHED:
 - CONTACT AREA: 0.76um Au PLATED
 - SOLDER AREA: GOLD FLASH
 - BOARD LOCK: TIN PLATING 2.54um MIN
 - UNDERPLATED: NI PLATING 1.27um MIN
3. ELECTRICAL PERFORMANCE:
 - 3.1 CURRENT RATING: 0.5A PER PIN
 - 3.2 DIELECTRIC STRENGTH: 300V AC FOR 1 MINUTE
 - 3.3 INSULATION RESISTANCE: 500MΩ MIN
 - 3.4 CONTACT RESISTANCE: 55mΩ MAX
 - 3.5 OPERATION TEMPERATURE: -40°C TO +85°C
4. DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994
5. MATERIAL IS FULFILLED RoHS AND HALOGEN FREE

ORDER P/N SYSTEM:
MDT350X01401VT

CONNECTOR KEY ID	
A - KEY A	TOOLED
B - KEY B	TOOLED
E - KEY E	TOOLED
M - KEY M	TOOLED
...	

M	14.0	2.0	1.375	6.125	1.50	
E	5.5	10.5	1.125	-2.625	10.50	
B	2.5	13.5		-5.625	13.50	
A	1.5	14.5		-6.625	14.50	
KEY ID	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	REMARK

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN	Yunx.liu	Dec.28,2019			
.X +/— 0.50		CHECKED	Ly.yi	Dec.28,2019		TITLE	
.XX +/— 0.25		APPROVED					
.XXX +/—		DRAWING FILE : DRAWING\M.2\CMDT350X01401VT				VERTICAL M.2 MINI PCle Gen4 CONNECTOR	
FRACTIONS +/—							
ANGLES +/— 5°		<div>ANGLE OF PROJECTION</div> <div></div>				<div>SIZE</div> <div>A3</div>	
FOR MATERIALS AND FINISHES SEE NOTES							
REMOVE SHARP EDGES		<div>DRAWING NO.</div> <div>C MDT350X01401VT</div>				REV. 2	
DIMENSIONS							
<div>— U.S. —</div> <div>(METRIC)</div>		<div>SCALE</div> <div>NONE</div>				SHEET 1 OF 1	
<div>— INCHES —</div> <div>(MM)</div>							