

1. DRAWINGS ARE FOR INSPECTION PURPOSES ONLY. ACTUAL PART SHALL CONFORM TO THE FOLLOWING 3D ELECTRONIC FILE: X890853-CHASSIS-FAN-MODULE-ASSY-REVD.ASM
2. PART SHALL BE CLEAN AND FREE OF CONTAMINANTS, METAL FLAKES, AND OIL.
3. ACCESSIBLE SHARP EDGES NOT PERMITTED. BURR SHALL BE TOWARDS SURFACE INDICATED. MAX BURR SIZE TO BE 10% OF MATERIAL THICKNESS AND IN COMPLIANCE WITH UL1439 STANDARD ON ALL ACCESSIBLE EDGES.
4. REFERENCE THE LATEST REVISION OF THE FOLLOWING DOCUMENTS FOR INSPECTION AND ACCEPTANCE CRITERIA:
 - A. MICROSOFT METAL QUALIFICATION PROCESS (D00435)
 - B. MICROSOFT SHEET METAL PART WORKMANSHIP STANDARDS (D00034)
 - C. MICROSOFT RESTRICTED SUBSTANCES FOR HARDWARE PRODUCTS (H00594)
 - D. MICROSOFT RESTRICTED SUBSTANCES CONTROL SYSTEM (H00642)
 - E. MICROSOFT PAINTED PRODUCT WORKMANSHIP AND TEST SPECIFICATION (H00388)
 - F. MICROSOFT SYSTEM EMC DESIGN RULES AND GUIDELINES (D00755)
5. FAI IQC/OQC FIXTURES REQUIRED AND MUST BE APPROVED BY MICROSOFT ENGINEERING. FREE STATE INSPECTION CONDITIONS REQUIRED FOR FAI. ON-GOING PROCESS CONTROL INSPECTIONS SHALL BE DONE IN FREE STATE.
6. PARTS SHALL BE PACKAGED FOR SUPPLIER INTERNAL DISTRIBUTION.
7. ASSEMBLY:
 - A. DC FAN (ITEM 20) (X6) SHALL BE FIXED TO FAN TRAY ASSY (ITEM 10) USING RUBBER ISOLATOR (ITEM 40) (X12) AND M5 x 10 SCREW (ITEM 60) (X12).
 - B. 20P/6P*6 FAN CABLE ASSY (ITEM 50) SHALL BE FIXED TO FAN TRAY ASSY (ITEM 10) USING PRE-INSTALLED CABLE CLIPS.
 - C. 20P/20P FAN CABLE ASSY (ITEM 30) SHALL BE CLIPPED TO 20P/6P*6 FAN CABLE ASSY (ITEM 50).
8. SCREW TORQUE SPECIFICATION 5 KGF-CM. SCREW MUST BE FLUSH OR BELOW OUTER SURFACE.
9. TOLERANCE KEY FOR NON-DIMENSIONED ITEMS:
ASSEMBLED STANDOFFS: $\pm 1.0^\circ$

This exploded view diagram illustrates the rear panel assembly of a server chassis. The panel features six circular fans arranged in a 3x2 grid. Four temperature sensors are positioned between the fans, with two sensors located between the top and middle rows, and two between the middle and bottom rows. The diagram shows the fans, sensors, and various mounting hardware (screws, brackets, and a cable) being aligned with the rear panel. The chassis frame is visible on the left side.

| | | | |
|------|---|-----|----------------|
| 70 | CABLE TIE | 1 | X903843 |
| 60 | SCREW, M5.0 x 10.0 L, 1-HEAD, NI PLATE, STEEL | 12 | X882391 |
| 40 | ISOLATOR, RUBBER, FAN | 12 | X882392 |
| 20 | FAN, DC, 12V, DELTA, 350 CFM, 1.6" H2O | 6 | X891496 |
| 10 | FAN TRAY ASSY | 1 | X873083 |
| 3 | LABEL, FAN CAUTION | 1 | X904182 |
| 2 | CABLE ASSY, FAN, 20P/20P, 12V, 1A | 1 | X894686 |
| 1 | CABLE ASSY, FAN, 20P/6P*6, 12V, 1A | 1 | X894684 |
| ITEM | DESCRIPTION | QTY | DRAWING NUMBER |

| | | | | | |
|-------------------------------|-----------|-----|------|---|---------------------|
| DIMENSIONS ARE IN MILLIMETERS | | | | - | - |
| GENERAL TOLERANCES | | | | SEE NOTES | SEE NOTES |
| | X | X,X | X,XX | DOCUMENT NO | GENERAL DESCRIPTION |
| STD. DIM | SEE NOTES | | | APPLICABLE SPECIFICATION TABLE | |
| ANGLE | | | | THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO MICROSOFT CORPORATION AND SHALL NOT BE USED BY OR DISCLOSED IN ANY MANNER OR PART TO ANYONE OUTSIDE OF MICROSOFT CORPORATION WITHOUT THE PRIOR WRITTEN PERMISSION OF MICROSOFT CORPORATION. | |
| RADIUS | | | | | |

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REVISIONS

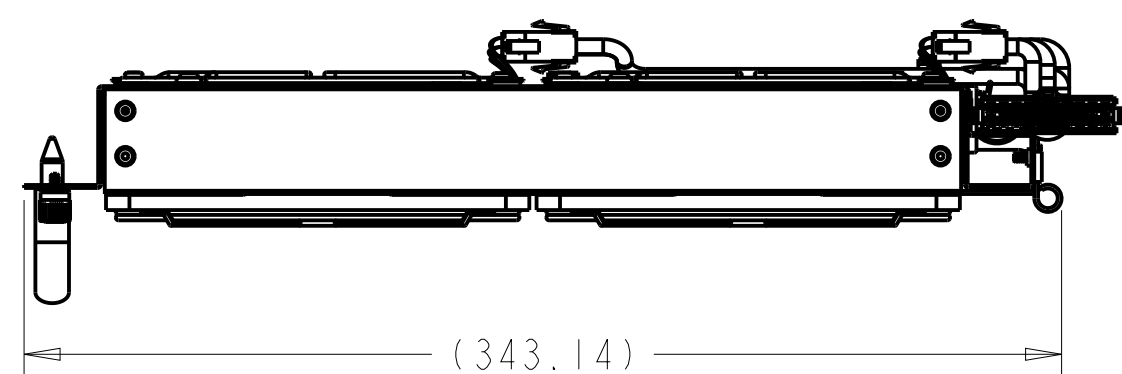
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DESCRIPTION

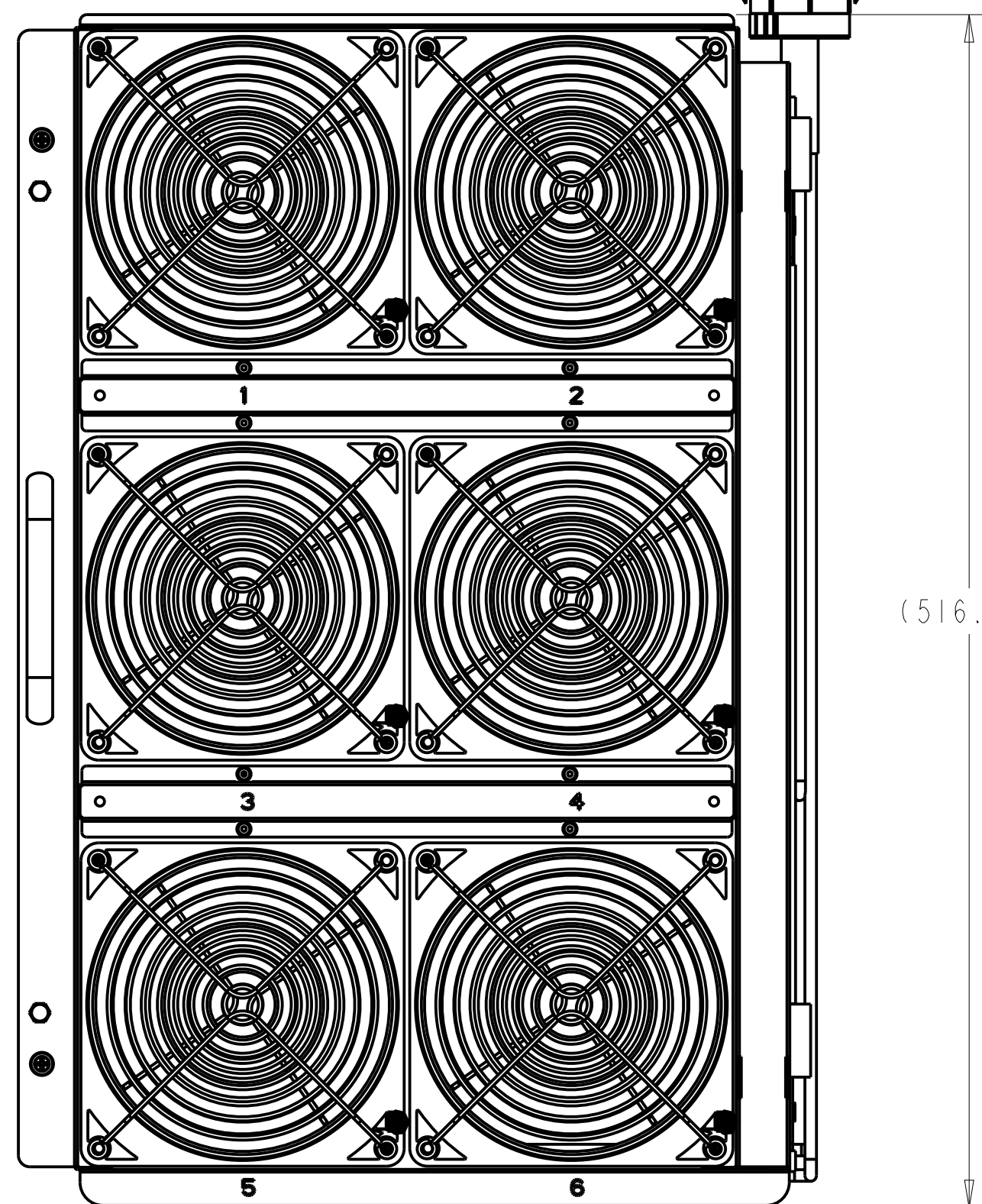
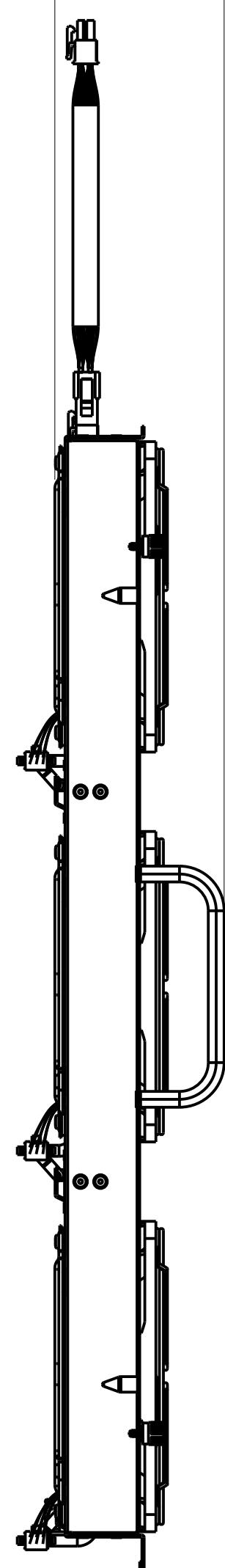
DRAWN

APPROVED

SEE SHEET 1 FOR REVISIONS



(76.39)



(516.50)

Fan wire
routingUse cable tie to
fan guard on
bottom cableCorrect wire routing shown, OUTSIDE
of metal brackets.**Microsoft**MS PART NO: X890853-001
MS PDM VER: D.1

TITLE:

**ASSY, CHASSIS FAN
MODULE, 12U, MODEL E1020**

SIZE:

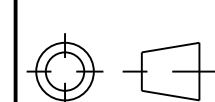
THIRD ANGLE
PROJECTION

DRAWING NO:

X890853

REV:

D

DSCALE:
0.400SHEET:
2 OF 2