REV	ECO NO	DESCRIPTION	DRAWN	APVD DATE
A	-	INITIAL RELEASE.	PENSAR	12/26/13
B		DFM FEEDBACK CHGS.	MG PETERSON	05/07/14

NOTES (UNLESS OTHERWISE SPECIFIED):

1. DRAWINGS ARE FOR INSPECTION PURPOSES ONLY. ACTUAL PART SHALL CONFORM TO THE FOLLOWING 3D ELECTRONIC FILE: X885971-FAN-MALE-HINGE-BRKT-REVB.PRT

2. MATERIAL: HOT-DIPPED-GALV-STEEL-SGCC
   THICKNESS: 1.20 to 1.27±0.1mm
   HARDNESS: 50-60 ROCKWELL B
   SPECIFICATION: JIS G3302
   PLATING/COATING: ZCS(A)X, ZINC COATING MASS: Z08, MINIMIZED SPANGLE, SKIN PASSED, CHROMATE (ANTI-FINGER PRINT) TREATED, UNOILED
   MATERIAL SHALL CONTAIN 0.02% MIN TO 0.15% MAX CARBON.

3. PART WEIGHT: (20.621 GRAMS), (0.728 OZ)

4. PART SHALL BE CLEAN AND FREE OF CONTAMINANTS, METAL FLAKES, AND OIL.

5. UNDIMENSIONED 90° BENDS SHALL BE HELD AT A TOLERANCE OF ±1°.

6. 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.

7. 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)
   G. MICROSOFT METAL STAMPING DIE MINIMUM TOOL GUIDELINES (D02520)
   H. MICROSOFT METAL STAMPING DIE MAINTENANCE GUIDELINE (D02522)

8. THE FOLLOWING INFORMATION SHALL BE MARKED IN A PERMANENT AND LEGIBLE MANNER, LOCATED WHERE INDICATED. CHARACTERS SHALL BE A MINIMUM OF 3.0mm TALL.
   A. MICROSOFT PART NUMBER
   B. CURRENT REVISION
   C. NA DUE TO PART SIZE
   D. NA DUE TO PART SIZE

9. VENDOR SHALL SUPPLY A CERTIFICATE OF REGULATORY COMPLIANCE WITH EACH SHIPMENT THAT INCLUDES THE FOLLOWING INFORMATION:
   A. NAME OF THE SUPPLIER
   B. PRODUCTION DATE
   C. MATERIAL MANUFACTURER'S NAME OR TRADE NAME AND MATERIAL DESIGNATION
   D. NAME OF THE COMPANY BUYING THE PRODUCT
   E. PART NUMBER AND REVISION
   F. PURCHASE ORDER NUMBER
   G. SHIPMENT DATE
   H. QUANTITY OF PARTS SHIPPED
   I. MANUFACTURER REPRESENTATIVE'S NAME, SIGNATURE OR FUNCTION TO ATTEST TO THE ACCURACY OF THE INFORMATION.

10. PART TOOLING IS THE PROPERTY OF MICROSOFT AND SHALL BE PERMANENTLY MARKED WITH "PROPERTY OF MICROSOFT", THE PART NUMBER, AND THE TOOL ASSET NUMBER.

11. 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.

12. PARTS SHALL BE PACKAGED FOR SUPPLIER INTERNAL DISTRIBUTION.

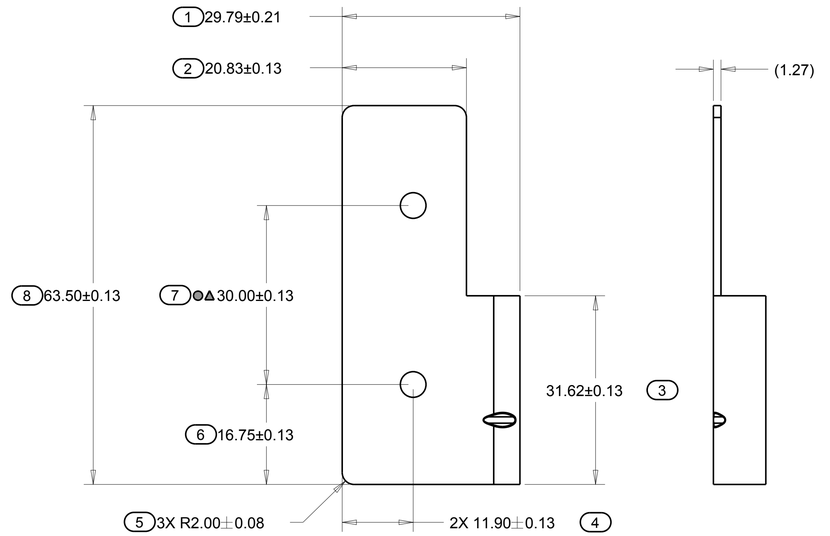
13. COIN EDGES WHERE INDICATED TO REMOVE SHARP EDGES. BREAKS IN COINING FOR CARRYING WEBS REQUIRE APPROVAL OF MICROSOFT ENGINEERING.

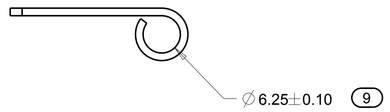
14. BEND RADII AND RELIEFS SHALL COMPLY TO ELECTRONIC DATABASE.

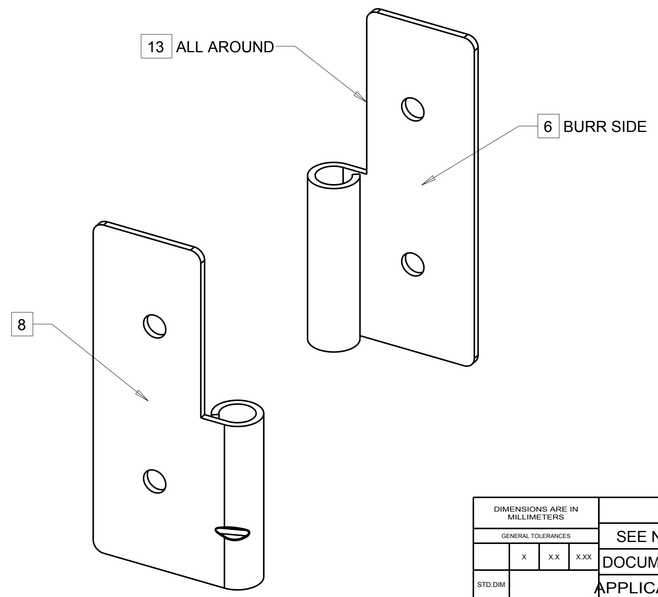
15. CARRY POINTS SHALL BE RECESSED BY 0.25mm MAX. TOOLING HOLES OR OTHER DEVIATIONS REQUIRE APPROVAL BY MICROSOFT ENGINEERING.

16. TOLERANCE KEY FOR NON-DIMENSIONED ITEMS:
   HOLE DIAMETER: PUNCH DIRECTION ±0.08
   CHAMFERED HOLE DIAMETER: BURR SIDE ±0.15
   HOLE TO HOLE: ±0.13
   HOLE TO EDGE: ±0.13
   EDGE TO EDGE: ±0.13
   HOLE TO BEND: ±0.13
   EDGE TO BEND: ±0.21
   BEND TO BEND: ±0.26
   EMBOSS DEPTH: ±0.26
   ANGLE: ±1.0°

17. VENDOR MODIFICATION OF HOLE FEATURE SIZING AND TOLERANCES FOR PRESS-IN HARDWARE IS ALLOWED FOR VENDOR SPECIFIC HARDWARE PER MICROSOFT APPROVAL.







DIMENSIONS ARE IN MILLIMETERS	-	-
GENERAL TOLERANCES	SEE NOTES	SEE NOTES
X / X.X / X.XX	DOCUMENT NO	GENERAL DESCRIPTION
STD.DIM / ANGLE / RADIUS: SEE NOTES	APPLICABLE SPECIFICATION TABLE	

THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO MICROSOFT CORPORATION AND SHALL NOT BE USED BY, OR DISCLOSED IN WHOLE OR IN PART TO ANYONE OUTSIDE OF MICROSOFT CORPORATION WITHOUT THE PRIOR WRITTEN PERMISSION OF MICROSOFT CORPORATION.

DRAWN	PENSAR	DATE 12/19/13
CHECKED	-	DATE -
ENGINEER	BRUBEN	DATE 12/19/13
ENGINEER	-	DATE -
COG ENGR	-	DATE -
MFG ENGR	-	DATE -
TOOLING	-	DATE -
QUALITY	-	DATE -
RELEASED	-	DATE -

Microsoft®

MS PART NO: X885971-001
MS PDM VER: B.1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE: MILLIMETERS
TOLERANCES ARE:
SEE TOLERANCE BLOCK
DO NOT SCALE DRAWING

TITLE: FAN HINGE BRKT, MALE

LEGEND:
★ = TOLERANCE CHAIN DIM
▣ = CRITICAL DIM
◉ = TOOLING DIM
▲ = PROCESS DIM
(8) = DIMENSION ID

SIZE: D

THIRD ANGLE PROJECTION

DRAWING NO: X885971 REV: B

SCALE: 2.000 SHEET: 1 OF 1