ECR #: 38
Title: AGP NLX Form Factor Card Bracket Length Change
Release Date: Oct. 21, 1997
Impact: Change
Spec Version: A.G.P. 1.0

Summary:

This ECR obsoletes the I/O bracket geometry in Figures 5-3, 5-4, 5-6, and 5-7 of ECR#35. Change the overall length and center the mounting hole of the A.G.P. NLX form factor card bracket to allow a larger I/O connector area.

Background:

The current A.G.P. NLX form factor bracket does not allow enough space for some future connector applications. The anticipated future availability of high bandwidth video monitors with increased functionality will require I/O connectors longer than the current 15-pin VGA connector. Both A.G.P. add-in card outlines will support longer connectors, but the NLX form factor bracket is too short to allow a connector much larger than the VGA to be used. This ECR increases the overall length of the NLX form factor bracket to the maximum size allowable within the present NLX chassis design. Additionally, this ECR centers the mounting slot between the I/O windows, allowing larger connectors and overmolds on the solder side of the NLX board.

In order to allow flexibility in connector placement, the VGA and SVIDEO cutout details have been replaced with a maximum cable overmold size and placement definition. I/O connector(s) shall be located on the NLX bracket such that 1) the connector fits within the chassis openings (now defined), and 2) the mating cable overmold fits within the defined regions.

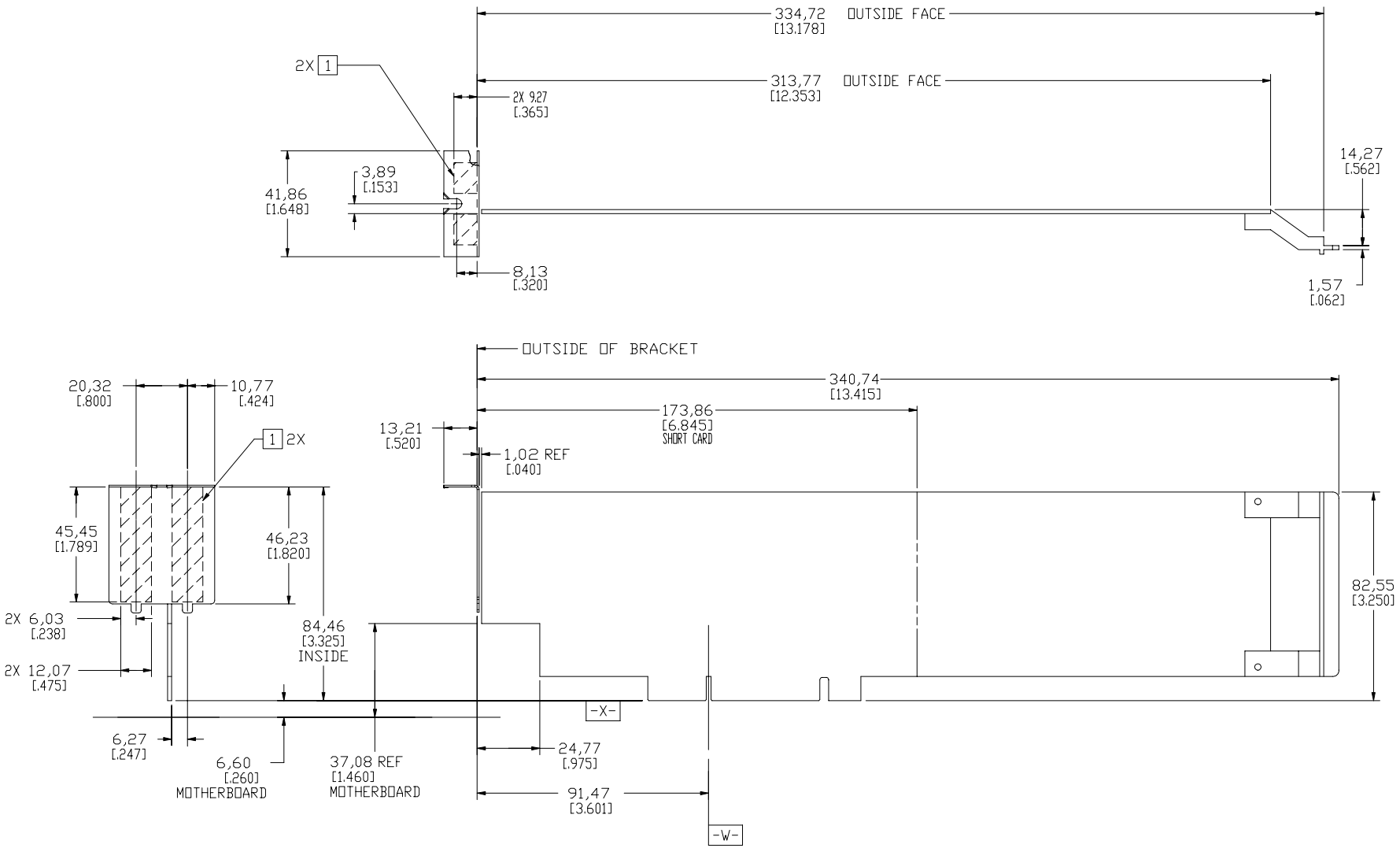
Change Current Specification as shown:

Update current specification with revised mechanical drawings for Figure 5-3, Figure 5-6, and Figure 5-7 to reflect the longer card bracket. The specific changes are:

- Figure 5-3 is revised to show the assembly view of the longer I/O bracket. The dimension from the center of the mounting slot to the component side of the add-in card has been updated. The VGA connector and I/O window details have been replaced with the required dimensions of the I/O openings in the chassis. The assembled dimension of the short length card has also been added.

- Figure 5-6 is revised to show the updated details of the A.G.P. NLX form factor card bracket. The bracket has been lengthened to 46.23 (1.820). The mounting slot has been moved. The VGA and SVIDEO cutout details have been replaced with the maximum allowable outline of mating connector cable overmolds.

- Figure 5-7 is revised to show a detailed view of the longer A.G.P. NLX form factor I/O bracket and the centered mounting hole.



NOTES:

1 HATCHED AREAS DEFINE THE SIZE AND POSITION OF THE OPENINGS IN THE CHASSIS TO ACCEPT THE NLX FORM FACTOR AGP CARD ASSEMBLY.

Figure 5-3 A.G.P. NLX Form Factor Add-in Card

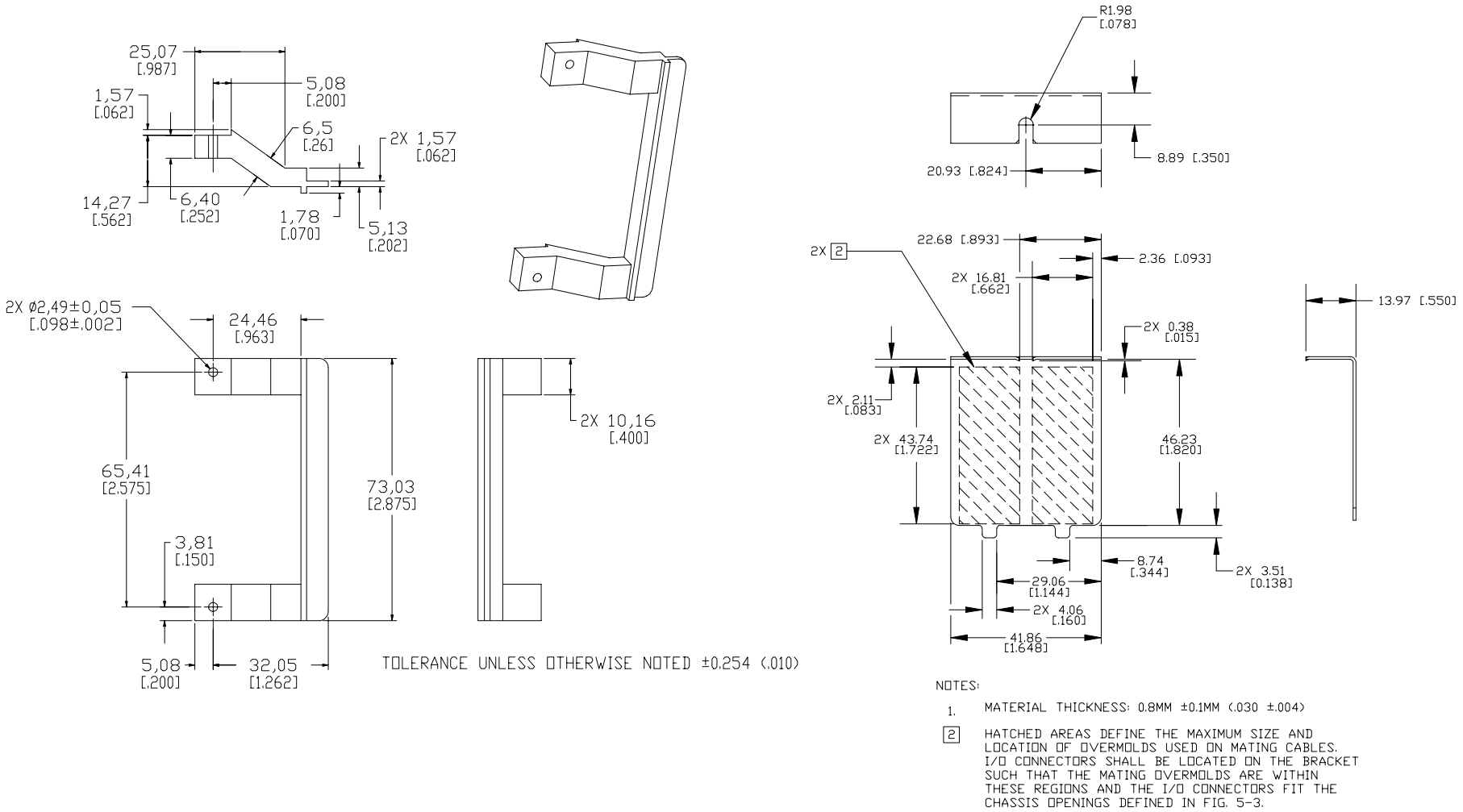
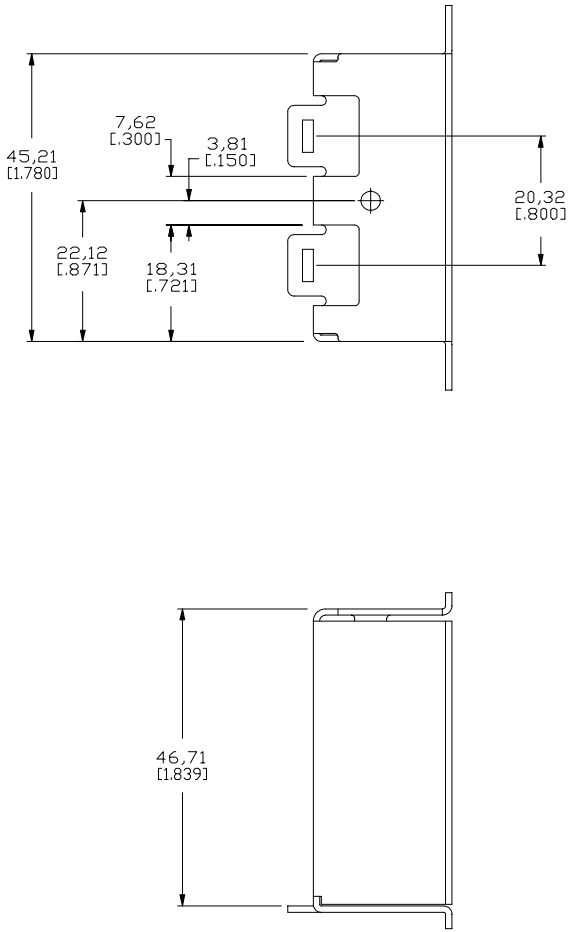
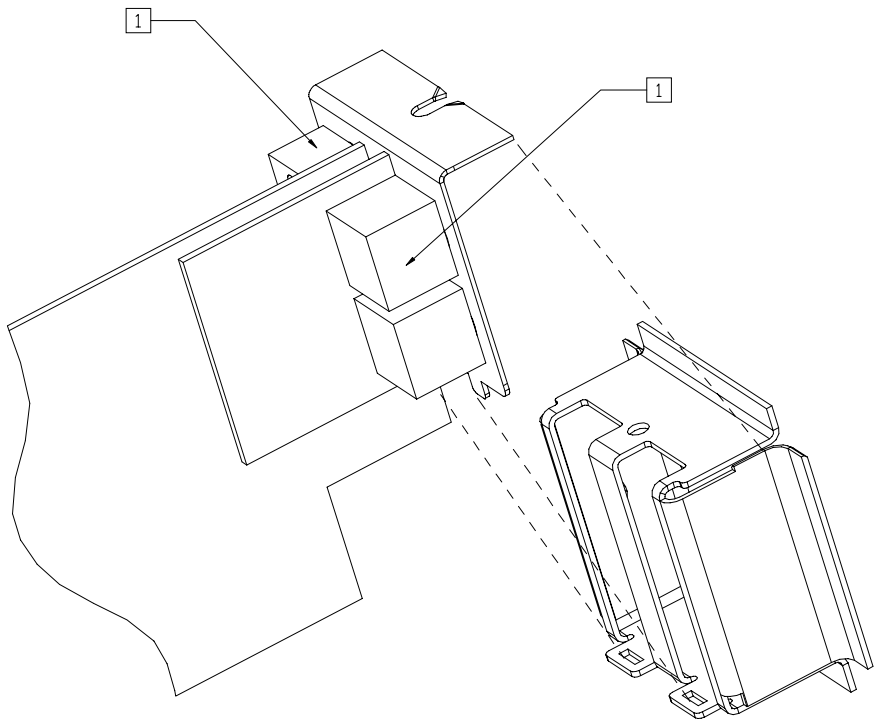


Figure 5-6 A.G.P. NLX Form Factor Add-in Card Reference Bracket Details





NOTES:

1. TO INSURE PROPER FIT IN THE CHASSIS, I/O CONNECTORS SHALL BE LOCATED TO FIT WITHIN THE CHASSIS OPENINGS DEFINED IN FIG. 5-3, AND THE MATING CABLE OVERMOLDS SHALL BE WITHIN THE MAXIMUM REGION DEFINED IN FIG. 5-6.

Figure 5-7 A.G.P. NLX Form Factor I/O Bracket and Chassis Interaction