

Errata Sheet MB86293 Coral Q

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History

Date	Author	Version	Comment
08.10.2003	AG	1.01	First version basing on MS-Word-template
28.05.2004	AG	1.02	Problem at Bitmap Drawing added

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E1:
Texture Drawing with Stencil

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Detail

Draw a texture object with "stencil" in texture alpha blend mode.
After that, if you draw an alpha blend or anti-alias object without texture, the drawing does not work correctly.

Measure

Please use one of the following methods.

- 1) Please use "stencil alpha" with alpha blending ratio "0xff" in stead of "stencil".
There is no performance fall by this method.

- 2) After drawing a texture object with "stencil", please draw a texture object without "stencil" in texture alpha blend mode.

E2:
Z value of geometry points command

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Detail

If you draw a geometry points with Z, the Z vaule became a half.

Measure

Please use a geometry lines command which coordinates set same value. And plase set GMDR1/GMDR1E to "End point drawn" and set MDR1 to "Z compare enable", "solid", "1 pixel line width".

E3:
BlitCopyAltAlphaBlendP command

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Detail

BlitCopyAltAlphaBlendP command does not work correctly, after anti-aliasing line drawing.
If you draw a point or a line without anti-aliasing or a polygon(triagnle) before BlitCopyAltAlphaBlendP command, BlitCopyAltAlphaBlendP command works correctly.

Measure

Please draw a point outside of clipframe before BlitCopyAltAlphaBlendP command.

Detail

The binary bitmap(DrawBitmap.DrawBitmap) command may not be performed correctly, after concave polygon command or clear polygon flag buffer(DrawRectP.ClearPolyFlag) command. The condition is:

- The X resolution is NOT 64 pixel multiple (the bit[5:3] of XRES register value are not "0") when drawing the concave polygon or clearing the polygon flag buffer.

Note: This phenomenon doesn't happen in 8 bits/pixel mode, because the X resolution for 8 bits/pixel layer has to be 64 pixels due to the specification of display function.

- After above drawing, draw the binary bitmap before drawing other Blt command.

Measure

Set the Blt stride(DStride) by SetRegister command before drawing the binary bitmap.

```
f1010095 //SetRegister DStride (This is for setting the stride of Blt)
```

```
xxxx0000 //Set the stride for Blt.
```

```
^^^ Set the stride value which shifted the value of XRES on the 16-bit higher.
```

xxxx: The value of XRES register

Note: If issue the BltDraw/Copy/Fill commands after performing concave polygon or clear poly flag buffer, this phenomenon doesn't occur.