QuickDraw Drawing

Contents

```
About QuickDraw Drawing
                              3-3
  The Graphics Pen
  Bit Patterns
  Boolean Transfer Modes With 1-Bit Pixels
                                             3-8
  Lines and Shapes
    Defining Lines and Shapes
                                 3-11
    Framing Shapes
                       3-12
    Painting and Filling Shapes
                                  3-12
    Erasing Shapes
                      3-12
                        3-13
    Inverting Shapes
    Other Graphic Entities
  The Eight Basic QuickDraw Colors
                                       3-14
Drawing With QuickDraw
  Drawing Lines
  Drawing Rectangles
                         3-22
                                      3-25
  Drawing Ovals, Arcs, and Wedges
  Drawing Regions and Polygons
                                    3-27
  Performing Calculations and Other Manipulations of Shapes
                                                               3-31
  Copying Bits Between Graphics Ports
  Customizing QuickDraw's Low-Level Routines
                                                  3-35
QuickDraw Drawing Reference
                                 3-36
  Data Structures
  Routines
              3-41
    Managing the Graphics Pen
    Changing the Background Bit Pattern
                                           3-48
                      3-49
    Drawing Lines
    Creating and Managing Rectangles
                                         3-52
    Drawing Rectangles
                                    3-63
    Drawing Rounded Rectangles
    Drawing Ovals
```

Contents 3-1

Drawing Arcs and Wedges 3-71 3-78 Creating and Managing Polygons **Drawing Polygons** 3-81 Creating and Managing Regions 3-85 3-100 **Drawing Regions** Scaling and Mapping Points, Rectangles, Polygons, and Regions 3-104 Calculating Black-and-White Fills 3-108 3-112 Copying Images Drawing With the Eight-Color System 3-122 Determining Whether QuickDraw Has Finished Drawing 3-125 **Getting Pattern Resources** 3-126 Customizing QuickDraw Operations 3-129 Resources 3-140 The Pattern Resource 3-140 The Pattern List Resource 3-141 Summary of QuickDraw Drawing 3-142 Pascal Summary 3-142 Constants 3-142 Data Types 3-144 Routines 3-145 C Summary 3-149 Constants 3-149 Data Types 3-151 **Functions** 3-152 Assembly-Language Summary 3-157 **Data Structures** 3-157 Global Variables 3-158

3-2 Contents