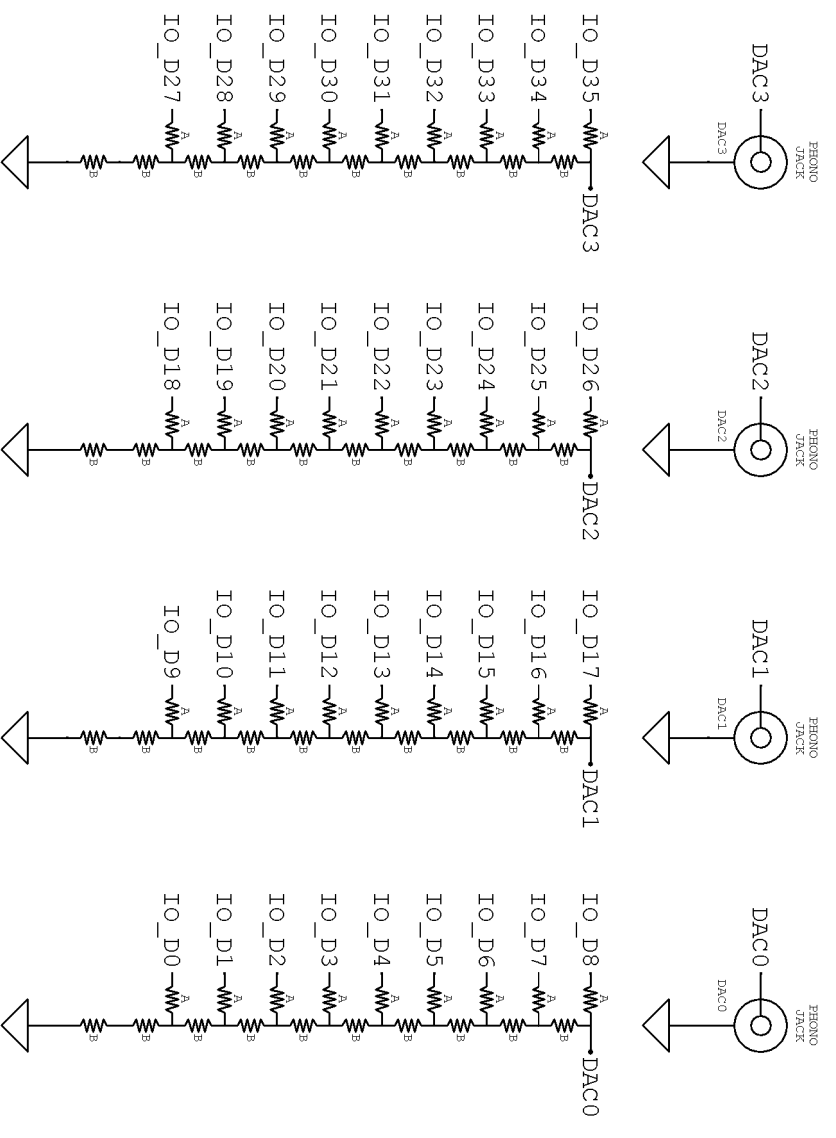


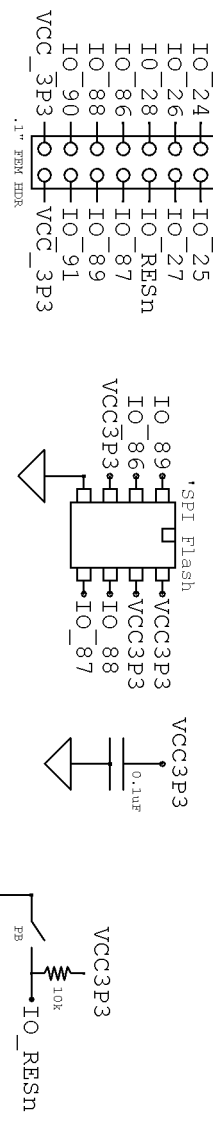
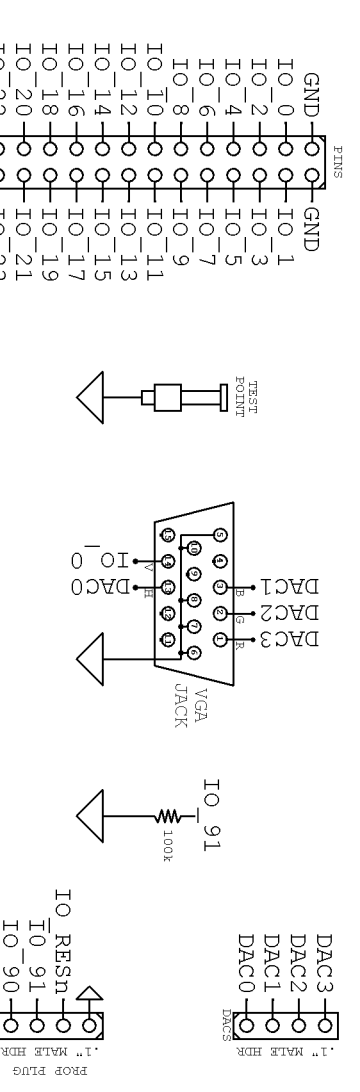
# Terasic DE2-115 Prop2 Emulator (5 cogs)

Version A2 - Date 2/15/2013



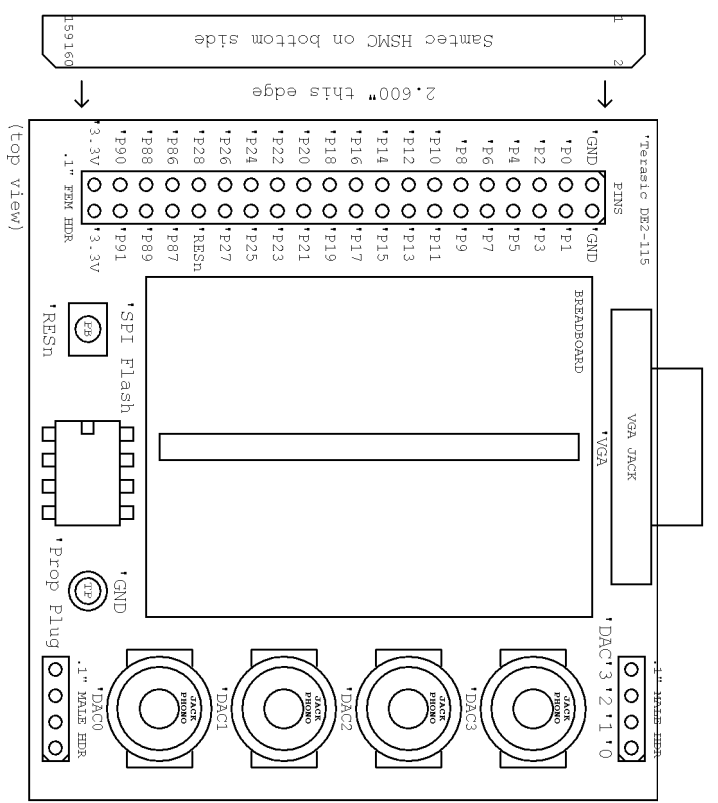
IO\_xxxx = any unique HSMC\_xxxx pin

|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |    |    |    |    |    |    |    |     |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----|-----|
| 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      | 25      | 26      | 27      | 28      | 29      | 30      | 31      | 32      | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      | 41      | 42      | 43      | 44      | 45      | 46       | 47       | 48       | 49       | 50       | 51       | 52       | 53       | 54       | 55       | 56       | 57       | 58       | 59       | 60       | 61       | 62       | 63       | 64       | 65       | 66       | 67       | 68       | 69       | 70       | 71       | 72       | 73       | 74       | 75       | 76       | 77       | 78       | 79       | 80       | 81       | 82       | 83       | 84       | 85       | 86       | 87       | 88       | 89       | 90       | 91       | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| HSMC_41 | HSMC_42 | HSMC_43 | HSMC_44 | HSMC_47 | HSMC_48 | HSMC_49 | HSMC_50 | HSMC_53 | HSMC_54 | HSMC_55 | HSMC_56 | HSMC_59 | HSMC_60 | HSMC_61 | HSMC_62 | HSMC_63 | HSMC_65 | HSMC_66 | HSMC_67 | HSMC_68 | HSMC_71 | HSMC_72 | HSMC_73 | HSMC_74 | HSMC_77 | HSMC_78 | HSMC_79 | HSMC_80 | HSMC_83 | HSMC_84 | HSMC_85 | HSMC_86 | HSMC_87 | HSMC_89 | HSMC_90 | HSMC_91 | HSMC_92 | HSMC_93 | HSMC_94 | HSMC_95 | HSMC_96 | HSMC_97 | HSMC_98 | HSMC_99 | HSMC_101 | HSMC_102 | HSMC_103 | HSMC_104 | HSMC_107 | HSMC_108 | HSMC_109 | HSMC_110 | HSMC_113 | HSMC_114 | HSMC_115 | HSMC_116 | HSMC_117 | HSMC_119 | HSMC_120 | HSMC_121 | HSMC_122 | HSMC_123 | HSMC_125 | HSMC_126 | HSMC_127 | HSMC_128 | HSMC_131 | HSMC_132 | HSMC_133 | HSMC_134 | HSMC_137 | HSMC_138 | HSMC_139 | HSMC_140 | HSMC_143 | HSMC_144 | HSMC_145 | HSMC_146 | HSMC_149 | HSMC_150 | HSMC_151 | HSMC_152 | HSMC_153 | HSMC_154 | HSMC_155 | HSMC_156 | HSMC_157 | HSMC_158 | HSMC_159 | HSMC_160 |    |    |    |    |    |    |    |    |     |



All resistors are 0603.  
 Legend text begins with " ".  
 Maintain signal orientation, as shown, for all headers.  
 All parts are on top side, except Samtec and 0603's.  
 PHONO JACK is Digikiy CP-1411-ND.

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 101      | 102      | 103      | 104      | 105      | 106      | 107      | 108      | 109      | 110      | 111      | 112      | 113      | 114      | 115      | 116      | 117      | 118      | 119      | 120      | 121      | 122      | 123      | 124      | 125      | 126      | 127      | 128      | 129      | 130      | 131      | 132      | 133      | 134      | 135      | 136      | 137      | 138      | 139      | 140      | 141      | 142      | 143      | 144      | 145      | 146      | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 |
| HSMC_101 | HSMC_102 | HSMC_103 | HSMC_104 | HSMC_107 | HSMC_108 | HSMC_109 | HSMC_110 | HSMC_113 | HSMC_114 | HSMC_115 | HSMC_116 | HSMC_117 | HSMC_119 | HSMC_120 | HSMC_121 | HSMC_122 | HSMC_123 | HSMC_125 | HSMC_126 | HSMC_127 | HSMC_128 | HSMC_131 | HSMC_132 | HSMC_133 | HSMC_134 | HSMC_137 | HSMC_138 | HSMC_139 | HSMC_140 | HSMC_143 | HSMC_144 | HSMC_145 | HSMC_146 | HSMC_149 | HSMC_150 | HSMC_151 | HSMC_152 | HSMC_153 | HSMC_154 | HSMC_155 | HSMC_156 | HSMC_157 | HSMC_158 | HSMC_159 | HSMC_160 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |



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