

Product Name: ZX155-078-QMS Samtec Breakout Adapter

Product Description: 078pins x 2 rows, 156 pin Samtec breakout adapter – Single Ended. Offering QMS connector on a single breakout adapter. Designed in 4 layer PCBoard with full access to all 156 signals.

This module mates with QFS-078, QFS-048 connectors. Both Single ended (-D) and Differential Pair signaling (-DP) connector types are supported.

The Samtec GND pins are connected to the modules top/bottom fill & 2 inner GND planes for reduced xtalk improved signal integrity.

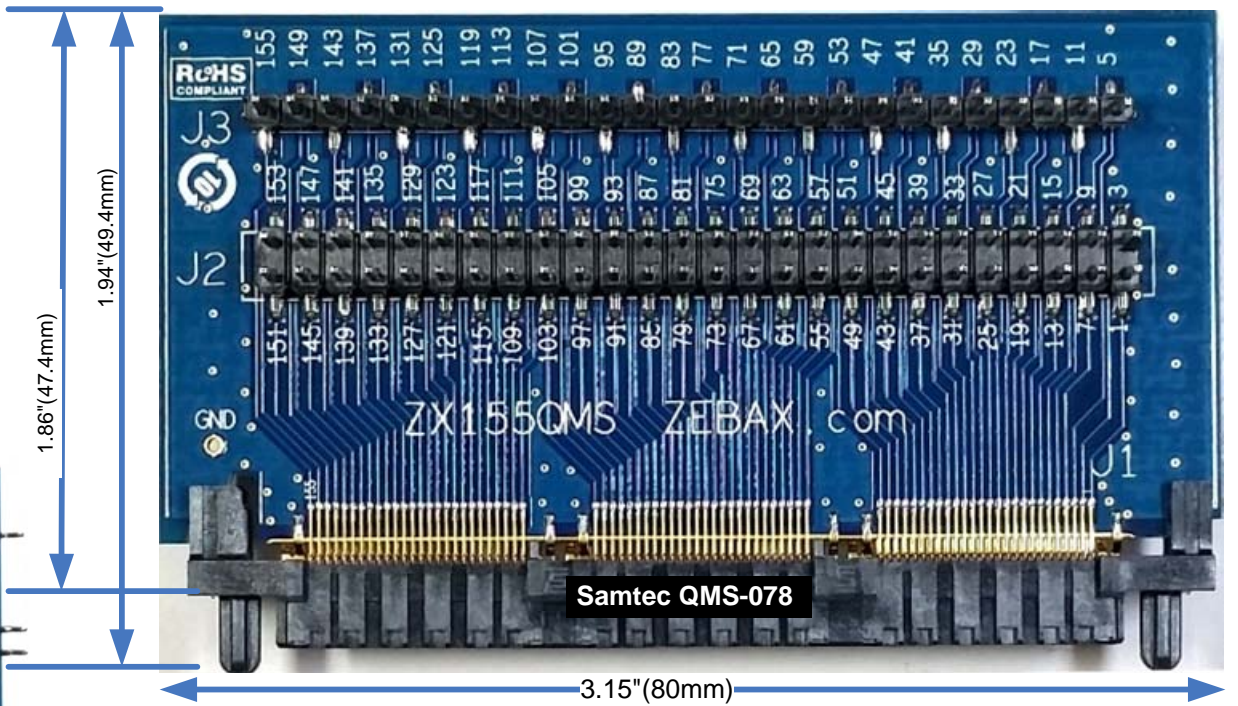
GND test point for direct connection.

Application: Bringup, testing, emulation, development, modular design evaluations

Mates with : Samtec QFS-078 QFS-048 -D -DP

Pitch: 0.635mm (0.025") High Speed connector

Headers: 0.1" (2.54mm) center, 0.025" SQ with 0.22" (5.58mm) post height



Note:
1- Both Single ended (-D) and Differential Pair signaling (-DP) connector types are supported.

ZX155-078-QMS pin configuration

| | | J4 | 155 | 149 | 143 | 137 | 131 | 125 | 119 | 113 | 107 | 101 | 95 | 89 | 83 | 77 | 71 | 65 | 59 | 53 | 47 | 41 | 35 | 29 | 23 | 17 | 11 | 5 |
|--------|---------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| Top | Headers | J3 | 153 | 147 | 141 | 135 | 129 | 123 | 117 | 111 | 105 | 99 | 93 | 87 | 81 | 75 | 69 | 63 | 57 | 51 | 45 | 39 | 33 | 27 | 21 | 15 | 9 | 3 |
| | | J1 | 151 | 145 | 139 | 133 | 127 | 121 | 115 | 109 | 103 | 97 | 91 | 85 | 79 | 73 | 67 | 61 | 55 | 49 | 43 | 37 | 31 | 25 | 19 | 13 | 7 | 1 |
| Bottom | Headers | J6 | 156 | 150 | 144 | 138 | 132 | 126 | 120 | 114 | 108 | 102 | 96 | 90 | 84 | 78 | 72 | 66 | 60 | 54 | 48 | 42 | 36 | 30 | 24 | 18 | 12 | 6 |
| | | J5 | 154 | 148 | 142 | 136 | 130 | 124 | 118 | 112 | 106 | 100 | 94 | 88 | 82 | 76 | 70 | 64 | 58 | 52 | 46 | 40 | 34 | 28 | 22 | 16 | 10 | 4 |
| | | | 152 | 146 | 140 | 134 | 128 | 122 | 116 | 110 | 104 | 98 | 92 | 86 | 80 | 74 | 68 | 62 | 56 | 50 | 44 | 38 | 32 | 26 | 20 | 14 | 8 | 2 |

Header pin numbers refer to the SAMTEC connector pin number

Note
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

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| SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT | ASSEMBLY DRAWING | |
| | ITEM: ZX155-078-QMS | |
| DESCRIPTION: Samtec breakout adapter 078 QMS | | |
| CHECKED: M. MARINA | DRAWN: SLAVIK | REVISION: 1.0 SHEET: 1 OF 1 |

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