

BCD Interface

Option BCD has a rear mounted 50 pin Amphenol connector providing data in a parallel binary-coded-decimal (BCD) format. The outputs are TTL compatible and may drive 1 LS load. The summary of pin functions is provided below and on the schematic number 2053-076 at the back of this manual.

| <u>Pin Number</u> | <u>Data</u> |
|-------------------|---|
| 1 | 1 |
| 2 | 2 |
| 3 | 4 |
| 4 | 8 |
| 6 | 10 |
| 7 | 20 |
| 8 | 40 |
| 9 | 80 |
| 11 | 100 |
| 12 | 200 |
| 13 | 400 |
| 14 | 800 |
| 16 | 1000 |
| 17 | 2000 |
| 18 | 4000 |
| 19 | 8000 |
| 21 | 10000 |
| 22, 40 | 20000 (overrange) |
| 26 | +5 VDC supply |
| 50 | 0 VDC common |
| 35 | End of Conversion on negative transition (A high signifies "Busy") |
| 45 | Display Hold Line (+5V or open = Run; 0V = Hold) |

The BCD outputs are fully compatible with the Valhalla Model 1248 BCD Comparator. When connecting to the comparator using the standard IDC-2 interface cable, the end of the cable possessing the wire break-outs is connected to the Model 1248.