eLABGUY

D9-FC-FC-V1A

RoHS COMPLIANT

1. Description:

D9-FC-FC-V1A is a simple DB9 Female to DB9 Female crossover adapter breakout board. It brings all 9 pins of two DB9 Female connectors to screw terminal blocks and headers for easy testing, prototyping and breadboard connection. Modem to Modem (DCE to DCE) or Null Modem (DTE to DTE) mode can be selected with two jumpers. User can also use the two 5 pins headers on both sides of the breakout board to connect on breadboard or prototype PCB.

2. Features:

- All 10 pins (including shield) of two DB9 Female connectors brought out to headers and screw terminal blocks
- Selectable configuration Modem to Modem (DCE to DCE) or Null Modem (DTE to DTE)
- Various connecting method chosen by users.
- 4 X 2.0mm mounting holes
- 1.21"(30.8mm)X2.04"(51.8mm) board dimensions

Figure 1: Parts inside the kit
(Note: the module is not assembled, user can decide which connector to use on the module.)

3. Parts:

1) *1pc* X **D9-FMC-FMC-V1A PCB**
2) *2pc* X **DB9 Female Connector**
3) *2pc* X **5pin 0.1"(2.54mm) spacing terminal block**
4) *1pc* X **14pin 0.1"(2.54mm) header**
5) 2pc X **0.1"(2.54mm) jumper**
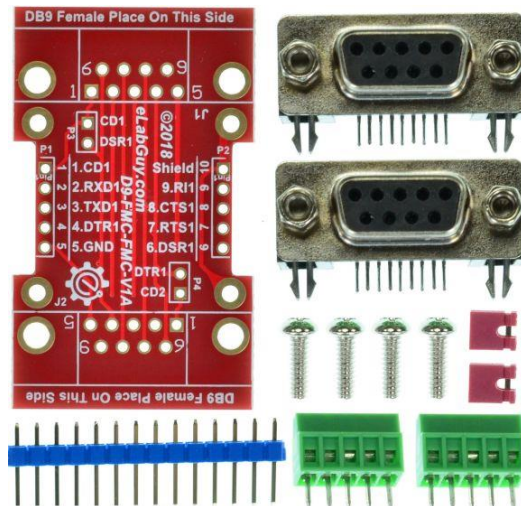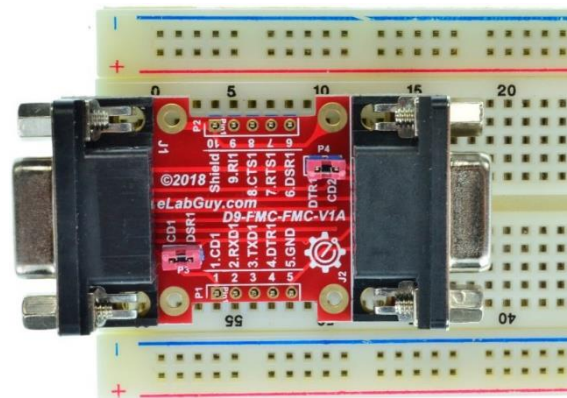6) 4pc X **4-40UNC diameter 8.3mm long screws**

Figure 2: Example of connecting the D9-FC-FC-V1A on a proto PCB (Note: This picture only shows the pins spacing, actual use may not be used on a breadboard)
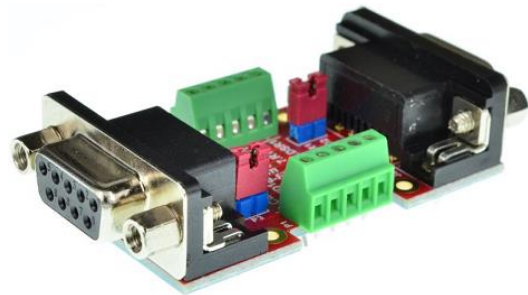
Figure 3: D9-FC-FC-V1A *with headers*

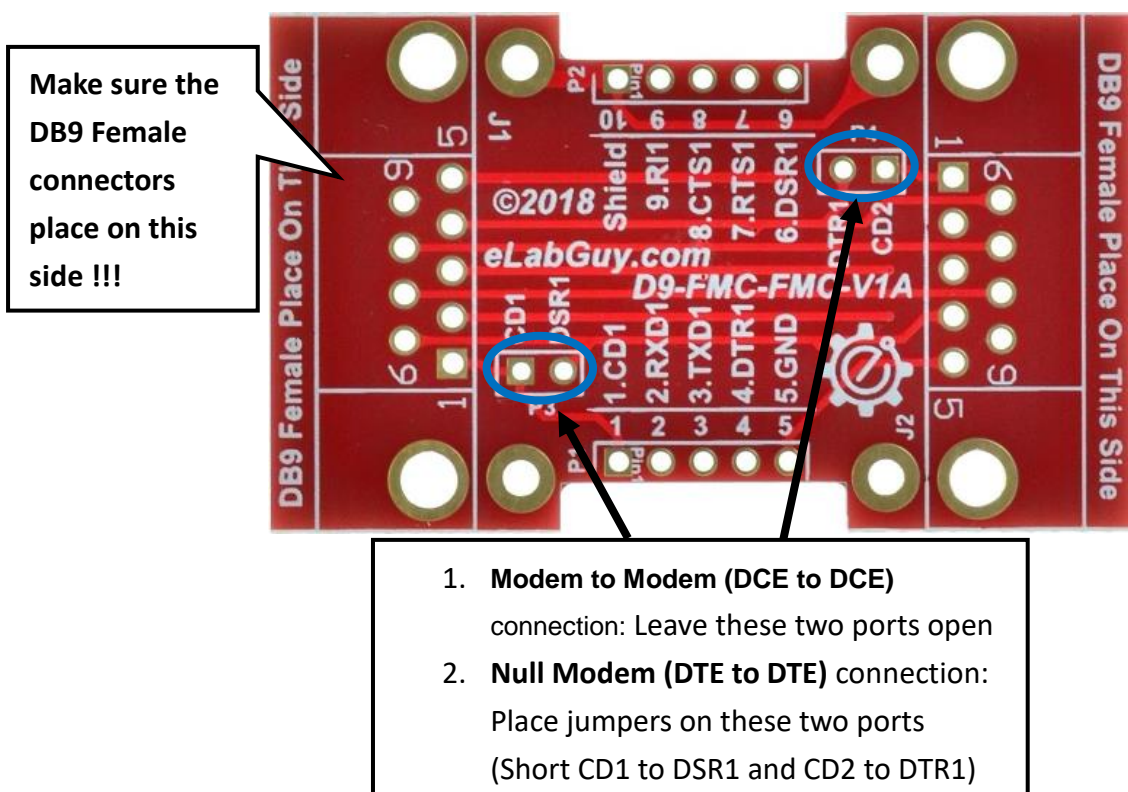*Figure 4:* D9-FC-FC-V1A *with terminal blocks*

Make sure the DB9 Female connectors place on this side !!!

1. **Modem to Modem (DCE to DCE)** connection: Leave these two ports open
2. **Null Modem (DTE to DTE)** connection: Place jumpers on these two ports (Short CD1 to DSR1 and CD2 to DTR1)

Figure 5: Modem to Modem (DCE to DCE) or Null Modem (DTE to DTE)

Related products from eLabGuy:

D9-FC-MC-V1A

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