

MEB/MEB II UART-to-USB Adapter Board Information Sheet

The MEB/MEB II UART-to-USB Adapter Board (AC320101) uses the MCP2200 Breakout Module (ADM00393) to convert USB-to-UART signals that can be accessed directly by the PICtail™ connector on either the Multimedia Expansion Board (MEB) DM320005 or the Multimedia Expansion Board II (MEB II) DM320005-2.

The four jumpers on the board can be used to route the UART signals to either the MEB or MEB II.

For more information, refer to the “MCP2200 Data Sheet” (DS20002228) and the MPC2000 Breakout Module, which are available for download from the Microchip web site at:

<http://www.microchip.com/DevelopmentTools/ProductDetails.aspx?PartNO=ADM00393>.

Table 1 shows the mapping between the PICtail Connector (J1) and the MEB/MEB II configurations.

TABLE 1: HEADER INTERFACE MAPPING

PICtail™ (J1) Pin #	MEB Configuration		PIC32MX Signal Name	MEB II Configuration		PIC32MZ Signal Name
	Signal @ J3	Pin Function		Signal @ J2	Pin Function	
1	+3.3V	+3.3V	+3.3V	+3.3V	+3.3V	+3.3V
2	—	—	—	—	—	—
3	—	—	—	—	—	—
4	—	—	—	—	—	—
5	—	—	—	—	—	—
6	—	—	—	—	—	—
7	—	—	—	MEB2_CTS	SD12/SD14/WIFI_SDO	RPG7
8	—	—	—	—	—	—
9	—	—	—	MEB2_RTS	AN12/SDO2/U2CTS/BT_RTS	RPG8
10	—	—	—	—	—	—
11	—	—	—	MEB2_TxD	AN14/SCK2/U2RX/BT_TX	RPG6
12	—	—	—	—	—	—
13	—	—	—	—	—	—
14	—	—	—	—	—	—
15	—	—	—	—	—	—
16	MEB1_TxD	SDI3A	RF4	—	—	—
17	—	—	—	—	—	—
18	MEB1_RxD	SDO3A	RF5	—	—	—
19	—	—	—	MEB2_RxD	SCK3/U2TX/BT_RX	—
20	MEB1_CTS	SCK3A	RF13	—	—	RPB14
21	—	—	—	—	—	—
22	MEB1_RTS	SS3A/RF12	RF12	—	—	—
23	—	—	—	—	—	—
24	—	—	—	—	—	—
25	—	—	—	—	—	—
26	—	—	—	—	—	—
27	—	—	—	—	—	—
28	—	—	—	—	—	—

Legend: Shaded cells marked with “—” indicate a No Connect.

Americas

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Austin - 512-257-3370
Boston - 774-760-0087
Chicago - 630-285-0071
Cleveland - 216-447-0464
Dallas - 972-818-7423
Detroit - 248-848-4000
Houston - 281-894-5983
Indianapolis - 317-773-8323
Los Angeles - 949-462-9523
New York - 631-435-6000
Phoenix - 480-792-7200
Santa Clara - 408-961-6444
Toronto - 905-673-0699

Europe

Austria - Wels - 43-7242-2244-39
Denmark - Copenhagen - 45-4450-2828
France - Paris - 33-1-69-53-63-20
Germany - Munich - 49-89-627-144-0
Italy - Milan - 39-0331-742611
Netherlands - Drunen - 31-416-690399
Spain - Madrid - 34-91-708-08-90
UK - Wokingham - 44-118-921-5869

Asia/Pacific

Australia - Sydney - 61-2-9868-6733
China - Beijing - 86-10-8569-2100
China - Chengdu - 86-28-8665-5511

Asia/Pacific (Continued)

China - Chengdu - 86-28-8665-5511
China - Chongqing - 86-23-8980-9588
China - Dongguan - 86-769-8702-9880
China - Hangzhou - 86-571-8792-8115
China - Hong Kong SAR - 852-2943-5100
China - Nanjing - 86-25-8473-2460
China - Qingdao - 86-532-8502-7355
China - Shanghai - 86-21-5407-5533
China - Shenyang - 86-24-2334-2829
China - Shenzhen - 86-755-8864-2200
China - Wuhan - 86-27-5980-5300
China - Xiamen - 86-592-2388138
China - Xian - 86-29-8833-7252
China - Zhuhai - 86-756-3210040
India - Bangalore - 91-80-3090-4444
India - New Delhi - 91-11-4160-8631
India - Pune - 91-20-3019-1500
Japan - Osaka - 81-6-6152-7160
Japan - Tokyo - 81-3-6880-3770
Korea - Daegu - 82-53-744-4301
Korea - Seoul - 82-2-554-7200
Malaysia - Kuala Lumpur - 60-3-6201-9857
Malaysia - Penang - 60-4-227-8870
Philippines - Manila - 63-2-634-9065
Singapore - 65-6334-8870
Taiwan - Hsin Chu - 886-3-5778-366
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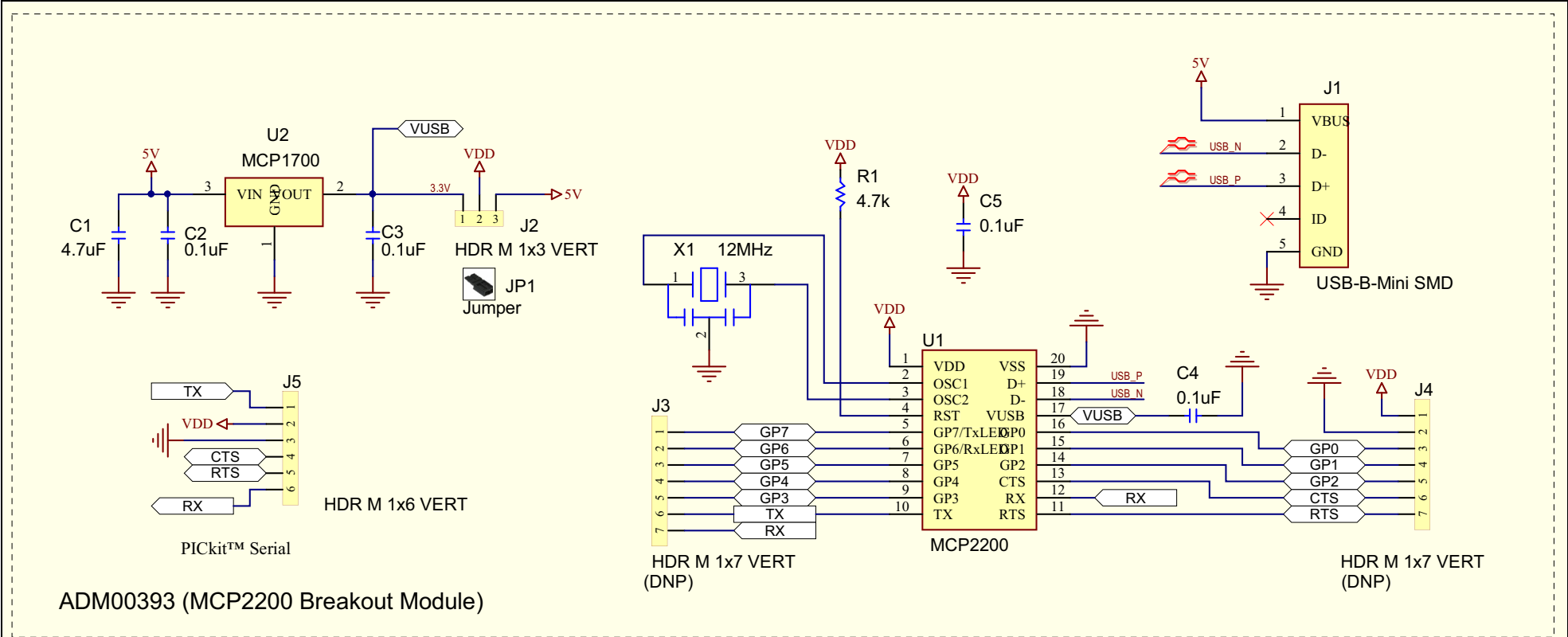
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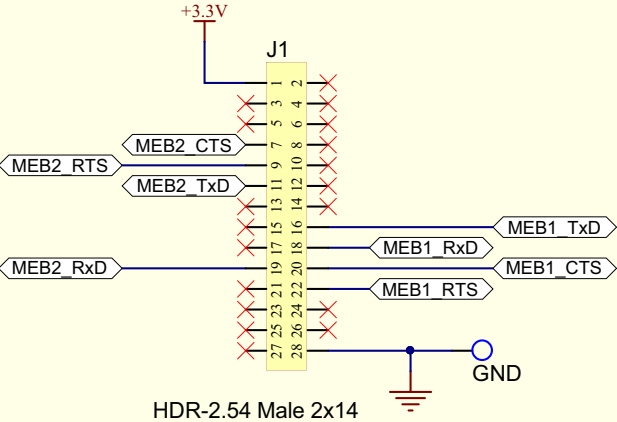
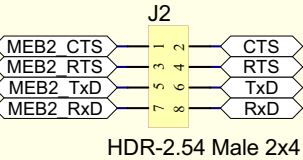
DS50002340A



MEB/MEB II UART-to-USB Adapter Board Schematics



- JP1 Shunt 2.54mm 1x2 Handle
- JP2 Shunt 2.54mm 1x2 Handle
- JP3 Shunt 2.54mm 1x2 Handle
- JP4 Shunt 2.54mm 1x2 Handle



PICtail™ Connector

