SV1

SV2

SV3

SV4

SV5

SV6

SV7

SV8

SV9

SV10

SV11

SV12

Q1
FQP30N06L

Q2
FQP30N06L

Q3
FQP30N06L

Q4
FQP30N06L

R1
10k

R2
10k

R3
10k

R4
10k

Extended PWM Out

PWM Chan #2
PWM Chan #3
PWM Chan #4

J1

J3

J5

J6

+3.3 Vdc
VCC

VDD

MCU1

F-DTR-RST	F-RST	ANT	ANT
F-TX	F-TX	GND'	GND-ALT
F-RX	F-RX	3V3'	3V3-ALT
F-PWR	F-(3.3-9V)	AREF	AREF
F-UNUSED1	F-NC		
F-GND	F-GND		
RST	RST	GND	GND
2	2	VIN	VIN
3	3-(PWM)	3V3	3V3
4	4	1-TX	1-RX
5	5-(PWM)	0-RX	0-TX
6	6-(PWM)	A7	A7
7	7	A6	A6
8	8	A5	A5
9	9-(PWM)	A4	A4
10	10-(NA)	A3	A3
11	11-MO	A2	A2
12	12-MI	A1	A1
13	13-SCK	A0	A0

FTDI

MOTEINO-RFM69

VDD

Loose components above are for
prototyping pads on the board.

NOTE: Jumpers J3-J6 and J8-J10 can be
replaced with appropriate current limiting
resistors if needed.

Added Digital Out

Digital low power #1
Digital low power #2

J7

J9

J10

Basic Connection

PWM Chan #1
PWR (+5 - 12V)
GND

J2

J4

IC1

+5 Vdc with listed part
VDD

| IN | OUT |
| | GND |

C1
10 uF

C2
10 uF

LM7805

Basic remote DMXW node:
- 1-4 high-current (6 A) digital/PWM outputs
- 0-4 low-current (40 mA) digital outputs
- optional 5 Vdc, 1 A voltage regulator (can be exchanged for different regulator (+5 - 12 Vdc)

TITLE: DMXW_Driver_Board

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