Connection Notes
STM32-DVM to Motorola 16/20 pin Accessory Connector

Cable Information:

STM32-DVM	Signal	Simplex	Duplex TX Radio	Duplex RX Radio
1	N/A			
2	→→ TX Audio (Flat / 9600 Baud) →→	5	5	
3	←← DVM Inhibit (Act. Low) ←←	8*		8*
4	←← RSSI ←←	15#		15#
5	→→ PTT →→	3	3	
6	←← RX Audio (Discriminator) ←←	11^		11^
7	N/A			
8	←← Ground →→	7	7	7
9	←← +12V →→	13&		13&

NOTES:

* This pin is "special use" and typically only used in duplex Analog/Digital dual-mode systems.

& Pin 13 can be used/programmed for ignition sense, or to feed power to the STM32-DVM if the optional 12v buck converter has been installed.
DO NOT use on pre-version 3 boards!

^ Ensure JU551 is in position "A" in Motorola Maxtrac style radios.

Only connect for RSSI on CDM series radios.

Suggested "Inversion" Settings:

Model	RXInvert	TXInvert
GM300	0	1
CDM1550	0	0

1	SPEAKER-	
2	EXT_MIC_AUDIO	
3	DIG_IN1	
4	DIG_OUT2 (EXTERNAL_ALARM)	
5	FLAT_TX_AUDIO	
6	DIG_IN_3 = Sel5/MDC	UART_RX = MPT
7	GROUND	
8	DIG_IN_OUT_4 = Sel5/MDC	UART_TX = MPT
9	DIG_IN_5 WITH WAKEUP (EMERGENCY)	
10	DIG_IN_6 WITH WAKEUP (IGNITION)	
11	FLAT/FILTERED_RX_AUDIO	
12	DIG_IN_OUT_7	
13	SWB+	
14	DIG_IN_OUT_8	
15	RSSI	
16	SPEAKER+	
17	BUS+	
18	BOOT_CNTRL	
19	N.C.	
20	N.C.	

PCB

REAR VIEW

Pin 1 to 16 used for standard accessories
Pin 17 to 20 for special use

J0501
ACCESSORY
20-PIN CONNECTOR