



MTX-ACCESORIES

Datasheet for several pins
complex cables

DATA CABLES



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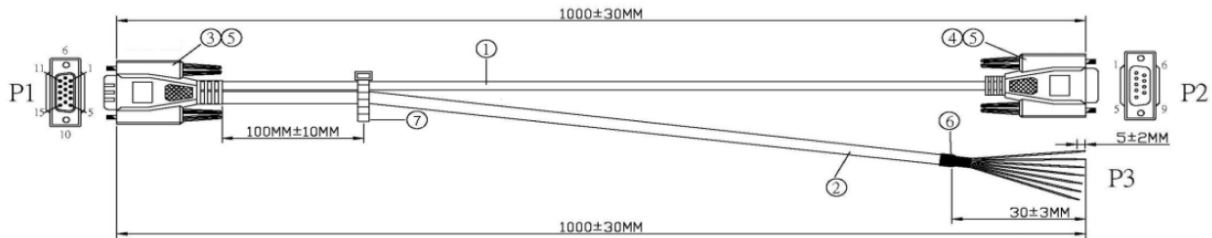
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CABLE PORT ADAPTERS

● 1. Cable PORT ADAPTER - RS232 Serial Cable + 9x Flying Leads

HD15 male connector connected to DB9 female connector (5 signal RS232 serial connection) and 9 flying leads.



PART NUMBER	DESCRIPTION
118001032	MTX-T ACC data cable DB15HDM - DB9F + 9x flying leads

Table of connections:

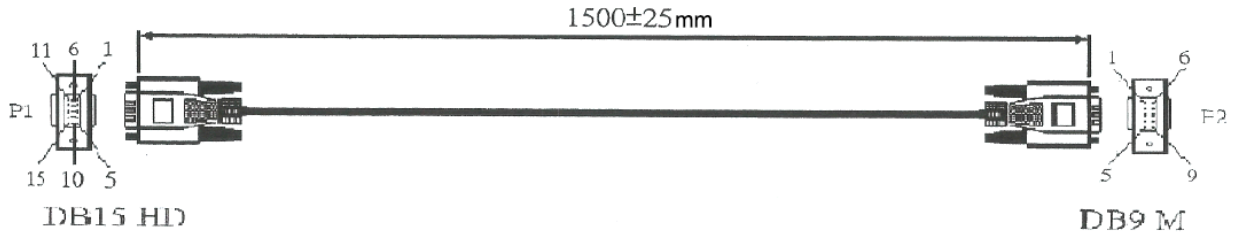
MTX-GATEWAY	MTX-GTW	MTX-IOT	DBHD15M (P1)	DB9 F (P2)	FLYING LEAD (P3)
				Pin	RS232
			1		
RX 0	RX 0	RD 1	2	2	RX
TX 0	TX 0	TD 1	3	3	TX
TX 1	TX 1	IN 1	4		Purple
1-Wire	1-Wire	OUT 3	5		Yellow
			6		
RTS 0	RTS 0	RTS 1	7	7	RTS
CTS 0	CTS 0	CTS 1	8	8	CTS
RX 1	RX 1	INS	9		Grey
VCC_OUT	VCC_OUT	VEXT	10		Red
	RL_COM	IN 2	11		Brown
TX 2	TX 2	OUT 4	12		Orange
RX 2	RX 2	ADC 2	13		Blue
GND	GND	GND	14	5	GND
	RL_NA	ADC 1	15		Green

1.1 Legacy Models

MTX-65i	MTX-65i- RS485	MTX-65i-G	MTX-65i-G	DBHD15M (P1)	DB9 F (P2)	FLYING LEAD (P3)	
MTX-3G-JAVA	MTX-3G- JAVA-RS485	MTX-3G- JAVA-ULP	MTX-3G- JAVA		Pin	RS232	
					1		
RX 1	RX 0	RX 1	RX 0		2	2 RX	
TX 1	TX 0	TX 1	TX 0		3	3 TX	
GPIO 1		GPIO 1	IO 1		4		Purple
GPIO 3	OUT 3	GPIO 3	OUT 2		5		Yellow
					6		
SPIDI	RTS 0	RTS 1	RTS 0		7	7 RTS	
SPICS	CTS 0	CTS 1	CTS 0		8	8 CTS	
VEXT	IN 10	DAC_OUT	ADC 2_IN		9		Grey
DAC_OUT	VEXT	VEXT	VEXT		10		Red
GPIO 2	IN 2	GPIO 2	IN 2		11		Brown
GPIO 4	OUT 4	GPIO 4	OUT 3		12		Orange
ADC 2_IN	ADC 2_IN	GPIO 10	IN 3		13		Blue
GND	GND	GND	GND		14	5 GND	Black
ADC 1_IN	ADC 1_IN	ADC 1_IN	ADC 1_IN		15		Green

● 2. Cable PORT ADAPTER - RS232 Serial Cable

HD15 male connector connected to DB9 male connector (5 signal RS232 serial connection).



PART NUMBER	DESCRIPTION
118008541	MTX-T ACC data cable DB15HDM - DB9M

Table of connections:

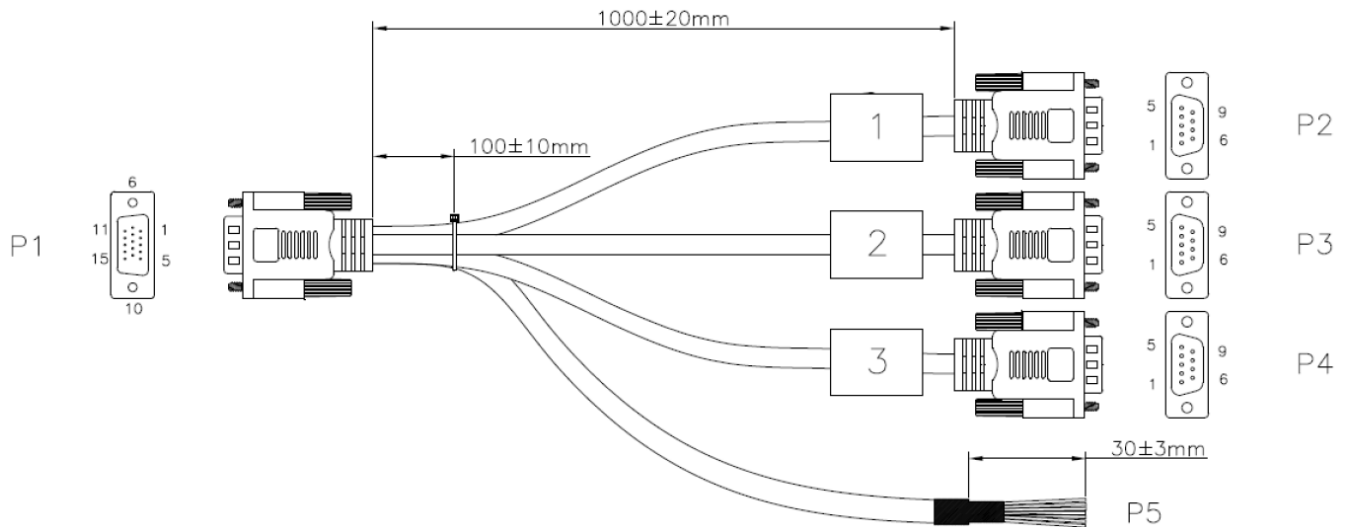
MTX-GATEWAY	MTX-GTW	MTX-IOT	DBHD15M (P1)	DB9 F (P2)	
				Pin	RS232
			1		
RX 0	RX 0	RD 1	2	2	RX
TX 0	TX 0	TD 1	3	3	TX
TX 1	TX 1	IN 1	4		
1-Wire	1-Wire	OUT 3	5		
			6		
RTS 0	RTS 0	RTS 1	7		
CTS 0	CTS 0	CTS 1	8		
RX 1	RX 1	INS	9		
VCC_OUT	VCC_OUT	VEXT	10		
	RL_COM	IN 2	11		
TX 2	TX 2	OUT 4	12		
RX 2	RX 2	ADC 2	13		
GND	GND	GND	14	5	GND
	RL_NA	ADC 1	15		

2.1 Legacy Models

MTX-65i	MTX-65i-RS485	MTX-65i-G	MTX-65i-G	DBHD15M (P1)	DB9 F (P2)	
MTX-3G-JAVA	MTX-3G-JAVA-RS485	MTX-3G-JAVA-ULP	MTX-3G-JAVA		Pin	RS232
				1		
RX 1	RX 0	RX 1	RX 0	2	2	RX
TX 1	TX 0	TX 1	TX 0	3	3	TX
GPIO 1		GPIO 1	IO 1	4		
GPIO 3	OUT 3	GPIO 3	OUT 2	5		
				6		
SPIDI	RTS 0	RTS 1	RTS 0	7		
SPICS	CTS 0	CTS 1	CTS 0	8		
VEXT	IN 10	DAC_OUT	ADC 2_IN	9		
DAC_OUT	VEXT	VEXT	VEXT	10		
GPIO 2	IN 2	GPIO 2	IN 2	11		
GPIO 4	OUT 4	GPIO 4	OUT 3	12		
ADC 2_IN	ADC 2_IN	GPIO 10	IN 3	13		
GND	GND	GND	GND	14	5	GND
ADC 1_IN	ADC 1_IN	ADC 1_IN	ADC 1_IN	15		

● 3. Cable PORT ADAPTER - 3x RS232 Serial Cable

HD15 male connector connected to: 3x DB9 female connector (5 signal RS232 serial connection), 7x flying leads. conductor current rating < 1.5A DC, 26 AWG.



PART NUMBER	DESCRIPTION
118001101	MTX-T ACC data cable DB15HDM - 3x DB9M + 7 flying leads

Table of connections:

MTX-GATEWAY	MTX-GTW	MTX-JAVA-IOT	DBHD15M (P1)	DB9 M-1 (P2)		DB9 M-2 (P3)		DB9 M-3 (P4)		FLYING LEAD (P5)
				Pin	RS232	RS485	Pin	RS232	Pin	
CAN H	CAN H		1							White
RX 0	RX 0	RD 1	2	2	RX 0					
TX 0	TX 0	TD 1	3	3	TX 0	D (-)				
TX 1	TX 1	IN 1	4				3	TX 1		
1-WIRE	1-WIRE	OUT 3	5							Yellow
CAN L	CAN L		6							Blue
RTS 0	RTS 0	RTS 1	7	7	RTS 0	D (+)				
CTS 0	CTS 0	CTS 1	8	8	CTS 0					
RX 1	RX 1	INS	9				2	RX 1		
VCC_OUT	VCC_OUT	VEXT	10							Red
	RL_COM	IN 2	11							Green
TX 2	TX 2	OUT 4	12					3	TX 2	
RX 2	RX 2	ADC 2	13					2	RX 2	
GND	GND	GND	14	5	GND			5	GND	Black
	RL_NA	ADC 1	15					5	GND	Orange

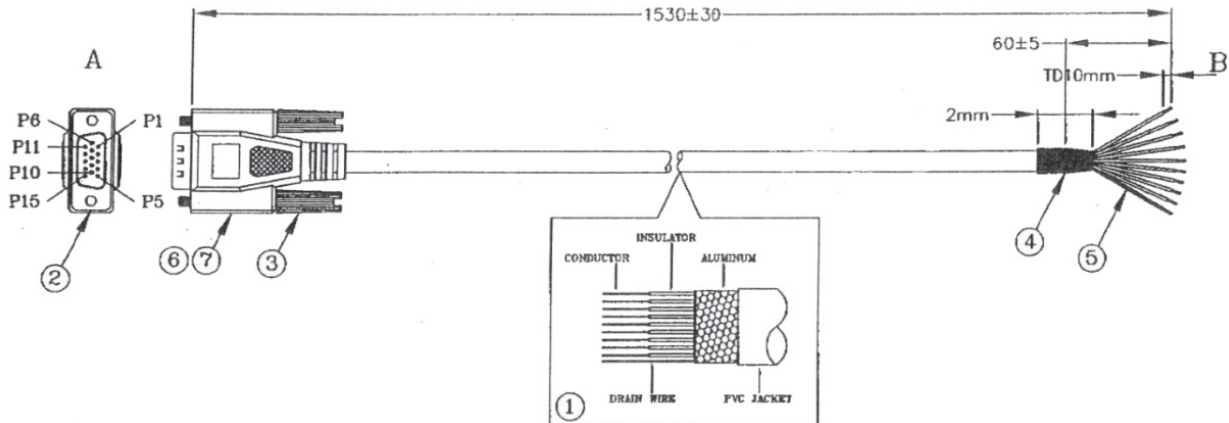
3.1 Legacy Models

MTX-65i	MTX-65i- RS485	DBHD15M (P1)	DB9 M-1 (P2)		DB9 M-2 (P3)		DB9 M-3 (P4)		FLYING LEAD (P5)
MTX-3G- JAVA	MTX-3G- JAVA-RS485		Pin	RS232	RS485	Pin	RS232	Pin	RS232
		1							White
RX 1	RX 0	2	2	RX 0					
TX 1	TX 0	3	3	TX 0	D (-)				
GPIO 1		4				3	TX 1		
GPIO 3	OUT 3	5							Yellow
		6							Blue
SPIDI	RTS 0	7	7	RTS 0	D (+)				
SPICS	CTS 0	8	8	CTS 0					
VEXT	IN 10	9				2	RX 1		
DAC_OUT	VEXT	10							Red
GPIO 2	IN 2	11							Green
GPIO 4	OUT 4	12						3	TX 2
ADC 2_IN	ADC 2_IN	13						2	RX 2
GND	GND	14	5	GND				5	GND
ADC 1_IN	ADC 1_IN	15				5	GND		Orange

MTX-65i-G	MTX-65i-G	DBHD15M (P1)	DB9 M-1 (P2)			DB9 M-2 (P3)		DB9 M-3 (P4)		FLYING LEAD (P5)
MTX-3G- JAVA-ULP	MTX-3G- JAVA		Pin	RS232	RS485	Pin	RS232	Pin	RS232	
		1								White
RX 1	RX 0	2	2	RX 0						
TX 1	TX 0	3	3	TX 0	D (-)					
GPIO 1	IO 1	4				3	TX 1			
GPIO 3	OUT 2	5								Yellow
		6								Blue
RTS 1	RTS 0	7	7	RTS 0	D (+)					
CTS 1	CTS 0	8	8	CTS 0						
DAC_OUT	ADC 2_IN	9				2	RX 1			
VEXT	VEXT	10								Red
GPIO 2	IN 2	11								Green
GPIO 4	OUT 3	12						3	TX 2	
GPIO 10	IN 3	13						2	RX 2	
GND	GND	14	5	GND				5	GND	Black
ADC 1_IN	ADC 1_IN	15				5	GND			Orange

● 4. Cable PORT ADAPTER - 9x Flying Leads

MTX-T ACC Data Cable DB15HDM - 9x flying leads.



PART NUMBER	DESCRIPTION
118001004	MTX-T ACC data cable DB15HDM - 9x flying leads - 1.5m

Table of connections:

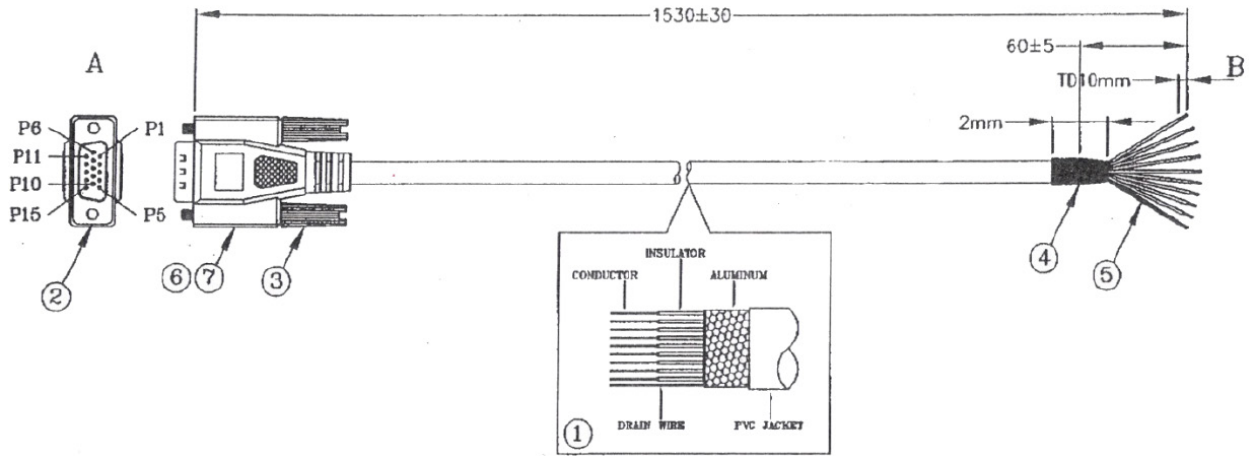
MTX-GATEWAY	MTX-GTW	MTX-IOT	DBHD15M	FLYING LEAD	RS232 def.
CAN H	CAN H		1	Brown	DCD
RX 0	RX 0	RD 1	2	Red	RX
TX 0	TX 0	TD 1	3	Orange	TX
TX 1	TX 1	IN 1	4		
1-WIRE	1-WIRE	OUT 3	5		
CAN L	CAN L		6	Yellow	DSR
RTS 0	RTS 0	RTS 1	7	Green	RTS
CTS 0	CTS 0	CTS 1	8	Blue	CTS
RX 1	RX 1	INS	9		
VCC_OUT	VCC_OUT	VEXT	10	Purple	RI
	RL_COM	IN 2	11		
TX 2	TX 2	OUT 4	12		
RX 2	RX 2	ADC 2	13	Gray	DTR
GND	GND	GND	14	White	GND
	RL_NA	ADC 1	15		

4.1 Legacy Models

MTX-65i	MTX-65i- RS485	MTX-65i-G	MTX-65i-G	DBHD15M	FLYING LEAD	RS232 def.
MTX-3G- JAVA	MTX-3G- JAVA-RS485	MTX-3G- JAVA-ULP	MTX-3G- JAVA			
				1	Brown	DCD
RX 1	RX 0	RX 1	RX 0	2	Red	RX
TX 1	TX 0	TX 1	TX 0	3	Orange	TX
GPIO 1		GPIO 1	IO 1	4		
GPIO 3	OUT 3	GPIO 3	OUT 2	5		
				6	Yellow	DSR
SPIDI	RTS 0	RTS 1	RTS 0	7	Green	RTS
SPICS	CTS 0	CTS 1	CTS 0	8	Blue	CTS
VEXT	IN 10	DAC_OUT	ADC 2_IN	9		
DAC_OUT	VEXT	VEXT	VEXT	10	Purple	RI
GPIO 2	IN 2	GPIO 2	IN 2	11		
GPIO 4	OUT 4	GPIO 4	OUT 3	12		
ADC 2_IN	ADC 2_IN	GPIO 10	IN 3	13	Gray	DTR
GND	GND	GND	GND	14	White	GND
ADC 1_IN	ADC 1_IN	ADC 1_IN	ADC 1_IN	15		

● 5. Cable PORT ADAPTER - 15x Flying Leads

DBHDB15 male connector connected to 15 flying leads.



PART NUMBER	DESCRIPTION
118001092	MTX-T ACC data cable DB15HDM - 15x flying leads - 1.5m

Table of connections:

MTX-GATEWAY	MTX-GTW	MTX-IOT	DBHD15M	FLYING LEAD	RS232 def.
CAN H	CAN H		1	Brown	DCD
RX 0	RX 0	RD 1	2	Brown/Black	RX
TX 0	TX 0	TD 1	3	White/Black	TX
TX 1	TX 1	IN 1	4	Purple	
1-WIRE	1-WIRE	OUT 3	5	Yellow	
CAN L	CAN L		6	Light Blue	DSR
RTS 0	RTS 0	RTS 1	7	Yellow/Black	RTS
CTS 0	CTS 0	CTS 1	8	Gray/Black	CTS
RX 1	RX 1	INS	9	Gray	
VCC_OUT	VCC_OUT	VEXT	10	Red	RI
	RL_COM	IN 2	11	White	
TX 2	TX 2	OUT 4	12	Orange	
RX 2	RX 2	ADC 2	13	Pink	DTR
GND	GND	GND	14	Black	GND
	RL_NA	ADC 1	15	Light green	

5.1 Legacy Models

MTX-65i	MTX-65i- RS485	MTX-65i-G	MTX-65i-G	DBHD15M	FLYING LEAD	RS232 def.
MTX-3G- JAVA	MTX-3G- JAVA-RS485	MTX-3G- JAVA-ULP	MTX-3G- JAVA			
				1	Brown	DCD
RX 1	RX 0	RX 1	RX 0	2	Brown/Black	RX
TX 1	TX 0	TX 1	TX 0	3	White/Black	TX
GPIO 1		GPIO 1	IO 1	4	Purple	
GPIO 3	OUT 3	GPIO 3	OUT 2	5	Yellow	
				6	Light Blue	DSR
SPIDI	RTS 0	RTS 1	RTS 0	7	Yellow/Black	RTS
SPICS	CTS 0	CTS 1	CTS 0	8	Gray/Black	CTS
VEXT	IN 10	DAC_OUT	ADC 2_IN	9	Gray	
DAC_OUT	VEXT	VEXT	VEXT	10	Red	RI
GPIO 2	IN 2	GPIO 2	IN 2	11	White	
GPIO 4	OUT 4	GPIO 4	OUT 3	12	Orange	
ADC 2_IN	ADC 2_IN	GPIO 10	IN 3	13	Pink	DTR
GND	GND	GND	GND	14	Black	GND
ADC 1_IN	ADC 1_IN	ADC 1_IN	ADC 1_IN	15	Light green	

DATA CONNECTOR ADAPTERS

● 1. DB15HDM ADAPTER - Terminal Block 16 pins



PART NUMBER	DESCRIPTION
118001115	MTX-T ACC adapter DB15HDM - Terminal Block 16 pins

Table of connections:

DB15M	Terminal block
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
G	16

● 2. DB15HDM ADAPTER - DB9F



PART NUMBER	DESCRIPTION
118001007	MTX-T ACC adapter DB15HDM - DB9F

Table of connections:

DB9M	DB15F	RS232
1	1	DCD
2	2	RX
3	3	TX
4	13	DTR
5	14	GND
6	6	CTS
7	7	RTS
8	8	CTS
9	10/11	RI
G	G	