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Tesla Model 3 CANbus layout
Rev 32.2.1 dd 19-09-2019

		Byte 7								Byte 6								Byte 5								Byte 4								Byte 3								Byte 2								Byte 1								Byte 0							
	Bit	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
CANID	DLC																																																																				
0x108																										R torque (108) * 0.22222 Nm																																													
0x118																track				park			tract.ctrl			Pedalposition * 0.4 %											immobil		brake						drivegear			pedal			drivestate																	
0x132																		rawBattCurrent * 0.05 -500 A (s16)																smooth battery current * 0.1 A (s16)																				battery voltage * 0.01 Volt (u12)													
0x154													R torque (-1024) * 0.25 Nm																																																									
0x1D4													F torque (-1024) * 0.25 Nm																																																									
0x212		Battery temp * 0.5 – 40 C																ChargePowerAvail212 * 0.125 kW															hargeStatu						Isolation R212 kR																state212				contct212											
0x241																																			Powertrain flow * 0.1 lpm																												Battery flow * 0.1 lpm							
0x244					FastCharge Min Voltage * 0.073242																FastCharge Max Voltage * 0.073242																		FastCharge Current Limit * 0.073242 A																FastCharge Power Limit * 0.06226 kW													
0x252																																		Max discharge power / 100.0 kW																				Max regen power / 100.0 kW													
0x257																																		UI Speed (ABS)								Speed * 0.08 – 40 kmh																											
0x261		12v Batt Current * 0.005 A																		12v Batt AmpHours * 0.01 Ah																		12v Batt Temp * 0.01 C																		12v Batt voltage * 0.005444											
0x264	6																							CurrentLimit * 0.1 A										ChargeLinePower * 0.1 kW								ChargeLineCurrent * 0.1 A																ChargeLineVoltage * 0.0333 V											
0x266										Rear heat power * 0.08																														Rear power * 0.05																								12V at rear inverter * 0.1 V							
0x268																																		Sys max regen power kW								Sys max drive power kW								Sys heat power * 0.08 kW								Sys max heat power * 0.08 kW							
0x292	8																									SOC avg * 0.1 %											SOC max * 0.1 %											SOC min * 0.1 %												SOC UI * 0.1 %							
0x2E5										Front heat power * 0.08								FRHeatPwrMax * 0.08 kW								FR heatpoweroptim * 0.08 kW																Front power * 0.5 kW								Front power dissip * 0.125 kW								Front12VInverter * 0.1 V							
0x318	8																	Minutes 0-59								Day 1-31											Hour 0-23								Seconds 0-59								Month 1-12								Year 2 digits							
0x321																		Outside tmp filtrd * 0.5 – 40 C																Ambient temp * 0.5 – 40 C												Powertrain inlet * 0.125 -40 C								Battery inlet * 0.125 – 40 C							
0x332																		CellTemp2 * 0.5 – 40 C								CellTemp1 * 0.5 -40 C								CellTempMin * 0.5 – 40								CellTempMax * 0.5 – 40 C																										0
0x332																																						CellVoltMin * 2 mV																CellVoltMax * 2 mV												1
0x333																																								UichargeToSOC * 0.1 %																UichargeCurrentLimit A											
0x336																																										DriveRegenRating -100 kW																				DrivePowerRating kW							
0x352								Energy buffer * 0.1 kWh								To charge complete * 0.1 kWh										Ideal remaining * 0.1 kWh											Expected remaining * 0.1 kWh												Nominal remaining * 0.1 kWh								Nominal full pack * 0.1 kWh							
0x376										Stator temp % * 0.4 C								Inverter temp % * 0.4								Inverter heatsink temp4 – 40C								Capbank temp -40 C								Stator temp3 – 40 C												Inverter temp2 – 40 C								Inverter PCB temp1 – 40 C							
0x3B6																																		Odometer m																															
0x3D2		Charge total Wh																																Discharge total Wh																															
0x3F2																										AC charge total Wh																																								0
0x3F2																										DC charge total Wh																																								1
0x3F2																										Regen total Wh																																								2
0x3F2																										Drive total Wh																																								3
0x3FE																										RR brake est -40 C											RL brake est -40 C								FR brake est – 40 C												FL brake est -40 C							
0x405	8	VIN3								VIN2								VIN1								00								00								00								00								10							
0x405	8	VIN10								VIN9								VIN8								VIN7								VIN6								VIN5								VIN4								11							
0x405	8	VIN17								VIN16								VIN15								VIN14								VIN13								VIN12								VIN11								12							