

Digital Internal Port

DIN_Crank	DIN_Crank
DIN_HandleStop	DIN_HandleStop
DIN_HandleStart	DIN_HandleStart
DIN_HandleWork	DIN_HandleWork
DIN_Brake	DIN_Brake
DIN_FuelMode	DIN_FuelMode
DIN_OilGas	DIN_OilGas

Analog Internal Port

AIN_AirPress	AIN_AirPress
AIN_GasPress	AIN_GasPress
AIN_AirTemp	AIN_AirTemp
AIN_GasTemp	AIN_GasTemp
AIN_GasTemp	AIN_GasTemp
AIN_SpeedPosition	AIN_SpeedPosition
AIN_EngineOilPress	AIN_EngineOilPress
AIN_WaterTemp	AIN_WaterTemp
AIN_EngineOilTemp	AIN_EngineOilTemp
AIN_LiquidPress	AIN_LiquidPress
AIN_OilGas	AIN_OilGas
AIN_GunPosition	AIN_GunPosition
AIN_Battery	AIN_Battery

SwitchValve Internal Port

DIN_SwitchValve	DIN_SwitchValve
DOUT_SwitchValve	DOUT_SwitchValve

SwitchValve Internal Port

DOUT_AD420_Clear	DOUT_AD420_Clear
DOUT_AD420_Latch	DOUT_AD420_Latch
DOUT_AD420_Check	DOUT_AD420_Check
DOUT_AD420_Drain	DOUT_AD420_Drain
DIN_AD420_DataIn	DIN_AD420_DataIn
DIN_AD420_DataOut	DIN_AD420_DataOut

PowerValve Internal Port

AIN_PowerControlFeedback_TPS1	AIN_PowerControlFeedback_TPS1
AIN_PowerControlFeedback_TPS2	AIN_PowerControlFeedback_TPS2
DOUT_L6201_IN	DOUT_L6201_IN
DOUT_L6201_IN1	DOUT_L6201_IN1
DOUT_L6201_IN2	DOUT_L6201_IN2

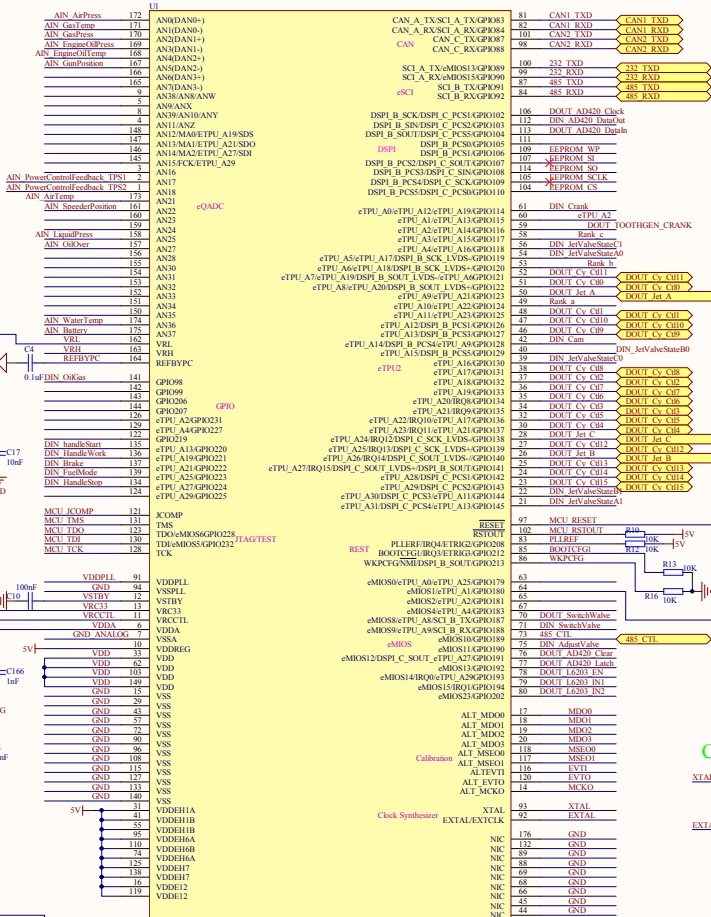
Com_Internal Port

232_TXD	232_TXD
232_RXD	232_RXD
485_RXD1	485_RXD1
485_CTI	485_CTI
485_TXD1	485_TXD1
CAN1_TXD	CAN1_TXD
CAN1_RXD	CAN1_RXD
CAN2_TXD	CAN2_TXD
CAN2_RXD	CAN2_RXD

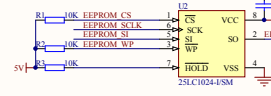
Jet Valve Internal Port

DIN_JetValveStateA0	DIN_JetValveStateA0
DIN_JetValveStateB0	DIN_JetValveStateB0
DIN_JetValveStateA1	DIN_JetValveStateA1
DIN_JetValveStateB1	DIN_JetValveStateB1
DIN_JetValveStateA2	DIN_JetValveStateA2
DIN_JetValveStateB2	DIN_JetValveStateB2

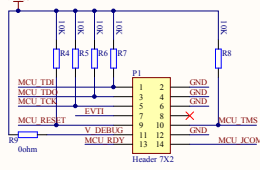
MCU



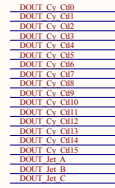
External EEPROM



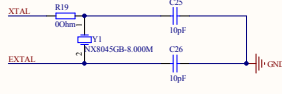
JTAG



Jet Valve External Port



Crystal Reference



Size	Number	Revision
A2		
Date:	2016-2-17	Sheet of
File:	F:\eagle_MPC5634M	SchDoc
		Drawn by

Bill of Materials		<Parameter Title not found>			
Source Data From: Gas_ECU1306_PyrPCB					
Project: Gas_ECU1306_PyrPCB					
Variant: None					
Creation Date: 2018-2-17		18:48:55			
Print Date: 4/24/17		43417.70144			
Footprint	Comment	LibPart	Designator	Description	Quantity
0603C	0.1uF	CAP	C1, C2, C4, C5, C9, C13, C27, C28, C31, C33, C35, C37, C39, C41, C43, C45, C48, C63, C67, C68, C69, C80, C83, C85, C86, C87, C93, C94, C96, C77, C78, C88, C81, C82, C86, C87, C88, C89, C92, C93, C96, C99, C100, C105, C115, C116, C117, C118, C125, C130, C133	Capacitor	61
0603C	100nF	CAP	C4, C17	Capacitor	2
7343-31	22uF/16V	EC1	C1	Electro Capacitor	1
0603C	100nF	CAP	C10, C20, C21, C22, C23	Capacitor	5
0603C	15uF/6.3V	Cap Pol1	C12	Polarized Capacitor (Radial)	1
3225C(1210)	6.7uF/6.3V	Cap Pol1	C14, C18, C19, C24	Polarized Capacitor (Radial)	4
0603C	880pF	CAP_3	C15	Capacitor	1
0603C	220nF	CAP	C16	Capacitor	7
0603C	10uF	CAP	C25, C26, C196, C197, C198, C199, C100	Capacitor	1
0603C	10uF	CAP	C28, C30, C32, C34, C36, C38, C40, C42, C44, C46, C196	Capacitor	11
RB-5.010.0	100uF/100V	Cap Pol1	C4	Polarized Capacitor (Radial)	1
0603C	0.22uF	CAP	C49	Capacitor	1
0603C	4700pF	CAP	C20, C54, C55, C56, C61, C62, C64, C66, C68, C71, C72, C74, C75, C101, C107, C108, C119, C120, C121, C123, C124, C128, C129	Capacitor	23
0603C	1500pF	CAP	C91, C92, C91, C96, C96, C102, C103, C104, C105, C106, C110, C110, C111, C112, C113, C114, C122, C126, C127	Capacitor	18
0603C	0.01uF	CAP	C83, C84, C85, C136, C137	Capacitor	5
0603C	0.033uF	CAP	C81, C109	Capacitor	2
0603C	100pF	CAP	C132, C133, C138, C140	Capacitor	4
C-198	330uF/100V	EC1	C142, C143	Bleedoff Capacitor	2
C-R4	0.1uF/100V	CAP	C143, C144	Capacitor	4
7343-31	47uF/16V	EC1	C146, C147	Electro Capacitor	2
SC20R2650	5	EC1	C148	Electro Capacitor	1
7343-31	100uF/6.3V	EC1	C149, C150, C154, C220	Electro Capacitor	4
0603C	1uF	CAP	C161, C162, C163, C164	Capacitor	4
0603C	1.5nF	CAP	CP01	Capacitor	1
SMA	1N5819	DIODE, Diode	D1, D2, D10, D14	D, Schottky Rectifier	4
1N4148	1N4148	DIODE, Diode	D3, D4, D5, D6, D7	D	5
SMA	5MVAJ5-DA	Diode 11DQ03	D8	TVS/DV	1
MURS320T3	MURS320T3	DIODE, Diode	D9	D	1
LM7805	BYV32-100M	BYV32-100M	D11	D	1
T0203W					1
DO-204AL	SA32A	Diode 11DQ03	D12	TVS28V	1
3.2x1.6x1.1	LEU2	LEDZ	D13, D64	Typical RED, GREEN, YELLOW, AMBER GaIn LED	2
1206R	FB	FB, FB_4, FB19, FB20, FB102, 102Y-S	FB1, FB2, FB3, FB6, FB7, FB9, FB9, FB10, FB11, FB12, FB13, FB14, FB15, FB16, FB17, FB18, FB19, FB20, FB21, FB22, FB23, FB24, FB25, FB26, FB27, FB28, FB29, FB30, FB31, FB32, FB33, FB34, FB35, FB36, FB37, FB38, FB39, FB40, FB41, FB42, FB43, FB44, FB45, FB46	Ferrite Beads	72
LQ-H50D06S	LQ-H50SNR68M	FB	FB4, FB5	Ferrite Beads	2
L0.3	88uH	IND		Inductance	1
HER207	Header 7X2	Header 7X2	H1	Header, 7-Pin, Dual row	1
HER2002	Header 20X2	Header 20X2	H2	Header, 20-Pin, Dual row	1
DJF2011.8	Header 15X2	Header 15X2	H3	Header, 15-Pin, Dual row	1
10AW	Header 12X2	Header 12X2	H5	Header, 12-Pin, Dual row	1
DJF2411.8	Header 10X2	Header 10X2	H6	Header, 10-Pin, Dual row	1
10AW	Header 10X2	Header 10X2	H7	Header, 10-Pin, Dual row	1
DJF2011.8	Header 7X2	Header 7X2	H7	Header, 7-Pin	1
10AW	Header 7X2	Header 7X2	H7	Header, 7-Pin	1
7PM-D0K	80C98	80C98	Q21	NPN Medium Power Transistor	1
SOT23-3	8013S	8013S	Q2, Q2-1	NPN Transistor	2
TD-226-AA	NPN	NPN	Q22	NPN Bipolar Transistor	1
0603R	10K	RES-1	R1, R2, R3, R4, R6, R6, R7, R8, R10, R11, R12, R13, R16, R26, R26-1, R66, R75, R80, R82, R84, R103, R104, R109	Resistor	23
0603R	0ohm	RES-1	R9, R14, R19	Resistor	3
0603R	15	RES-1	R11	Resistor	1
0603R	4.7k	RES-1	R15, R25, R30, R31, R32, R36, R37, R38, R45, R46, R47, R48, R49, R50, R51, R52, R61, R65, R87, R89	Resistor	20
0603R	1k	RES-1	R13, R1	Resistor	1
0603R	510R	RES-1, RES-4	R20, R25	Resistor	2
0603R	5.1k	RES-1	R21, R23, R27, R27-1	Resistor	7
0603R	100K	RES-1	R22, R24, R26, R29, R33, R35	Resistor	2
0603R	220R	RES-1	R38, R40, R41, R42, R43, R44, R53, R54, R55, R56, R57, R58, R59, R60	Resistor	14
0603R	2.49k-1%	RES-1	R61, R64, R67, R73	Resistor	4
0603R	38.3k-1%	RES-1	R63, R69, R71, R76	Resistor	4
0603R	80k-1%	RES-1	R65	Resistor	1
0603R	10k-1%	RES-1	R68	Resistor	1
0603R	68K	RES-1	R72, R77, R78, R83	Resistor	1
0603R	680K	RES-1	R74, R79, R80, R84	Resistor	4
0603R	47K	RES-1	R83, R86, R88	Resistor	3
0603R	75K	RES-1	R91, R93, R106, R113	Resistor	4
0603R	1K-1/1	RES-1	R96	Resistor	1
0603R	6.3k-1%	RES-1	R97	Resistor	1
0603R	33R	RES-1	R99, R100, R101, R102, R105, R107, R108, R111	Resistor	8
0603R	120R	RES-1	R110	Resistor	1
0603R	0R	RES-1	R112	Resistor	1
R16	TRANS	TRANS3	T01		1
TS4FP02P2	MP03634	MP03634M	U1		1
178M					1
SCU-SM8_N	25LC1024-ISM	25LC1024-ISM	U2	1 Mbit SPI Bus Serial EEPROM, 8-Pin	1
SOT-23	NCP802SN308	NCP802SN308	U3	SOIC, Industrial Temperature	1
1	LM6203Mtlwatt1	LM6203	U4	DMOS Full Bridge Driver	1
SO-8	OPA2337UA	LM662AM	U5, U12, U13, U14, U15, U16, U17		7
SOT23-6	SN74LVC2G17	74LVC2G17	U6, U7, U8, U9, U19		6
D0VR	PS2501L-4	PS2501L-4	U10, U11		2
PS2501L-4	PS2501L-4	PS2501L-4	U10, U11		2
BTS432L	BTS432E2Q87	BTS432E2	U18		1
800-56202-42					1
SOP-127P103	AD420AR-32	AD420	U20	Loop-Powered 4 mA to 20 mA DAC	1
LM2595-24N					1
LM2595-4.0	LM2595S-ADJ	LM2596	U21		1
PE50DCAN	PE50DCAN	PE50DCAN	U22, U24		2
BE2790D	BE2790D	BE2790D	U23, U27		4
SO8	UA1051T3	UA1051	U25, U28		2
TSSOP16_M	MAX3221PWR	MAX3221	U29		1
SO8	EN6180C180	MAX487	U30		1
SOT-223	LM1117AMPX5	AC1117.3.3	U3B, U3B-1		2
ICV	N9046CGB-	XTAL	V1	Crystal Oscillator	1
WZ5E4.7	8.000M				1
Approved		Notes			