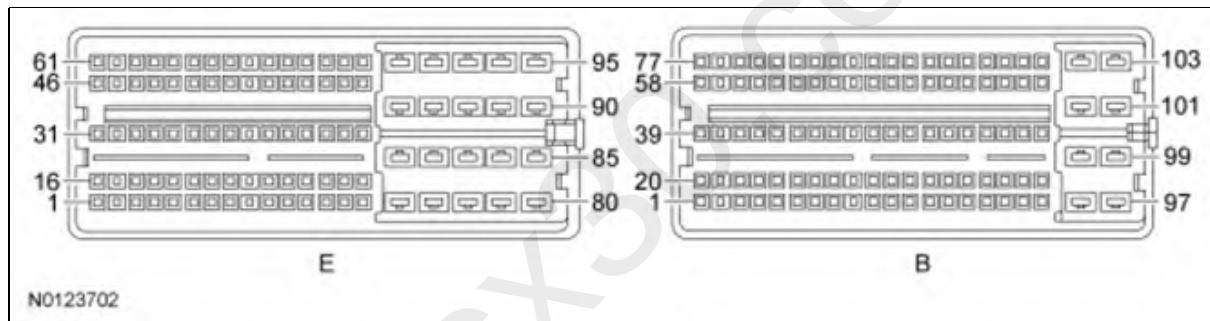


RO2FT1	PID	0	-0.58	1.47	1.84	%
SHRTFT1	PID	0.00 (I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SPARKADV	PID	10	6.25	23.75	14.75	DEG
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	TIP-IN MANAGEMENT	NONE REQUESTED	STATUS
TURBO_BPASS	PID	OFF	OFF	ON	OFF	ON/OFF

Other	PCM Pin/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VREF	B13/B14/E3/E7	5	5	5	5	VOLTS
VPWR	B101/B102/B103	VBAT	VBAT	VBAT	VBAT	VOLTS

1.6L GTDI FIESTA

Fig 1: 1.6L GTDI Fiesta PCM Connector



Courtesy of FORD MOTOR CO.

1.6L GTDI FIESTA > TYPICAL DIAGNOSTIC REFERENCE VALUES

Sensors/Inputs	PCM Pin/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
HTRCM12	B1	0	0	0	0	mA
FPM	B4	59.40	59.40	59.38	59.40	%
CAC_T	B32	38	36	41	41	DEG C (DEG F)
CAC_V	B32	1.62	1.69	1.50	1.51	VOLTS
APP1	B45	0.95	0.95	2.10	2.77	VOLTS
KEYST	B48	ON	ON	ON	ON	ON/OFF

O2S12	B57	0.45 (l)	switching (D)	switching (D)	switching (D)	VOLTS
BOO1	B66	OFF	OFF	OFF	OFF	ON/OFF
FLP	B71	463 (67.15)	529 (76.72)	500 (72.52)	481.50 (69.84)	kPa (PSI)
FLP_V	B71	2.97	3.39	3.24	3.09	VOLTS
FTP	B73	2.66/72 (0.01)	2.11/-899 (-0.13)	2.45/-289 (-0.04)	2.15/-830 (-0.12)	VOLTS/Pa (PSI)
FTP_H2O	B73	0.28	-3.62	-0.96	-3.34	in-H ₂ O
TCBP	B74	100.12 (14.52)	100.76 (14.61)	101.41 (14.71)	108.49 (15.74)	kPa (PSI)
TCBP_V	B74	1.61	1.62	1.63	1.74	VOLTS
IAT	B75	1.23/53 (127.4)	1.31/51 (123.8)	1.75/39 (102.2)	1.83/37 (98.6)	VOLTS/DEG C (DEG F)
ECT	E23	86 (186.8)	89 (192.2)	87 (188.6)	89 (192.2)	DEG C (DEG F)
TP1	E33	4.22/15.29	4.41/11.76	4.34/12.94	4.16/16.47	VOLTS/%
TP2	E34	0.78/15.68	0.59/11.76	0.66/13.33	0.99/19.60	VOLTS/%
MAP	E35	1.61/99 (0.01)	0.86/52 (0.01)	0.90/51 (0.01)	0.59/32 (0)	VOLTS/kPa (PSI)
MAP_GAUGE	E35	2	49	50	69	in-H ₂ O
FRP	E38	1.41/4.58 (664.27)	1.50/5.01 (726.64)	1.61/5.55 (804.96)	1.76/6.45 (935.49)	VOLTS/MPa (PSI)
O2S11_CUR	E39	0.00 (l)	switching	switching	switching	mA/uA
KNOCK_2	E57	167	65	116	106	N/A
KNOCK_1	E59	167	85	104	137	N/A
AAT	PID	24 (75.2)	24 (75.2)	24 (75.2)	24 (75.2)	DEG C (DEG F)
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	PID	0	0	18	29	%
APP_MAXDIFF	PID	0	0	-0.06	-0.06	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/PART PEDAL
APP1 (APP_D)	PID	7.84	7.84	17.25	23.13	%
APP2 (APP_E)	PID	7.84	7.84	17.64	23.52	%
B+	PID	12.51	13.80	13.64	13.61	VOLTS
BARO	PID	3.94/99 (14.36)/156.11	3.94/99 (14.36)/156.11	3.93/99 (14.36)/156.11	3.93/99 (14.36)/156.11	VOLTS/kPa (PSI)/Hz/
BOO2	PID	OFF	OFF	OFF	OFF	ON/OFF
BRKOVr_ACTION	PID	0	0	0	0	NUMERIC VALUE
BRKOVrD_POSS	PID	105	105	106	106	NUMERIC VALUE

DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOVRD	PID	1622.99 (1008.48)	1622.99 (1008.48)	1622.99 (1008.48)	1624.49 (1009.41)	KM (MILES)
EQ_RAT11	PID	0/0:1	1.00/14.62:1	1.00/14.5:1	0.99/14.45:1	RATIO
ETC_ACT	PID	6.76	3.79	6.49	10.75	DEG
ETC_TRIM	PID	0.10	0.10	0.17	0.17	DEG
FLI	PID	99.60 (H)	99.60 (H)	99.60 (H)	99.60 (H)	%
KNK_CNTR_CYL1	PID	0	0	0	0	COUNT
KNK_CNTR_CYL2	PID	0	0	0	0	COUNT
KNK_CNTR_CYL3	PID	0	0	0	0	COUNT
KNK_CNTR_CYL4	PID	0	0	0	0	COUNT
LOAD	PID	0.00 (I)	45.49	25.09	10.19	%
MISFIRE	PID	NO	NO	NO	NO	YES/NO
MP_LRN	PID	YES	YES	YES	YES	YES/NO
NUM_MISFIRE	PID	0	1	1	1	COUNT
O2S11_IMPED	PID	4.93	1.03	1.03	1.03	VOLTS
O2S11_READY	PID	NO	NO	NO	NO	YES/NO
O2S11_TR	PID	0	0	0	0	Kohm
OCTADJ_R_LRND	PID	63.01	63.01	63.01	63.01	%
RPM	PID	0	815.25	1760.75	2577.50	RPM
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1_LRN_TRIM	PID	9.50	9.50	9.50	9.50	DEG
TP2_LRN_TRIM	PID	9.62	9.62	9.62	9.62	DEG
TPMODE	PID	CT	CT	PT	PT	CLOSED/PART/WIDE OPEN THROTTLE
TURBO_BP1_STAT	PID	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/NO FAULT
VCT_EXH_ACT1	PID	0	0.06	24	11.25	DEG
VCT_EXH_DIF1	PID	0	-0.06	0	-0.06	DEG
VCT_INT_ACT1	PID	0	0.06	-0.25	-0.12	DEG
VCT_INT_DIF1	PID	0	-0.06	0.25	0.12	DEG
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/CLOSED LOOP
VSS	PID	0	0	48 km/h (30 MPH)	89 km/h (55 MPH)	km/h/MPH

Actuators/Outputs	PCM	Measured/PID Values			Units
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	Pin/PID Only					Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
HTR12	B1	OFF	ON	ON	ON	ON/OFF
EVAPCV	B20	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPCP	B22	0	0	54.31	55.34	%
FP	B37	1.99/OFF	79.92/OFF	79.92/OFF	78.13/OFF	%/ON/OFF
HTR11	E1	OFF	ON	ON	ON	ON/OFF
O2S11_HTR	E1	0	45.49	45.49	45.49	%
TURBO_BPASS	E2	OFF	OFF	OFF	OFF	ON/OFF
VCT_INT_DC1	E16	0	0	0	0	%
VCT_EXH_DC1	E31	0	0	50.23	48.93	%
TURBO_WGATE	E47	0	8.49	0	8.93	%
ETC [TAC_PCT]	PID	10.58	4.31	7.45	12.94	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
FANDC	PID	0	55.29	60.78	13.72	%
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/CLOSED LOOP
HFC	PID	OFF	OFF	OFF	OFF	ON/OFF
INJ1-4_OFF	PID	--	--	--	--	--/DISABLE
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
LONGFT1	PID	4.68 (I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2_DS_DISBL	PID	YES	YES	NO	NO	YES/NO
RO2FT1	PID	0	0	-1.95	0.36	%
SHRTFT1	PID	0.00 (I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SPARKADV	PID	10	-2	35.25	21.50	DEG
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	NONE REQUESTED	NONE REQUESTED	STATUS

Other	PCM Pin/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	