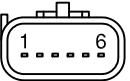

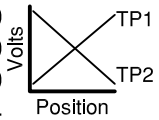
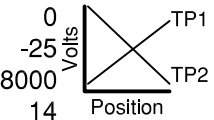


Column No.	A	B	C	D	E	F	G
Part No.s							
Applications							
Part No.s	LFE2 13 640 A K4238 0811 01168 8G25 8G25	4H23-9F991-BC 11F245032 0061611F14	390765 8R29-9F991-AA	9L8E-BC 091973000195	9B4G-9F991-A L502 13 640B	Q0M7C 11018 000357 BR3-9F991-AD	0 280 750 585 11202 CF335 827 CM5E 9F991-AD
Applications	Mazda MX-5 Miata MY2006-13, 60mm 2.0L I4 NA	Jaguar XK8	Ford Falcon FG	Unknown	Mazda 6 (China)	Ford Coyote V8	Ford Focus 2012
Comments	Electronic Hybrid	Electronic Hybrid	Normal Sensor	Normal Sensor	Electronic Hybrid	Normal Sensor	Electronic Hybrid
TP2 Linear Limit	None	None	60%	60%	None	57.5%	None
Pin Function							
Motor-	A	B	1	1	E	1	2
Motor+	B	A	2	2	F	2	1
Throttle Position1	F	F	3	3	A	3	6
Throttle Position2	D	D	6	6	C	6	3
0V (TP1/TP2)	C	C	4	4	D	4	4
5V (TP1/TP2)	E	E	5	5	B	5	5
Calibration							
Proportional Gain	120	120	120	100	120	90	95
Integral Gain	80	80	80	90	80	80	60
Derivative Gain	170	180	140	130	180	105	110
Period	1	1	1	1	1	1	1
Dead Band	0.3	0.3	0.3	0.2	0.3	0.1	0.2
Feed Forward	5	5	5	5	5	5	10
Neg. Integral Clamp	-20	-20	-25	-20	-25	-20	-20
Frequency	8000	8000	8000	8000	8000	8000	8000
Motor Volts	14	14	14	14	14	14	14

Note, refer to:
 "DAD0001 Electronic Throttle Setup for MoTeC 'hundred series' ECUs" or
 "DAD0002 Electronic Throttle Setup for MoTeC 'M1 series' ECUs"
 for additional information.



Title FoMoCo Electronic Throttle Motors				Sheet No 1 of 2		Drawing No DAD0020	
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Column No.	H	J	
Part No.s			
Applications			
Part No.s	0 280 750 566 CM5E 9F991-AC	ZJ20-13 640A FoMoCo	
Applications	Ford Focus 2012	Unknown	
Comments	Electronic Hybrid	Electronic Hybrid	
TP2 Linear Limit	None	None	
Pin Function			
Motor-	2	B	
Motor+	1	A	
Throttle Position1	6	F	
Throttle Position2	3	D	
0V (TP1/TP2)	4	C	
5V (TP1/TP2)	5	E	
Calibration			
Proportional Gain	95	70	
Integral Gain	60	50	
Derivative Gain	125	110	
Period	1	1	
Dead Band	0.2	0.3	
Feed Forward	10	0	
Neg. Integral Clamp	-20	-25	
Frequency	8000	8000	
Motor Volts	14	14	
			

Note, refer to:-
 "DAD0001 Electronic Throttle Setup for MoTeC 'hundred series' ECUs" or
 "DAD0002 Electronic Throttle Setup for MoTeC 'M1 series' ECUs"
 for additional information.



Title FoMoCo Electronic Throttle Motors				Sheet No	Drawing No
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App		Rev	H		