

GEN4 PRO XTREME ECU PINOUT INFORMATION FOR MAIN WIRE HARNESSSES

ECM Circuit HEADER1 (A-K)	LEAD LENGTH	BASE	LS1	LS2/7	UNVSRL	UNVSRL	UNVSRL	UNVSRL	MOD	COYOTE	HEMI	PRIMARY NTK WBO2-1	
					COP CHEVY	COP FORD	COP CHEVY	COP FORD					
A1 - MAP SGNL		X	X	X	X	X	X	X	X	X	X		
A2 - TPS2 SGNL / FORD IAC OUT													
A3 - IPU CRANK (+)		X					X	X	X	X			
B1 - TPS1 SGNL		X	X	X	X	X	X	X	X	X	X		
B2 - 2-STEP / SLT		X	X	X	X	X	X	X	X	X	X		
B3 - IPU CRANK (-)		X					X	X	X	X			
C1 - COOLANT TEMP SGNL		X	X	X	X	X	X	X	X	X	X		
C2 - COIL 6			X	X	X	X	X	X	X				
C3 - IPU CAM (+)		X					X	X	X	X			
D1 - AIR TEMP SGNL		X	X	X	X	X	X	X	X	X	X		
D2 - TACH OUT			X	X	X	X	X	X	X	X	X		
D3 - IPU CAM (-)		X					X	X	X	X			
E1 - MAP & TPS1 +5VR		X	X	X	X	X	X	X	X	X	X		
E2 - MAP, TPS, AIR & COOLANT RTN		X	X	X	X	X	X	X	X	X	X		
E3 - CAM SGNL			X	X	X	X	X	X			X		
F1 - 8-TO-16 BIG DRIVE ENABLE		X	X	X	X	X	X	X	X	X	X		
F2 - RUEGOIP / UEGOIP+		X	X	X	X	X	X	X	X	X	X	X	
F3 - RUEGOIA / UEGOVS-		X	X	X	X	X	X	X	X	X	X	X	
G1 - RUEGOH- / UEGOH-		X	X	X	X	X	X	X	X	X	X	X	
G2 - RUEGOUN		X	X	X	X	X	X	X	X	X	X		
G3 - RUEGOVM / UEGOVS+		X	X	X	X	X	X	X	X	X	X	X	
H1 - HS FUEL PUMP ENABLE		X	X	X	X	X	X	X	X	X	X		
H2 - COIL 7			X	X	X	X	X	X	X				
H3 - COIL 2			X	X	X	X	X	X	X				
J1 - COIL 3			X	X	X	X	X	X	X				
J2 - HEI GND / LC GND		X	X	X	X	X	X	X			X		
J3 - HEI REFERENCE / CRANK SGNL HED		X	X	X	X	X	X	X			X		
K1 - COIL 1			X	X	X	X	X	X	X				
K2 - HEI BYPASS		X											
K3 - HEI / TFI EST		X											
GEN3 Harness P/N (JM1-006-XXX)		-014	-016	-034	-057	-057			-031	-031	-054	N/A	
GEN4 Harness P/N (JM1-006-XXX)		-072	-074	-076			-073	-073	-075	-075	-086	con kit	

GEN4 PRO XTREME ECU PINOUT INFORMATION FOR MAIN WIRE HARNESSSES

ECM Circuit HEADER1 (L-Y)	LEAD LENGTH	BASE	LS1	LS2/7	UNVSRL COP CHEVY	UNVSRL COP FORD	UNVSRL COP CHEVY	UNVSRL COP FORD	MOD	COYOTE	HEMI	PRIMARY NTK WBO2-1	
L1 - COIL 4			X	X	X	X	X	X	X				
L2 - TIMER ENABLE		X	X	X	X	X	X	X	X	X	X		
L3 - +12V SWITCH		X	X	X	X	X	X	X	X	X	X		
M1 - ECM VBATT		X	X	X	X	X	X	X	X	X	X		
M2 - COIL 5			X	X	X	X	X	X	X				
M3 - COIL 8			X	X	X	X	X	X	X				
N1 - TXD / CAN HI		X	X	X	X	X	X	X	X	X	X		
N2 - RXD / CAN LO		X	X	X	X	X	X	X	X	X	X		
N3 - RS232 RTN / FAN2 ENABLE		X	X	X	X	X	X	X	X	X	X		
P1 - IAC A-LOW		X	X	X	X	X	X	X	X	X	X		
P2 - IAC A-HIGH		X	X	X	X	X	X	X	X	X	X		
P3 - PWRGND1		X	X	X	X	X	X	X	X	X	X		
R1 - IAC B-LOW / FORD IAC		X	X	X	X	X	X	X	X	X	X		
R2 - IAC B-HIGH		X	X	X	X	X	X	X	X	X	X		
R3 - FAN ENABLE		X	X	X	X	X	X	X	X	X	X		
S1 - INJECTOR 8		X	X	X	X	X	X	X	X	X	X		
S2 - INJECTOR 4		X	X	X	X	X	X	X	X	X	X		
S3 - LS FUEL PUMP ENABLE		X	X	X	X	X	X	X	X	X	X		
T1 - INJECTOR 7		X	X	X	X	X	X	X	X	X	X		
T2 - INJECTOR 3		X	X	X	X	X	X	X	X	X	X		
T3 - BOOST INCREMENT		X	X	X	X	X	X	X	X	X	X		
W1 - INJECTOR 6		X	X	X	X	X	X	X	X	X	X		
W2 - INJECTOR 2		X	X	X	X	X	X	X	X	X	X		
W3 - BOOST DECREMENT		X	X	X	X	X	X	X	X	X	X		
X1 - INJECTOR 5		X	X	X	X	X	X	X	X	X	X		
X2 - INJECTOR 1		X	X	X	X	X	X	X	X	X	X		
X3 - POINTS OUT		X					X	X					
Y1 - ECM VBATT		X	X	X	X	X	X	X	X	X	X		
Y2 - ECM VBATT		X	X	X	X	X	X	X	X	X	X		
Y3 - PWRGND2		X	X	X	X	X	X	X	X	X	X		
GEN3 Harness P/N (JM1-006-XXX)		-014	-016	-034	-057	-057			-031	-031	-054	N/A	
GEN4 Harness P/N (JM1-006-XXX)		-072	-074	-076			-073	-073	-075	-075	-086	con kit	

GEN4 PRO XTREME ECU PINOUT INFORMATION FOR OPTIONAL FEATURE UPGRADE HARNESSES AND STANDARD FEATURE UPGRADE HARNESSSES

ECM Circuit HEADER2 (A-K)	LEAD LENGTH	E85	DAE (HED)	SR2 (HED)	4L60E / 4L80E	DAE2	BOOST	6-STG NOS	SECONDARY BOSCH WBO2-2	SECONDARY NTK WBO2-2	16 INJ	DAE3	DBW / KNOCK
A1 - A/D INPUT (A/D_1)	24"											X	
A2 - SPARE INJ DRIVER	24"											X	
A3 - A/C CLUTCH OVERRIDE	72"					X							
B1 - A/C BUMP INPUT	72"					X							
B2 - WG PRESSURE SGNL (Boost)	120"					X	X						
B3 - TRANS LINE PRESSURE SGNL	120"					X							
C1 - RIGHT FRONT SHOCK SGNL	96"					X							
C2 -WHEELIE CONTROL SGNL	24"											X	
C3 - SHIFT LIGHT	72"					X							
D1 - LEFT FRONT SHOCK SGNL	126"					X							
D2 - DAE2 SENSOR RTN	-					X	X						
D3 - PED1 SGNL													X
E1 - PED2 SGNL													X
E2 - SPARE A/D_1 (A/D_2) / DIGISET_6	24"							X				X	
E3 - DAE2 SENSOR 5VR	-					X	X						
F1 - SPARE A/D_2 (A/D_3) / DIGISET_5	24"							X				X	
F2 - LUEGOIP / UEGOIP+	126"								X	X			
F3 - LUEGOIA / UEGOVS-	126"								X	X			
G1 - LUEGOH- / UEGOH-	126"								X	X			
G2 - LUEGOUN	126"								X				
G3 - LUEGOVM / UEGOVS+	126"								X	X			
H1 - LEFT REAR SHOCK SGNL	150"					X							
H2 - SPARE A/D_3 (A/D_4) / DIGISET_4	24"							X				X	
H3 - RIGHT REAR SHOCK SGNL	150"					X							
J1 - DAE3 SENSOR 5VR	-							X				X	X
J2 - KNOCK RB (+)													X
J3 - KNOCK RB (-)													X
K1 - KNOCK LB (+)													X
K2 - DAE3 SENSOR RTN	-							X				X	X
K3 - KNOCK LB (-)													X
GEN3 Harness P/N (JM1-006-XXX)		-041	-021	-036-HED	-020	-039	-039	-059/060	-030	-040	-028	N/A	N/A
GEN4 Harness P/N (JM1-006-XXX)		-082	-077	-077/-083	-078	-079	-079/-084	-081	-089	-040	-063/064	-080	-085

GEN4 PRO XTREME ECU PINOUT INFORMATION FOR OPTIONAL FEATURE UPGRADE HARNESSES AND STANDARD FEATURE UPGRADE HARNESSSES

ECM Circuit HEADER2 (L-Y)	LEAD LENGTH	E85	DAE (HED)	SR2 (HED)	4L60E / 4L80E	DAE2	BOOST	6-STG NOS	SECONDARY BOSCH WBO2-2	SECONDARY NTK WBO2-2	16 INJ	DAE3	DBW / KNOCK
L1 - PWM SOLENOID (Prog NOS)	72"		X					X					
L2 - NOS BOTTLE PRESSURE	96"		X					X					
L3 - STAGE_5 NOS	24"							X					
M1 - STAGE_3 NOS	24"							X					
M2 - SHIFT SOLENOID B / GPIO1	130"				X							X	
M3 - TRANS MODE A / DIGISET_1 / GPIO2	130"/ 24"				X			X				X	
N1 - STAGE_4 NOS	24"							X					
N2 - TCC PWM / GPIO3	130"				X							X	
N3 - FORCE MOTOR HIGH / GPIO4	130"				X							X	
P1 - STAGE_2 NOS	24"							X					
P2 - SHIFT SOLENOID A / GPIO5	130"				X							X	
P3 - TRANS MODE B / DIGISET_2 / GPIO6	130"/ 24"				X			X				X	
R1 - STAGE_6 NOS	24"							X					
R2 - TURBO SHAFT SPEED_1 SGNL	108"					X							
R3 - STAGE_1 NOS	24"							X					
S1 - TOSS (+) / DRV SHFT HED SGL	126" / 96"		X	X	X								
S2 - TRANS MODE C / DIGISET_3 / GPIO7	130"/ 24"				X			X				X	
S3 - TURBO SHAFT SPEED_2 SGNL	80"					X							
T1 - TISS (+) / INPT SHFT HED SGL	120" / 72"		X		X								
T2 - FUEL PRESSURE SGNL	96"		X										
T3 - ALL TRANS SENSOR RTN	-				X								
W1 - 3-STEP ENABLE	72"		X	X									
W2 - FLEX FUEL SENSOR SGNL	98"	X											
W3 - DAE SENSOR RTN	-	X	X	X									
X1 - TURBO BACK PRESSURE SGL	120"		X										
X2 - OIL PRESSURE SGNL	72"		X										
X3 - OIL PAN VACUUM SGNL	48"		X										
Y1 - TRANS TEMP SGNL / (TOT)	130"/ 72"		X (W/Gnd)		X								
Y2 - ANALOG TRIGGER	72"		X	X									
Y3 - DAE SENSOR 5VR	-	+12V Switch	X	X									
GEN3 Harness P/N (JM1-006-XXX)		-041	-021	-036-HED	N/A	-039	-039	-059/060	-030	-040	-028	N/A	N/A
GEN4 Harness P/N (JM1-006-XXX)		-082	-077	-077/-083	-85	-079	-079/-084	-081	-089	-040	-063/064	-080	-085