

PS-ECU-O	C9			PS Outputs to ECU Harness Connector		
CONNECTOR	DTM06-8S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-005-20141	18	RED	C.8.6-4 / P1-C9	L.8.15	WB Nano Rear +12V - Switched
2	0462-005-20141	18	RED	C.8.7-4 / P2-C9	L.8.16	WB Nano Front +12V - Switched
3	0462-005-20141	18	RED	C.8.9-3 / ECU A-13	L.8.21	Switched 12V for ECU
4	0462-201-20141	20	RED	C.8.9-4 / P3-C12	L.8.22	Switched 12V for Sensors
5	0462-201-20141	22	BLUE	P5-C9 / ECU B-9	L.8.44	Fuel Pump Relay Trigger
6	0462-201-20141	22	BLUE	P6-C9 / ECU B-8	L.8.45	Fan Relay Trigger
7	0462-201-20141	22	BLUE	P7-C9 / ECU A-5	L.8.46	RPM Activated Output Trigger
8	0462-201-20141	22	BLUE	P8-C9 / ECU A-6	L.8.47	Engine Starter Trigger
TRPM	C11			Connection s on the Trans RPM Sensor Leads		
CONNECTOR	DTM04-3P					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0460-010-20141	18	GREEN	P1-C11 / TRPM	L.8.26	TRPM Lead - GND
2	0460-010-20141	18	PINK	P2-C11 / TRPM	L.8.27	TRPM Lead - Signal
3	0460-010-20141	18	BLACK	P3-C11 / TRPM	L.8.28	TRPM Lead - +12V PWR
TRPM	C12			Trans RPM to ECU Harness		
CONNECTOR	DTM06-3S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-20141	20	BLACK	P3-C12 / BAT (-)	L.8.30	Bat GND for TRPM
2	0462-201-20141	22	WHITE	ECU A-20 / P2-C12	L.8.81	Trans RPM signal
3	#N/A	#N/A	#N/A	#N/A	L.8.24	#N/A
SPRO	C14			FT Sparkpro 2 Stock Connector to ECU Harness		
CONNECTOR	Molex 6-pin (Mini-Fit Jr - FEMALE)					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	?	22	GRAY	P1-C14 / ECU A-9	L.8.43	CYLD #2 (R) ECU Trigger input to SP
2	?	18	BLACK / WHITE	P2-C14 / FRAME GND	L.8.35	FRAME GND for SparkPRO
3	?	22	GRAY	P3-C14 / ECU A-8	L.8.42	CYLD #1 (F) ECU Trigger input to SP
4	?	16	GREEN	P4-C14 / C.8.15-A	L.8.37	SP GND For CYLD #2 (R) COP
5	?	18	BLACK / WHITE	P5-C14 / FRMAE GND	L.8.36	FRAME GND for SparkPRO
6	?	16	GREEN	P6-C14 / C.8.16-A	L.8.38	SP GND For CYLD #1 (F) COP
RCOP	C15			COP Connector for CYLD 2 ®		
CONNECTOR	Furukawa: RFW-2S					
BOOT	SCL					
NOTES						

[illegible]

LHBC-ECU	C20			LHBC-ECU connection		
CONNECTOR	DTM06-2S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0413-204-2005	PLUG	WHITE	ECU A-21 / P1-C20	L.8.78	2-STEP BTN - ON LHBC
2	0462-201-20141	22	DARK GREEN	J7 / P2-C20	L.8.60	Sensor GND - FOR LHBC
RHBC-ECU	C21			RHBC - ECU Connection		
CONNECTOR	DTM06-2S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-20141	22	DARK GREEN	J7 / P1-C21	L.8.62	Sensor GND - FOR RHBC
2	0462-201-20141	22	WHITE	ECU B-12 / P2-C21	L.8.108	Start Switch ECU Input - ON RHBC
IAT	C22			STOCK IAT CONNECTOR		
CONNECTOR	Sumitomo: 6189-0156					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
A	8240-4412 /	22	WHITE	ECU A-26 / PA-C22	L.8.82	IAT Sensor Signal
B	8240-4412 /	22	DARK GREEN	J8 / PB-C22	L.8.64	Sensor GND - FOR IAT
SHSNR	C23			Connection to sensor sub harness		
CONNECTOR	DTM06-12S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-20141	20	GREEN / RED	J10 / P1-C23	L.8.71	+5V Sensor Power - FOR SNSR SH
2	0462-201-20141	22	DARK GREEN	J8 / P2-C23	L.8.66	Sensor GND - FOR SNSR SH
3	0462-201-20141	22	WHITE	ECU A-25 / P3-C23	L.8.83	Fuel Pressure Signal - ON SNSR SH
4	0462-201-20141	22	WHITE	ECU A-23 / P4-C23	L.8.84	Oil Pressure Signal - ON SNSR SH
5	0462-201-20141	22	WHITE	ECU A-24 / P5-C23	L.8.85	ECT Signal - ON SNSR SH
6	0462-005-20141	18	RED	ECU A-19 / P6-C23	L.8.86	Crank Signal - ON SNSR SH
7	0462-005-20141	18	WHITE	ECU A-18 / P7-C23	L.8.87	Crank GND (ref) - ON SNSR SH
8	0462-201-20141	22	BROWN	J11 / P8-C23	L.8.88	Cable shield for crank signal and ref
9	0462-201-20141	20	WHITE	P9-C23 / BAT (-)	L.8.92	Cam Sensor Bat Neg terminal
10	0462-005-20141	18	WHITE	ECU A-17 / P10-C23	L.8.89	CAM Sync Signal
11	0462-201-20141	22	YELLOW	J11 / P11-C23	L.8.90	Cam Sync Signal Shield
12	NOT IN DTM RANGE	SHIELD	PURPLE	P12-C23 / BAT (-)	L.8.93	Shildeding for Cam sensor Bat Neg Lin

SNSR-EXP	C24		Connector for Sensor (+5V, snr gnd) future exps.			
CONNECTOR	DTM06-2S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-20141	20	DARK GREEN / BLACK	J8 / P1-C24	L.8.67	Sensor GND - FOR EXP
2	0462-201-20141	20	GREEN / RED	J10 / P2-C24	L.8.73	+5V Sensor Power - FOR EXP
RFAN	C25		Fan Side - Right Fan Power Connector			
CONNECTOR	DT04-2P					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0460-202-16141	18	BLACK	P1-C25 / R FAN	L.8.94	FRAME NEG
2	0460-202-16141	18	RED	P2-C25 / R FAN	L.8.95	+12V FAN PWR
RFAN	C26		Harness Side - Right Fan Power Connector			
CONNECTOR	DT06-2S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-16141	16	BLACK	P1-C26 / Frame GND	L.8.100	Right Fan Frame GND
2	0462-201-16141	16	RED	P3-C17 / P2-C26	L.8.96	+12V Right FAN PWR - FROM PS
LFAN	C27		Fan Side - LEFT Fan Power Connector			
CONNECTOR	DT04-2P					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0460-202-16141	18	BLACK	P1-C27 / L FAN	L.8.97	FRAME NEG
2	0460-202-16141	18	RED	P2-C27 / L FAN	L.8.98	+12V FAN PWR
LFAN	C28		Harness Side - LEFT Fan Power Connector			
CONNECTOR	DT06-2S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-16141	16	BLACK	P1-C28 / Frame GND	L.8.101	Left Fan Frame GND
2	0462-201-16141	16	RED	P4-C17 / P2-C28	L.8.99	+12V Left FAN PWR - FROM PS

FPMP	C29			Fuel Pump Side - Fuel Pump Power Connector		
CONNECTOR	DT04-4P					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0460-202-16141	16	BROWN / BLUE	P1-C29 / F PUMP	L.8.103	Low Fuel Light GND Path
2	0460-202-16141	16	BROWN	P2-C29 / F PUMP	L.8.104	+12V Fuel Pump PWR
3	0460-202-16141	18	GREEN	P3-C29 / F PUMP	L.8.105	GND for fuel pump
4	114017-ZZ	Plug			PLUG	
FPMP	C30			Harness Side - Fuel Pump Power Connector		
CONNECTOR	DT06-4S					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0462-201-16141	20	BROWN	P1-C30 / ECU B-7	L.8.107	Low Fuel Thermistor GND Path - ECU INPUT
2	0462-201-16141	16	RED	P5-C17 / P2-C30	L.8.102	Fuel Pump +12V Pwr - FROM PS
3	0462-201-16141	16	BLACK	P3-C30 / FRAME GND	L.8.106	GND for fuel pump
4	114017-ZZ	Plug			PLUG	#N/A
MH-ECU	C31			ECU Harness to Main Harness		
CONNECTOR	DTM04-6P					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
1	0460-202-20141	22	WHITE	ECU B-13 / P1-C31	L.8.77	ECU INPUT - LEFT TURN SIGNAL - ON MH-ECU
2	0460-202-20141	22	WHITE	ECU B-18 / P2-C31	L.8.80	ECU INPUT - RIGHT TURN SIGNAL - ON MH-ECU
3	0460-202-20141	22	WHITE	ECU B-19 / P3-C31	L.8.79	ECU INPUT - HIGHBEAM SIGNAL - ON MH-ECU
4	0460-202-20141	22	WHITE	ECU B-5 / P4-C31	L.8.109	ECU INPUT FOR NEUTRAL GND - ON MH-ECU
5	0460-202-20141	22	WHITE	ECU B-6 / P5-C31	L.8.76	ECU INPUT - SS DOWN - ON MH-ECU
6	0413-204-2005	PLUG	#N/A	#N/A	PLUG	#N/A
BAT -	C32			Leads Straight to Battery Negative Terminal		
CONNECTOR	6.3mm Eye					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
	6.3mm Eye	20	WHITE	P9-C23 / BAT (-)	L.8.92	Cam Sensor Bat Neg terminal
	6.3mm Eye	SHIELD	PURPLE	P12-C23 / BAT (-)	L.8.93	Shielding for Cam sensor Bat Neg Line
	6.3mm Eye	20	BLACK	J11 / BAT (-)	L.8.91	Termination of Shield wires - ecu side

	6.3mm Eye	18	BLACK / WHITE	ECU B-2 / BAT (-)	L.8.33	A Battery Neg for ECU
	6.3mm Eye	18	BLACK / WHITE	ECU B-1 / BAT (-)	L.8.34	A Battery Neg for ECU
	6.3mm Eye	18	BLACK	ECU A-12 / BAT (-)	L.8.32	A Battery Neg for ECU
	6.3mm Eye	18	BLACK / WHITE	ECU A-7 / BAT (-)	L.8.31	A Battery Neg for ECU
	6.3mm Eye	18	BLACK	C.8.7-11 / BAT (-)	L.8.17	F Nano to Battery GND
	6.3mm Eye	20	BLACK	P3-C12 / BAT (-)	L.8.30	Bat GND for TRPM
	6.3mm Eye	#N/A	#N/A	#N/A	L.8.29	#N/A
	6.3mm Eye	18	BLACK	C.8.6-11 / BAT (-)	L.8.18	R Nano to Battery GND
F-GND	C33			All Leads Straight to Frame GND Earth Point		
CONNECTOR	6.3mm Eye					
BOOT	SCL					
NOTES						
Location	Pin/Seal (Part Number)	Wire Size (AWG)	Color	Destinations (End 1, End 2)	Line	Line Description
	6.3mm Eye	18	BLACK / WHITE	P2-C14 / FRAME GND	L.8.35	FRAME GND for SparkPRO
	6.3mm Eye	18	BLACK / WHITE	P5-C14 / FRMAE GND	L.8.36	FRAME GND for SparkPRO
	6.3mm Eye	16	BLACK	P1-C26 / Frame GND	L.8.100	Right Fan Frame GND
	6.3mm Eye	16	BLACK	P1-C28 / Frame GND	L.8.101	Left Fan Frame GND
	6.3mm Eye	18	BLACK / WHITE	C.8.7-10 / FRAME GND	L.8.20	R Nano to Frame GND
	6.3mm Eye	16	BLACK	P3-C30 / FRAME GND	L.8.106	GND for fuel pump
	6.3mm Eye	18	BLACK / WHITE	C.8.6-10 / FRAME GND	L.8.19	F Nano to Frame GND

	Lines							
Amps on Line (Max)	Line #	End 1	End 2	Description	AWG	Color (Base / Stripe)	Length (mm)	Notes
0.250	L.8.1	ECU A-16	C.8.1-4	CAN A (+) HIGH	22	TWISTED - 2P		Twisted Pair between CAN A HI and LOW Lines
0.250	L.8.2	ECU A-15	C.8.1-3	CAN A (-) LOW	22	TWISTED - 2P		
0.250	L.8.3	C.8.2-4	J.8.1	CAN A (+) HIGH - Rear WBNano	22	WHITE/ RED		
0.250	L.8.4	C.8.2-3	J.8.2	CAN A (-) LOW - Rear WBNano	22	YELLOW / BLUE		
0.250	L.8.5	C.8.3-3	J.8.2	CAN A (-) LOW - Rear WBNano	22	YELLOW / BLUE		
0.250	L.8.6	C.8.3-4	J.8.1	CAN A (+) HIGH - Rear WBNano	22	WHITE/ RED		
0.250	L.8.7	J.8.1	C.8.6-6	CAN A (+) HIGH - Rear WBNano	22	WHITE/ RED		
0.250	L.8.8	J.8.2	C.8.6-12	CAN A (-) LOW - Rear WBNano	22	YELLOW / BLUE		
0.250	L.8.9	J.8.3	C.8.5-4	CAN A (+) HIGH - Rear WBNano	22	WHITE/ RED		
0.250	L.8.10	J.8.4	C.8.5-3	CAN A (-) LOW - Rear WBNano	22	YELLOW / BLUE		
0.250	L.8.11	J.8.3	C.8.7-6	CAN A (+) HIGH - Rear WBNano	22	TWISTED - 2P		
0.250	L.8.12	J.8.4	C.8.7-12	CAN A (-) LOW - Rear WBNano	22	TWISTED - 2P		
0.250	L.8.13	ECU B-4	C.8.8-4	CAN B (+) HIGH	22	WHITE/ RED	1210	LEN OF TWISTED
0.250	L.8.14	ECU B-3	C.8.8-3	CAN B (-) LOW	22	YELLOW / BLUE	1210	LENGTH OF TWISTED
10.000	L.8.15	C.8.6-4	P1-C9	WB Nano Rear +12V - Switched	18	RED	2335	Verify size with the FT nano harness
10.000	L.8.16	C.8.7-4	P2-C9	WB Nano Front +12V - Switched	18	RED	2175	Verify size with the FT nano harness
10.000	L.8.17	C.8.7-11	BAT (-)	F Nano to Battery GND	18	BLACK	1955	No other splices on line
10.000	L.8.18	C.8.6-11	BAT (-)	R Nano to Battery GND	18	BLACK	2115	No other splices on line
10.000	L.8.19	C.8.6-10	FRAME GND	F Nano to Frame GND	18	BLACK / WHITE	1525	No other splices on line
10.000	L.8.20	C.8.7-10	FRAME GND	R Nano to Frame GND	18	BLACK / WHITE	1685	No other splices on line
10.000	L.8.21	C.8.9-3	ECU A-13	Switched 12V for ECU	18	RED	2535	Verify size with the FT nano harness
0.000	L.8.22	C.8.9-4	P3-C12	Switched 12V for Sensors	20	RED	1260	
0.000	L.8.26	P1-C11	TRPM	TRPM Lead - GND	18	GREEN	380	Part of stock sensor leads
0.025	L.8.27	P2-C11	TRPM	TRPM Lead - Signal	18	PINK	380	
0.000	L.8.28	P3-C11	TRPM	TRPM Lead - +12V PWR	18	BLACK	380	
0.000	L.8.30	P3-C12	BAT (-)	Bat GND for TRPM	20	BLACK	1040	
10.000	L.8.31	ECU A-7	BAT (-)	A Battery Neg for ECU	18	BLACK / WHITE	2305	
10.000	L.8.32	ECU A-12	BAT (-)	A Battery Neg for ECU	18	BLACK	2305	
10.000	L.8.33	ECU B-2	BAT (-)	A Battery Neg for ECU	18	BLACK / WHITE	2305	
10.000	L.8.34	ECU B-1	BAT (-)	A Battery Neg for ECU	18	BLACK / WHITE	2305	
10.429	L.8.35	P2-C14	FRAME GND	FRAME GND for SparkPRO	18	BLACK / WHITE	820	Part of Spark Pro harness
10.429	L.8.36	P5-C14	FRMAE GND	FRAME GND for SparkPRO	18	BLACK / WHITE	820	
10.429	L.8.37	P4-C14	C.8.15-A	SP GND For CYLD #2 (R) COP	16	GREEN	1650	
10.429	L.8.38	P6-C14	C.8.16-A	SP GND For CYLD #1 (F) COP	16	GREEN	2095	
20.857	L.8.39	P2-C17	J.8.6	+12V for COP	14	RED	250	
10.429	L.8.40	J.8.6	C.8.16-B	+12V for COP CYLD #1 (F)	16	RED	2095	
10.429	L.8.41	J.8.6	C.8.15-B	+12V for COP CYLD #2 (R)	16	RED	1650	
1.000	L.8.42	P3-C14	ECU A-8	CYLD #1 (F) ECU Trigger input to SP	22	GRAY	2285	Part of SparkPRO Harness
1.000	L.8.43	P1-C14	ECU A-9	CYLD #2 (R) ECU Trigger input to SP	22	GRAY	2285	
0.150	L.8.44	P5-C9	ECU B-9	Fuel Pump Relay Trigger	22	BLUE	2535	
0.150	L.8.45	P6-C9	ECU B-8	Fan Relay Trigger	22	BLUE	2535	
0.150	L.8.46	P7-C9	ECU A-5	RPM Activated Output Trigger	22	BLUE	2535	
0.150	L.8.47	P8-C9	ECU A-6	Engine Starter Trigger	22	BLUE	2535	
5.000	L.8.48	P1-C18	ECU B-23	Exspansion: Yellow Output	20	YELLOW	2535	
5.000	L.8.49	P2-C18	ECU B-22	Exspansion: Yellow Output	20	YELLOW	2535	
5.000	L.8.50	P3-C18	ECU B-15	Exspansion: Blue Output	22	BLUE	2535	
5.000	L.8.51	P4-C18	ECU B-21	Exspansion: Blue Output	22	BLUE	2535	
5.000	L.8.52	P5-C18	ECU B-20	Exspansion: Blue Output	22	BLUE	2535	
5.000	L.8.53	P6-C18	ECU B-14	Exspansion: Blue Output	22	BLUE	2535	
4.750	L.8.54	P1-C19	P1-C17	+12V INJ PWR	18	RED	1650	
1.190	L.8.55	P5-C19	ECU A-1	INJ 1 Primary ECU Output	22	BLUE	1235	
1.190	L.8.56	P6-C19	ECU A-3	INJ 1 Secondary ECU Output	22	BLUE	1235	
1.190	L.8.57	P7-C19	ECU A-2	INJ 2 Primary ECU Output	22	BLUE	1235	

1.190	L.8.58	P8-C19	ECU A-4	INJ 2 Secondary ECU Output	22	BLUE	1235	
1.225	L.8.59	ECU B-26	J7	Sensor GND - from ecu	20	DARK GREEN	300	
0.100	L.8.60	J7	P2-C20	Sensor GND - FOR LHBC	22	DARK GREEN	705	
0.005	L.8.62	J7	P1-C21	Sensor GND - FOR RHBC	22	DARK GREEN	1115	
1.120	L.8.63	J7	J8	Sensor GND - J7 TO J8	22	DARK GREEN	455	
0.050	L.8.64	J8	PB-C22	Sensor GND - FOR IAT	22	DARK GREEN	475	
0.025	L.8.65	J8	P2-C19	Sensor GND - FOR FISH	22	DARK GREEN	480	
0.045	L.8.66	J8	P2-C23	Sensor GND - FOR SNSR SH	22	DARK GREEN	190	
1.000	L.8.67	J8	P1-C24	Sensor GND - FOR EXP	20	DARK GREEN / BLACK	1780	Make same AWG as L.8.59
0.000	L.8.68	ECU A-14	J10	+5V Sensor Power	20	GREEN / RED	550	Confirm wire size on FT harness
0.040	L.8.71	J10	P1-C23	+5V Sensor Power - FOR SNSR SH	20	GREEN / RED	395	
0.005	L.8.72	J10	P3-C19	+5V Sensor Power - FOR FISH	20	GREEN / RED	685	
1.000	L.8.73	J10	P2-C24	+5V Sensor Power - FOR EXP	20	GREEN / RED	1985	Same awg as L.8.68
0.050	L.8.75	ECU A-22	P1-C19	TPS Sensor Signal - ON FISH	22	WHITE	1235	
0.050	L.8.76	ECU B-6	P5-C31	ECU INPUT - SS DOWN - ON MH-ECU CNTR	22	WHITE	1235	
0.025	L.8.77	ECU B-13	P1-C31	ECU INPUT - LEFT TURN SIGNAL - ON MH-ECU CNTR	22	WHITE	1235	
0.025	L.8.78	ECU A-21	P1-C20	2-STEP BTN - ON LHBC	22	WHITE	1005	
0.025	L.8.79	ECU B-19	P3-C31	ECU INPUT - HIGHBEAM SIGNAL - ON MH-ECU CNTR	22	WHITE	1235	
0.025	L.8.80	ECU B-18	P2-C31	ECU INPUT - RIGHT TURN SIGNAL - ON MH-ECU CNTR	22	WHITE	1235	
0.025	L.8.81	ECU A-20	P2-C12	Trans RPM signal	22	WHITE	2075	
0.050	L.8.82	ECU A-26	PA-C22	IAT Sensor Signal	22	WHITE	1230	
0.020	L.8.83	ECU A-25	P3-C23	Fuel Pressure Signal - ON SNSR SH	22	WHITE	945	
0.020	L.8.84	ECU A-23	P4-C23	Oil Pressure Signal - ON SNSR SH	22	WHITE	945	
0.020	L.8.85	ECU A-24	P5-C23	ECT Signal - ON SNSR SH	22	WHITE	945	Part of FT Ecu harness
0.050	L.8.86	ECU A-19	P6-C23	Crank Signal - ON SNSR SH	18	RED	945	SHIELDING WITH CABLE SHIELD L.8.88
0.050	L.8.87	ECU A-18	P7-C23	Crank GND (ref) - ON SNSR SH	18	WHITE	945	SHIELDING WITH CABLE SHIELD L.8.88
0.050	L.8.88	J11	P8-C23	Cable shield for crank signal and ref	22	BROWN	945	LENGTH SLIGHTLY SMALL TO TERMINATE SHIELD
0.050	L.8.89	ECU A-17	P10-C23	CAM Sync Signal	18	WHITE	945	
0.050	L.8.90	J11	P11-C23	Cam Sync Signal Shield	22	YELLOW	945	
1.100	L.8.91	J11	BAT (-)	Termination of Shield wires - ecu side	20	BLACK	2315	
0.050	L.8.92	P9-C23	BAT (-)	Cam Sensor Bat Neg terminal	20	WHITE	1740	LEN LESS FOR TERMINATION
0.050	L.8.93	P12-C23	BAT (-)	Shilded for Cam sensor Bat Neg Line	SHIELD	PURPLE	1740	LEN LESS FOR TERMINATION
5.000	L.8.94	P1-C25	R FAN	FRAME NEG	18	BLACK	250	
5.000	L.8.95	P2-C25	R FAN	+12V FAN PWR	18	RED	250	Part of fan leads
5.000	L.8.96	P3-C17	P2-C26	+12V Right FAN PWR - FROM PS	16	RED	2345	
5.000	L.8.97	P1-C27	L FAN	FRAME NEG	18	BLACK	250	
5.000	L.8.98	P2-C27	L FAN	+12V FAN PWR	18	RED	250	Part of fan leads
5.000	L.8.99	P4-C17	P2-C28	+12V Left FAN PWR - FROM PS	16	RED	1985	
5.000	L.8.100	P1-C26	Frame GND	Right Fan Frame GND	16	BLACK	1695	
5.000	L.8.101	P1-C28	Frame GND	Left Fan Frame GND	16	BLACK	1335	
5.763	L.8.102	P5-C17	P2-C30	Fuel Pump +12V Pwr - FROM PS	16	RED	1900	
0.015	L.8.103	P1-C29	F PUMP	Low Fuel Light GND Path	16	BROWN / BLUE	360	
5.763	L.8.104	P2-C29	F PUMP	+12V Fuel Pump PWR	16	BROWN	360	
5.763	L.8.105	P3-C29	F PUMP	GND for fuel pump	18	GREEN	360	Part of fuel pump leads
5.763	L.8.106	P3-C30	FRAME GND	GND for fuel pump	16	BLACK	1250	
0.015	L.8.107	P1-C30	ECU B-7	Low Fuel Thermistor GND Path - ECU INPUT	20	BROWN	1485	
0.025	L.8.108	ECU B-12	P2-C21	Start Switch ECU Input - ON RHBC	22	WHITE	1415	
0.025	L.8.109	ECU B-5	P4-C31	ECU INPUT FOR NEUTRAL GND - ON MH-ECU CNTR	22	WHITE	1235	
N/C = Not Connected								

#	CMA TOTAL	Connection Method	Lines	Notes	
J.8.1	1895	Open Barrel	L.8.7,L.8.3,L.8.6	CAN A (+) HI	
J.8.2	1895	Open Barrel	L.8.8,L.8.4,L.8.5	CAN A (-) LOW	
J.8.3	1263	Open Barrel	L.8.9,L.8.11	CAN A (+) HI	
J.8.4	1263	Open Barrel	L.8.10,L.8.12	CAN A (-) LOW	
J.8.6	9276	Open Barrel	L.8.40,L.8.41,L.8.39	+12V COP PWR	NEAR POWER SUPPLY
J7	2901	Open Barrel	L.8.60,L.8.62,L.8.63,L.8.59	Sensor GND	NEAR FT AB
J8	3533	Open Barrel	L.8.64,L.8.65,L.8.66,L.8.67,L.8.63	Sensor GND	NEAR B1 & B2
J10	4026	Open Barrel - A	L.8.71,L.8.72,L.8.73,L.8.68	+5V Sensor Power	NEAR B1 - BUT CLOSER ALONG FT AB SECTION
J11	2270	Solder Seal (Part of FT550 harness)	L.8.88,L.8.90,L.8.91	Crank,CAM Shield Ground	

CODE	CONNECTORS #	USE - Description	CONNECTOR (Part Number)	NOTES
CAN A	C1	ECU, TO REAR WB NANO CAN A SUB HARNESS	Molex 4-pin (Micro-Fit 3.0) - F	CAN A CONNECTOR - FEMALE
CAN A	C2	REAR WBNANO SUB HARNESS TO ECU HARNESS	Molex 4-pin (Micro-Fit 3.0) - M	CAN A CONNECTOR - MALE
CAN A	C3	REAR WBNANO TO FRONT WB NANO SH	Molex 4-pin (Micro-Fit 3.0) - F	CAN A CONNECTOR - FEMALE
CAN A	C4	FRONT WBNANO TO REAR WBNANO SH	Molex 4-pin (Micro-Fit 3.0) - M	CAN A CONNECTOR - MALE
CAN A	C5	CAN A (REAR WBNANO SH) connector for terminator resistor	FT: 5011100347	CAN A CONNECTOR - FEMALE
RNANO	C6	Connector to Rear WBNano - 12 Pin	FT: 5011100290	PROPRIETARY CONNECTOR FOR FUELTECH?
FNANO	C7	Connector to Front WBNano - 12 Pin	FT: 5011100290	PROPRIETARY CONNECTOR FOR FUELTECH?
CAN B	C8	CAN B connector from ECU Harness	DTM04-2P	Not used, but may be in future expansion
PS-ECU-O	C9	PS Outputs to ECU Harness Connector	DTM06-8S	
TRPM	C11	Connection s on the Trans RPM Sensor Leads	DTM04-3P	
TRPM	C12	Trans RPM to ECU Harness	DTM06-3S	
SPRO	C14	FT Sparkpro 2 Stock Connector to ECU Harness	Molex 6-pin (Mini-Fit Jr - FEMALE)	
RCOP	C15	COP Connector for CYLD 2 @	Furukawa: RFW-2S	
FCOP	C16	COP Connector for CYLD 1 F	Furukawa: RFW-2S	
PS-ECU-FI	C17	PS ECU Outputs FI	DT06-6S	
EXP-O	C18	Only used for future expansion	DTM06-6S	Seal with a cap at the end
FISH	C19	Fuel Injector Subharness	DTM06-8S	
LHBC-ECU	C20	LHBC-ECU connection	DTM06-2S	
RHBC-ECU	C21	RHBC - ECU Connection	DTM06-2S	
IAT	C22	STOCK IAT CONNECTOR	Sumitomo: 6189-0156	
SHSNR	C23	Connection to sensor sub harness	DTM06-12S	
SNSR-EXP	C24	Connector for Sensor (+5V, snr gnd) future exps.	DTM06-2S	
RFAN	C25	Fan Side - Right Fan Power Connector	DT04-2P	
RFAN	C26	Harness Side - Right Fan Power Connector	DT06-2S	
LFAN	C27	Fan Side - LEFT Fan Power Connector	DT04-2P	
LFAN	C28	Harness Side - LEFT Fan Power Connector	DT06-2S	
FPMP	C29	Fuel Pump Side - Fuel Pump Power Connector	DT04-4P	
FPMP	C30	Harness Side - Fuel Pump Power Connector	DT06-4S	
MH-ECU	C31	ECU Harness to Main Harness	DTM04-6P	
BAT -	C32	Leads Straight to Battery Negative Terminal	6.3mm Eye	
F-GND	C33	All Leads Straight to Frame GND Earth Point	6.3mm Eye	
RO2	C34	Rear O2 Sensor - LSU 4.9	Bosch 1928404669	
FO2	C35	Front O2 Sensor - LSU 4.9	Bosch 1928404669	
FT550 A	C36	FT550 Board Connector - A	AMP SUPERSEAL 1.0: 3-1437290-7	
FT550 B	C37	FT550 Board Connector - B	AMP SUPERSEAL 1.0: 3-1437290-8	