

RED	POSITIVE/Common
BLACK	GROUND/RETURN
GREEN	INPUT
BLUE	OUTPUT
LT. BLUE	CAN-BUS/J-1939

ALL GROUNDS MUST GO TO BATTERY GROUND
ALL POSITIVES MUST GO TO BATTERY POSITIVE

OK TO ELEVATE SPEED		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	SWITCH INPUT RETURN	TO 12 SOCKET CONNECTOR 'C' - #6
2	OTES SWITCH SIGNAL	TO 70 SOCKET - #46
PIN	SWITCH INPUT RETURN	PIN JUMPER

DROP TO IDLE		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	SWITCH INPUT RETURN	TO 12 SOCKET CONNECTOR 'C' - #6
2	DTI SWITCH SIGNAL	TO 70 SOCKET - #47
PIN	SWITCH INPUT RETURN	PIN JUMPER

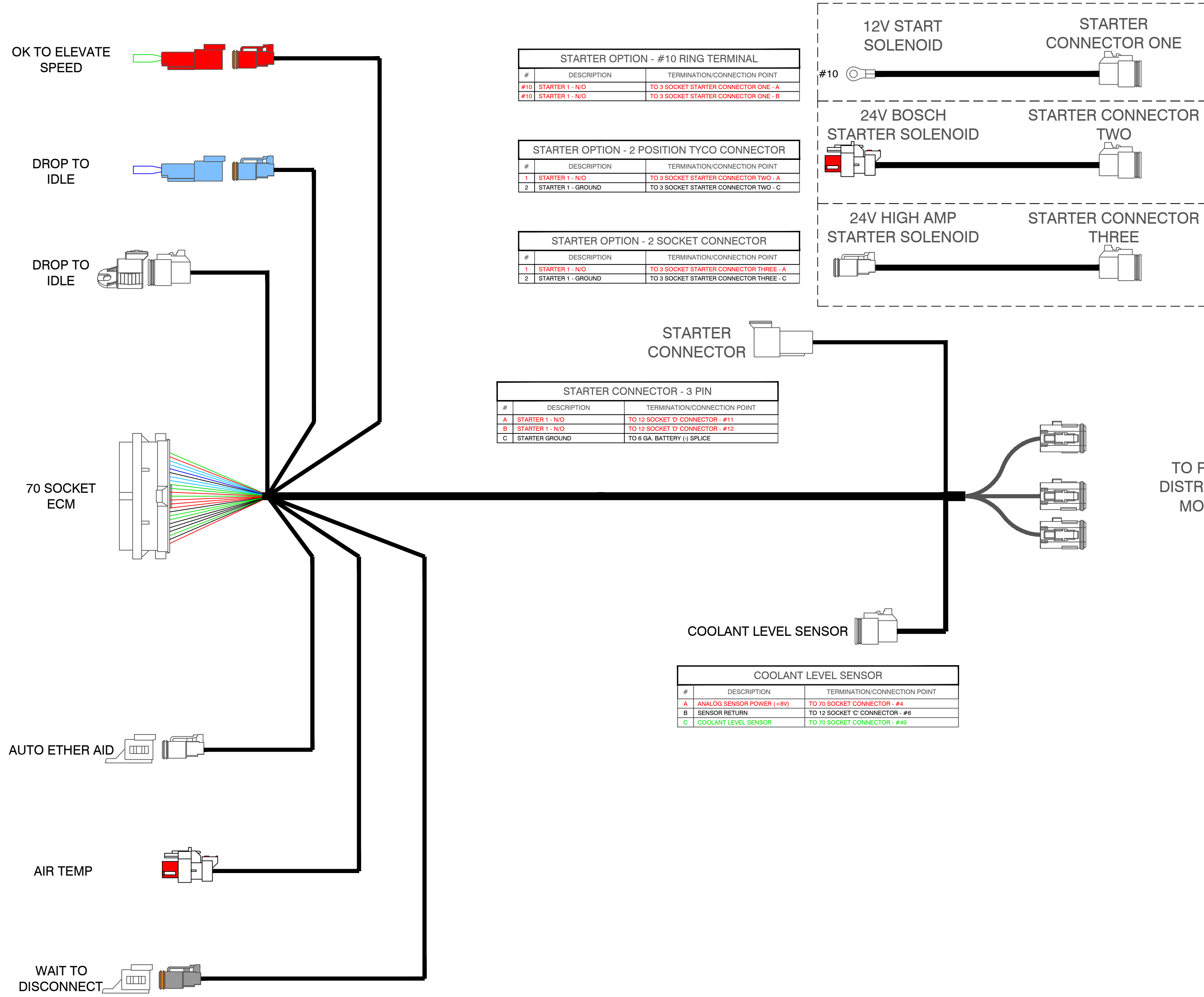
FUEL PUMP PRIME		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
A	FUEL PUMP PRIME - N/O	TO 12 SOCKET 'B' CONNECTOR - #7
B	FUEL PUMP PRIME - GROUND	TO GROUND BATTERY CABLE SPLICE
C	FUEL PUMP PRIME - COIL (-)	TO 12 SOCKET 'B' CONNECTOR - #3

70 SOCKET CONNECTOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
3	ANALOG SENSOR RETURN	TO 2 POSITION TYCO (AIR TEMP) - #2
4	DIGITAL SENSOR POWER (+5V)	TO 3 SOCKET (COOLANT LEVEL SENSOR) - A
11	AUTO ETHER AID	TO 2 SOCKET (AUTO ETHER) - #1
17	AIR TEMP	TO 2 POSITION TYCO (AIR TEMP) - #1
18	SWITCH INPUT RETURN	TO 12 SOCKET 'C' CONNECTOR - #6
24	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
26	WAIT TO DISCONNECT LAMP (+)	TO 2 SOCKET (WAIT TO DISCONNECT) - #2
27	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
33	BATTERY (+) - PETU RELAY	TO 12 SOCKET 'B' CONNECTOR - #12
36	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
38	BATT (+) FUEL PRIMING PUMP LOAD	TO 12 SOCKET 'C' CONNECTOR - #11
42	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
50	J1939 DATA LINK (+)	TO J1939 SPLICE - YELLOW
54	J1939 DATA LINK (-)	TO J1939 SPLICE - GREEN
44	REMOTE SHUTDOWN SWITCH	TO 12 SOCKET 'C' CONNECTOR - #5
46	OTES SWITCH SIGNAL	TO 2 SOCKET (OTES) - #2
47	DTI SWITCH SIGNAL	TO 2 SOCKET (DTI) - #2
48	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET 'C' CONNECTOR - #7
49	COOLANT LEVEL SENSOR	TO 3 SOCKET (COOLANT LEVEL SENSOR) - C
52	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET 'C' CONNECTOR - #1
53	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET 'C' CONNECTOR - #2
55	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET 'C' CONNECTOR - #4
57	BATTERY (+) - CONSTANT VOLTAGE	TO 12 SOCKET 'C' CONNECTOR - #5
61	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
63	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
65	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
69	BATTERY (-) - GROUND	TO GROUND BATTERY CABLE SPLICE
70	SWITCHED VOLTAGE	TO 12 SOCKET 'B' CONNECTOR - #1
	SWITCHED VOLTAGE	TO DATA LINK 9 PIN - A

AUTO ETHER AID		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	AUTO ETHER AID	TO 70 SOCKET CONNECTOR - #11
2	AUTO ETHER AID	TO 12 SOCKET 'C' CONNECTOR - #6

AIR TEMP		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	AIR TEMP	TO 70 SOCKET CONNECTOR - #17
2	AIR TEMP RETURN	TO 70 SOCKET CONNECTOR - #3

WAIT TO DISCONNECT LAMP		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	WAIT TO DISCONNECT LAMP (+)	TO 12 SOCKET 'C' CONNECTOR - #3
2	WAIT TO DISCONNECT LAMP (-)	TO 70 SOCKET CONNECTOR - #26



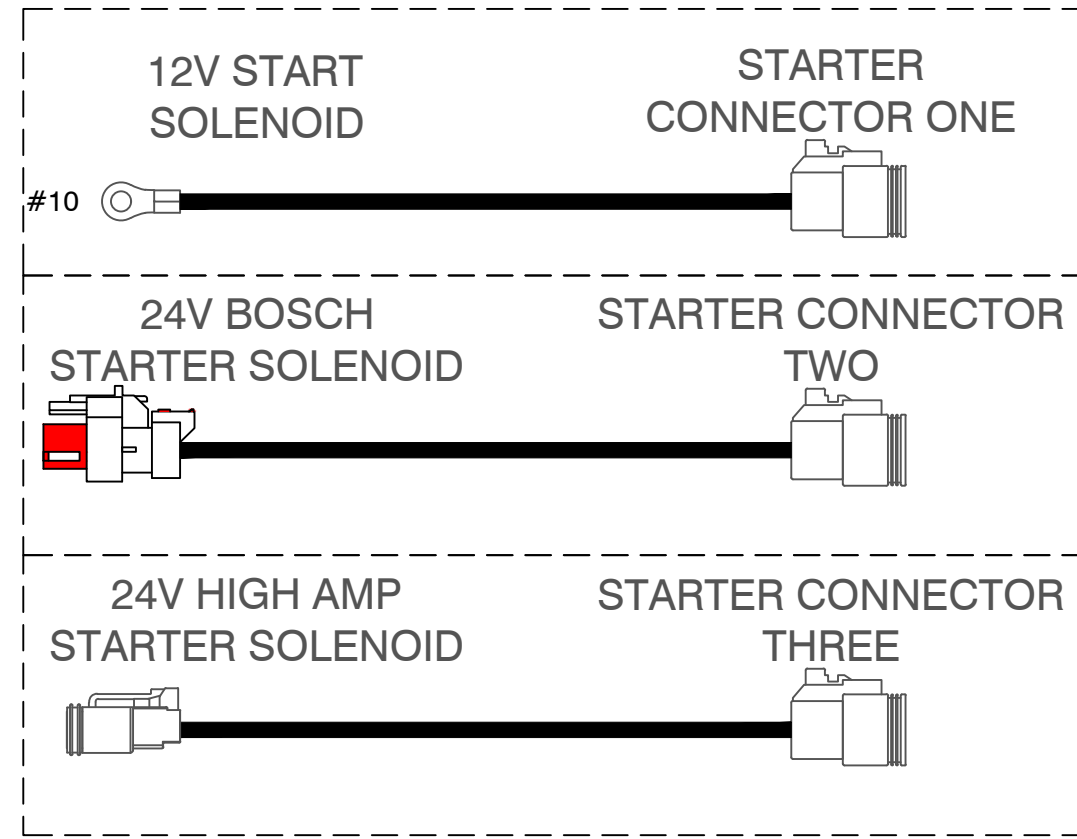
STARTER OPTION - #10 RING TERMINAL		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
#10	STARTER 1 - N/O	TO 3 SOCKET STARTER CONNECTOR ONE - A
#10	STARTER 1 - N/O	TO 3 SOCKET STARTER CONNECTOR ONE - B

STARTER OPTION - 2 POSITION TYCO CONNECTOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	STARTER 1 - N/O	TO 3 SOCKET STARTER CONNECTOR TWO - A
2	STARTER 1 - GROUND	TO 3 SOCKET STARTER CONNECTOR TWO - C

STARTER OPTION - 2 SOCKET CONNECTOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	STARTER 1 - N/O	TO 3 SOCKET STARTER CONNECTOR THREE - A
2	STARTER 1 - GROUND	TO 3 SOCKET STARTER CONNECTOR THREE - C

STARTER CONNECTOR - 3 PIN		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
A	STARTER 1 - N/O	TO 12 SOCKET 'D' CONNECTOR - #11
B	STARTER 1 - N/O	TO 12 SOCKET 'D' CONNECTOR - #12
C	STARTER GROUND	TO 6 GA. BATTERY (+) SPLICE

COOLANT LEVEL SENSOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
A	ANALOG SENSOR POWER (+5V)	TO 70 SOCKET CONNECTOR - #4
B	SENSOR RETURN	TO 12 SOCKET 'C' CONNECTOR - #6
C	COOLANT LEVEL SENSOR	TO 70 SOCKET CONNECTOR - #49



12 SOCKET - CUSTOMER CONNECTOR		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	REMOTE ENGINE SHUTDOWN	
2	ECM SWITCH RETURN	
3	START SOLENOID	
4	EXTERNAL ALARM RELAY OUTPUT	
5	CAT DATA LINK HIGH	
6	CAT DATA LINK LOW	
7	J1939 CAN HIGH	
8	J1939 CAN LOW	
9	CAN SHIELD	
10	KEYSWITCH INPUT	
11	CONSTANT VOLTAGE SUPPLY	
12	GROUND	

12 SOCKET 'C' KEY CONNECTOR (GREEN) - POWER		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #52
2	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #53
3	CONSTANT VOLTAGE - WAIT TO DISC	TO 2 SOCKET (WAIT TO DISCONNECT) - #1
4	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #55
5	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #57
6	SWITCH INPUT RETURN	TO 70 SOCKET CONNECTOR - #13
	SWITCH INPUT RETURN	TO 2 SOCKET (OTES) - #1
	SWITCH INPUT RETURN	TO 2 SOCKET (DTI) - #1
	AUTO ETHER AID INPUT RETURN	TO 2 SOCKET AUTO ETHER AID - #2
	SENSOR RETURN	TO 3 SOCKET (COOLANT LEVEL SENSOR) - B
7	CONSTANT VOLTAGE	TO 70 SOCKET CONNECTOR - #48
8	BATTERY (-)	TO GROUND BATTERY CABLE SPLICE
9	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE
10	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE
11	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE
12	BATTERY (+)	TO 6 GA. BATTERY (+) SPLICE

12 SOCKET 'D' KEY CONNECTOR (BROWN) - ENGINE		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
5	REMOTE SHUTDOWN SWITCH	TO 70 SOCKET CONNECTOR - #44
6	CAN LOW	TO J1939 SPLICE - GREEN
7	CAN HIGH	TO J1939 SPLICE - YELLOW
8	J1939 SHIELD	TO J1939 SPLICE - SHIELD
11	STARTER 1 - N/O	TO STARTER CONNECTOR 3 PIN - A
12	STARTER 1 - N/O	TO STARTER CONNECTOR 3 PIN - B

12 SOCKET 'B' KEY CONNECTOR (BLACK) - ENGINE		
#	DESCRIPTION	TERMINATION/CONNECTION POINT
1	IGNITION SWITCHED BATTERY INPUT	TO 70 SOCKET CONNECTOR - #70
3	FUEL PUMP PRIME - COIL (-)	TO FUEL PUMP PRIME 3 SOCKET - #C
7	FUEL PUMP PRIME - N/O	TO FUEL PUMP PRIME 3 SOCKET - #A
11	BATT (+) FUEL PRIMING PUMP LOAD	TO 70 SOCKET CONNECTOR - #39
12	BATTERY (+) - PETU RELAY	TO 70 SOCKET CONNECTOR - #33

