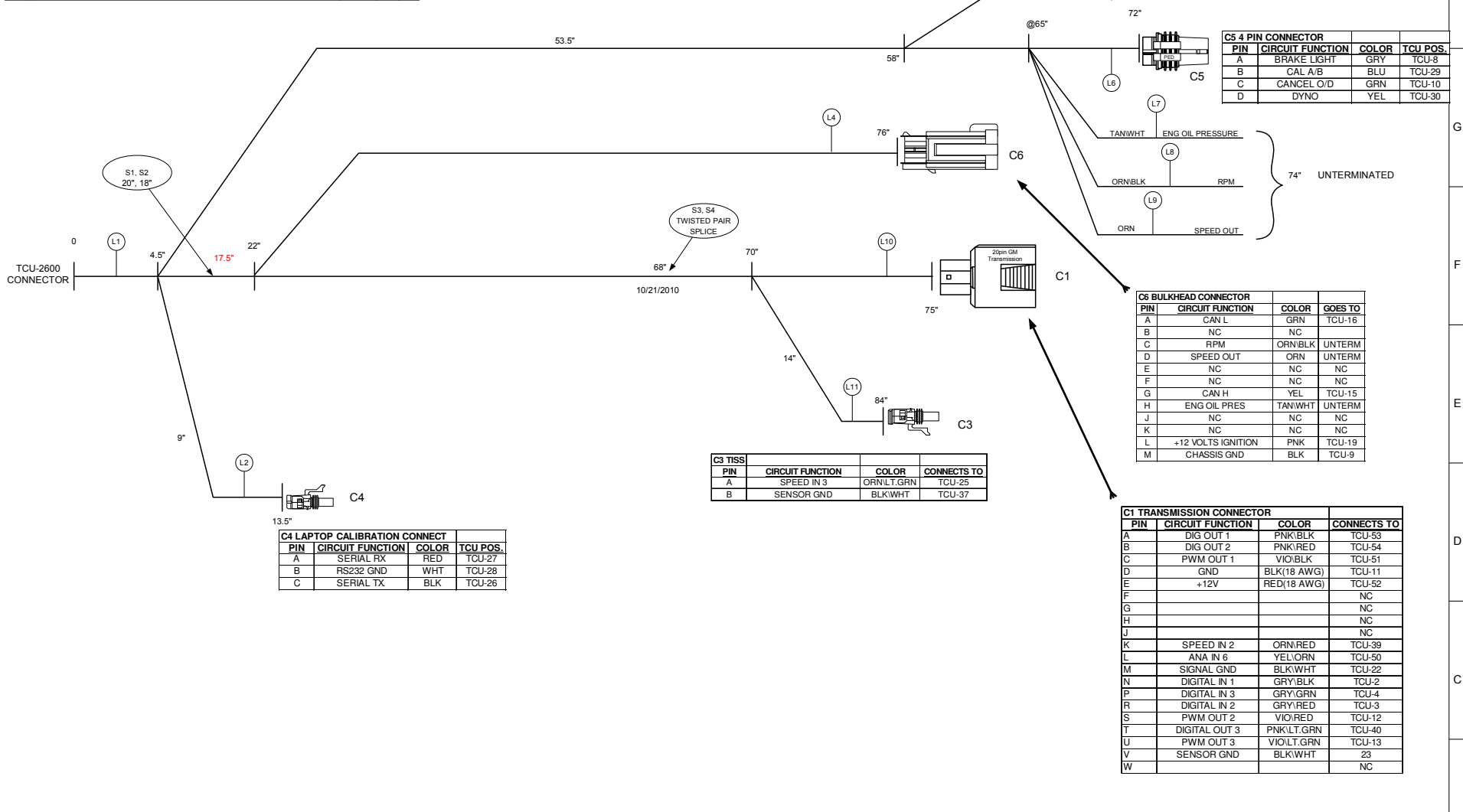


REVISION HISTORY				
LEVEL	DESCRIPTION	DATE	DRN	APP
1a	Changes added to proto	9/5/2013	FD	DB
1b	Added label changes to C1, Pin-39 color change for this drawing only.	9/26/2013	FD	DB
1c	Corrected wire length TCU-19 to C5-C (CANCEL O/D), TCU-29 to C5-D (RPM)	10/14/13	FD	DB
1d	REDRAWN TEST MATRIX	11/22/13	FD	DB
1E	MOVED TISS FROM TCU-38 TO TCU-20 PRE RUSS & CHANGES TO CUT LENGTH TABLE C1, C3, C6	11/29/2013	FD	DB



C2 MANUAL SHIFT CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	TCU POS.
A	DOWN	BRN/WHT	TCU-6
B	UP	BRN/LT.BLU	TCU-7
C	ENABLE	BRN/RED	TCU-5

C5 4 PIN CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	TCU POS.
A	BRAKE LIGHT	GRY	TCU-8
B	CAL A/B	BLU	TCU-29
C	CANCEL O/D	GRN	TCU-10
D	DYNO	YEL	TCU-30

C6 BULKHEAD CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	GOES TO
A	CAN L	GRN	TCU-16
B	NC	NC	
C	RPM	ORN/BLK	UNTERM
D	SPEED OUT	ORN	UNTERM
E	NC	NC	NC
F	NC	NC	NC
G	CAN H	YEL	TCU-15
H	ENG OIL PRES	TAN/WHT	UNTERM
J	NC	NC	NC
K	NC	NC	NC
L	+12 VOLTS IGNITION	PNK	TCU-19
M	CHASSIS GND	BLK	TCU-9

C3 TISS			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
A	SPEED IN 3	ORN/LT.GRN	TCU-25
B	SENSOR GND	BLK/WHT	TCU-37

C4 LAPTOP CALIBRATION CONNECT				
PIN	CIRCUIT FUNCTION	COLOR	TCU POS.	
A	SERIAL RX	RED	TCU-27	
B	RS232 GND	WHT	TCU-28	
C	SERIAL TX	BLK	TCU-26	

C1 TRANSMISSION CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
A	DIG OUT 1	PNK/BLK	TCU-53
B	DIG OUT 2	PNK/RED	TCU-54
C	PWM OUT 1	VIO/BLK	TCU-51
D	GND	BLK(18 AWG)	TCU-11
E	+12V	RED(18 AWG)	TCU-52
F			NC
G			NC
H			NC
J			NC
K	SPEED IN 2	ORN/RED	TCU-39
L	ANA IN 6	YEL/ORN	TCU-50
M	SIGNAL GND	BLK/WHT	TCU-22
N	DIGITAL IN 1	GRY/BLK	TCU-2
P	DIGITAL IN 3	GRY/GRN	TCU-4
R	DIGITAL IN 2	GRY/RED	TCU-3
S	PWM OUT 2	VIO/RED	TCU-12
T	DIGITAL OUT 3	PNK/LT.GRN	TCU-40
U	PWM OUT 3	VIO/LT.GRN	TCU-13
V	SENSOR GND	BLK/WHT	23
W			NC

WIRE COLOR ABBREVIATIONS		
TXT	COLOR	NOTES
BLK	BLACK	
BRN	BROWN	
RED	RED	
ORN	ORANGE	
YEL	YELLOW	
LT.GRN	LIGHT GREEN	
GRN	GREEN	
LT.BLU	LIGHT BLUE	
BLU	BLUE	
VIO	VIOLET	
GRY	GRAY	
WHT	WHITE	
PNK	PINK	

LABEL DEFINITION TABLE		
NUM	NAME	PART #
L1	GM 19257636 HARNESS	WRE-8501
L2	LAPTOP CALIBRATION CONNECT	WRE-8500
L3	10 AMP FUSE	WRE-8500
L4	BULKHEAD CONNECTOR	WRE-8500
L5	MANUAL SHIFT CONNECTOR	WRE-8500
L6	A-BRK LIGHT, B-CAL A/B, CANCEL O/D, D-DYNO	WRE-8500
L7	ENG OIL PRESSURE	WRE-8500
L8	RPM	WRE-8500
L9	SPEED OUT	WRE-8500
L10	TRANSMISSION CONNECTOR	WRE-8501
L11	TISS	WRE-8500

APPLICABLE STANDARDS

- ASME Y14.100-200
- ASME Y14.5M-1994
- IPC/WHMA-A-620A-CLASS 2
- MARK IAW MIL-STD-130.

NOTES

- WIRE LENGTH TOLERANCE +/- 1/2 INCH
- WIRE GAUGE IS 20 AWG UNLESS OTHERWISE STATED
- TAPE ALL LOOM JOINTS UNLESS OTHERWISE STATED
- TWIST INDICATED WIRES AT LEAST 10-12 TURNS PER FOOT
- PLACE TAGS NO MORE THAN 2" FROM CONNECTOR. PLACE TAGS FOR UNTERMINATED WIRES NO MORE THAN 2" FROM UNTERMINATED END.
- WIRE TYPE IS TX UNLESS OTHERWISE STATED

COMPANY: POWERTRAIN CONTROL SOLUTIONS

TITLE: GM SPECIAL 4L60/4L65E TCM-2600 HARNESS

SIZE: C	CUSTOMER DRAWING NO:	PCS PART NUMBER: TCM-7011	REV: 002
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DRAWN BY: FRED D. DATE: 7/26/2013

APPROVED BY: XXXXX DATE: SHEET 3 OF 8