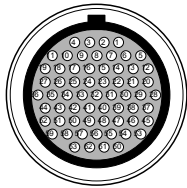
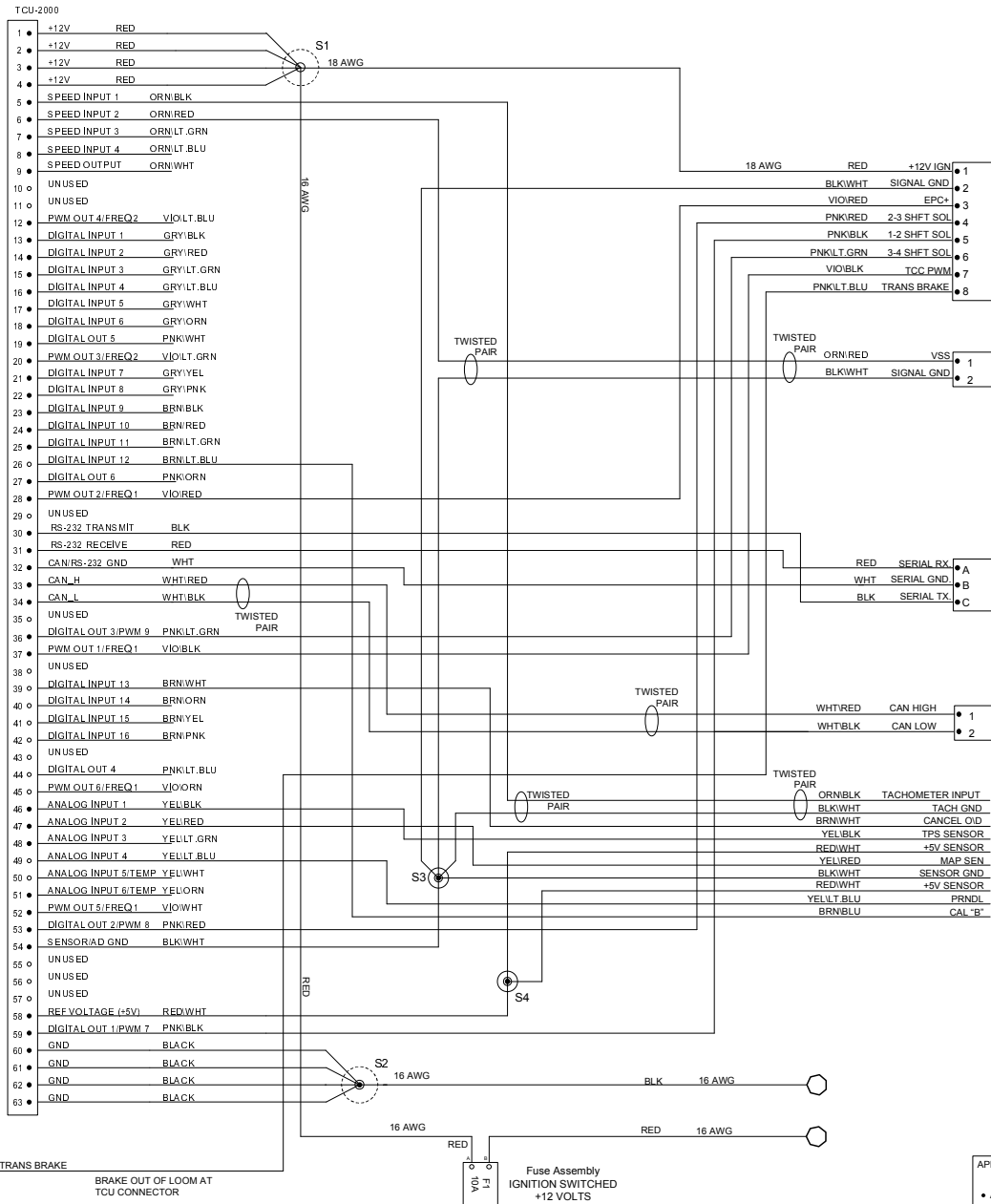


REVISION HISTORY				
LEVEL	DESCRIPTION	DATE	DRN	APP
1	RELEASE	11/27/12	FD	
1A	DRAWING UPDATE	8/28/13	FD	
1B	STRIP AND CUT CHANGES PER PRODUCTION	5/5/14	FD	
1C	CHANGE TWISTED PAIR CUT LENGTH AND SPLICE GRAPHIC FOR DIRECTION OF SPLICE	8/22/14	FD	
1D	S3 TO TCU-S4 NOW 6" CUT	4/28/15	FD	
1E	Redline updates	7/16/15	FD	
1F	TEXT UPDATES	10/15/19	FD	



QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	CON-001	25542-1
2	TERMINALS	CON-006-0504-4	
1	BACK SHEET	CON-006-0504-3	
1	TERMINAL SEAL	CON-006	



C1 TRANSMISSION CONNECTOR
FRONT VIEW

QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	CON-3350	
7	TERMINAL	CON-3351	20-22 AWG.
1	SEAL	CON-1044	ONE USED



C2 OUTPUT SHAFT SPEED SENSOR
FRONT VIEW

QTY	DESCRIPTION	PIN	NOTES
1	CONNECTOR	CON-4656	
ALL PARTS PROVIDED WITH CONNECTOR			



C-3 LAPTOP CALIBRATION CONNECTOR
FRONT VIEW

QTY	DESCRIPTION	PCS P/N	NOTES
1	CONNECTOR	CON-3416	
3	TERMINALS	CON-1038	
1	TPA	CON-3417	CREAM
3	CABLE SEALS	CON-1027	WHT



C-4 CAN CONNECTOR
FRONT VIEW

QTY	DESCRIPTION	PCS P/N	NOTES
1	CONNECTOR	CON-5050	
2	TERMINALS	CON-5200	(20-18 gauge)
1	WEDGE LOCK	WM-2s	ORANGE

UNTERMINATED GROUP CUT TO 96"

WIRE COLOR	ABBREVIATIONS	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	

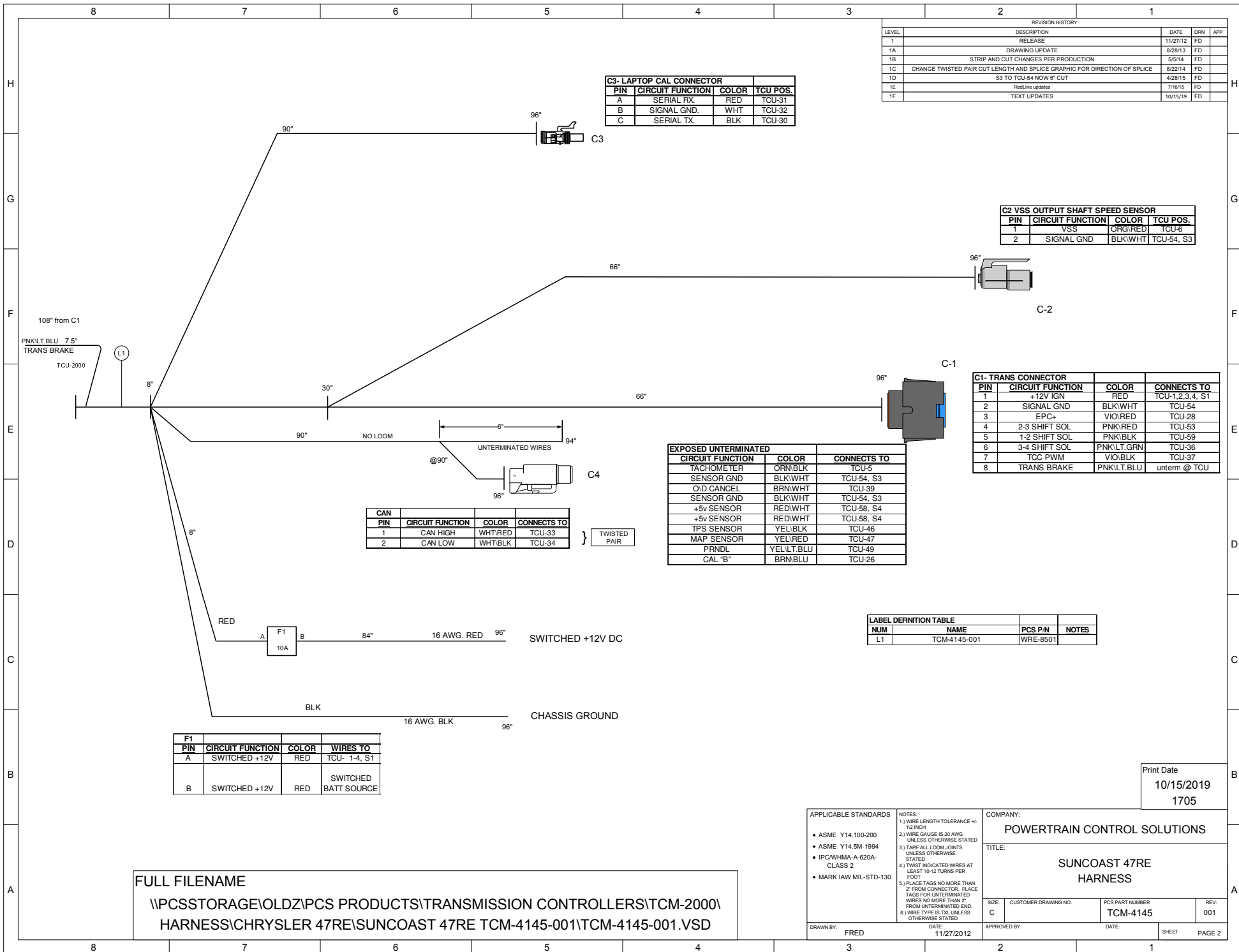
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\\PCSSTORAGE\OLDZ\PCS PRODUCTS\TRANSMISSION CONTROLLERS\TCM-2000\HARNESS\CHRYSLER 47RE\SUNCOAST 47RE TCM-4145-001\TCM-4145-001.VSD

F1	QTY	DESCRIPTION	PCS P/N	NOTES
1	CONNECTOR	CON-2200		
1	FUSE CAP:	CON-2201	BLK	
1	TPA	CON-2202	BLU	
2	TERMINAL	CON-1020	(18-16 AWG)	
1	FUSE	CON-2221	10A	
2	CABLE SEAL	CON-1001	GRN	

Print Date
10/15/2019
1705

APPLICABLE STANDARDS		NOTES:		COMPANY:	
• ASME Y14.100-20 • ASME Y14.5M-1994 • IPC/WHMA-A-620A-CLASS 2 • MARK IAW MIL-STD-130.		1) WIRE LENGTH TOLERANCE +/- 1/2 INCH		POWERTRAIN CONTROL SOLUTIONS	
		2) WIRE GAUGE IS 20 AWG UNLESS OTHERWISE STATED			
		3) TAPE ALL LOOM JOINTS UNLESS OTHERWISE STATED			
		4) TWIST INDICATED WIRES AT LEAST 10-12 TURNS PER FOOT			
		5) PLACE TAGS NO MORE THAN 2" FROM CONNECTOR. PLACE TAGS FOR UNTERMINATED WIRES NO MORE THAN 2" FROM UNTERMINATED END.			
		6) WIRE TYPE IS TXL UNLESS OTHERWISE STATED			
DRAWN BY: FRED		DATE: 11/27/2012		APPROVED BY:	
				TITLE: SUNCOAST 47RE HARNESS	
		SIZE: C		CUSTOMER DRAWING NO.	
		PCS PART NUMBER: TCM-4145		REV: 001	
		DATE:		SHEET PAGE 1	



REVISION HISTORY				
LEVEL	DESCRIPTION	DATE	DRN	APP
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1E	RedLine updates	7/16/15	FD	
1F	TEXT UPDATES	10/15/19	FD	

C3- LAPTOP CAL CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	TCU POS.
A	SERIAL RX	RED	TCU-31
B	SIGNAL GND.	WHT	TCU-32
C	SERIAL TX	BLK	TCU-30

C2 VSS OUTPUT SHAFT SPEED SENSOR			
PIN	CIRCUIT FUNCTION	COLOR	TCU POS.
1	VSS	ORG/RED	TCU-6
2	SIGNAL GND	BLK/WHT	TCU-54, S3

C1- TRANS CONNECTOR			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	+12V IGN	RED	TCU-1,2,3,4, S1
2	SIGNAL GND	BLK/WHT	TCU-54
3	EPC+	VIO/RED	TCU-58
4	2-3 SHIFT SOL	PNK/RED	TCU-53
5	1-2 SHIFT SOL	PNK/BLK	TCU-59
6	3-4 SHIFT SOL	PNK/LT.GRN	TCU-36
7	TCC PWM	VIO/BLK	TCU-37
8	TRANS BRAKE	PNK/LT.BLU	unterm @ TCU

EXPOSED UNTERMINATED		
CIRCUIT FUNCTION	COLOR	CONNECTS TO
TACHOMETER	GRN/BLK	TCU-5
SENSOR GND	BLK/WHT	TCU-54, S3
O/D CANCEL	BRN/WHT	TCU-39
SENSOR GND	BLK/WHT	TCU-54, S3
+5v SENSOR	RED/WHT	TCU-58, S4
+5v SENSOR	RED/WHT	TCU-58, S4
TPS SENSOR	YEL/BLK	TCU-46
MAP SENSOR	YEL/RED	TCU-47
PRNDL	YEL/LT.BLU	TCU-49
CAL "B"	BRN/BLU	TCU-26

CAN			
PIN	CIRCUIT FUNCTION	COLOR	CONNECTS TO
1	CAN HIGH	WHT/RED	TCU-33
2	CAN LOW	WHT/BLK	TCU-34

} TWISTED PAIR

LABEL DERIVATION TABLE			
NUM	NAME	PCS P/N	NOTES
L1	TCM-4145-001	WRE-8501	

F1			
PIN	CIRCUIT FUNCTION	COLOR	WIRES TO
A	SWITCHED +12V	RED	TCU- 1-4, S1
B	SWITCHED +12V	RED	SWITCHED BATT SOURCE

Print Date
10/15/2019
1705

FULL FILENAME

\\PCSSTORAGE\OLDZ\PCS PRODUCTS\TRANSMISSION CONTROLLERS\TCM-2000\HARNESS\CHRYSLER 47RE\SUNCOAST 47RE TCM-4145-001\TCM-4145-001.VSD

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 TXL UNLESS OTHERWISE STATED

COMPANY:

POWERTRAIN CONTROL SOLUTIONS

TITLE:

SUNCOAST 47RE HARNESS

SIZE: C	CUSTOMER DRAWING NO:	PCS PART NUMBER: TCM-4145	REV: 001
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DRAWN BY: FRED

DATE: 11/27/2012

APPROVED BY:

DATE:

SHEET: 001

PAGE 2