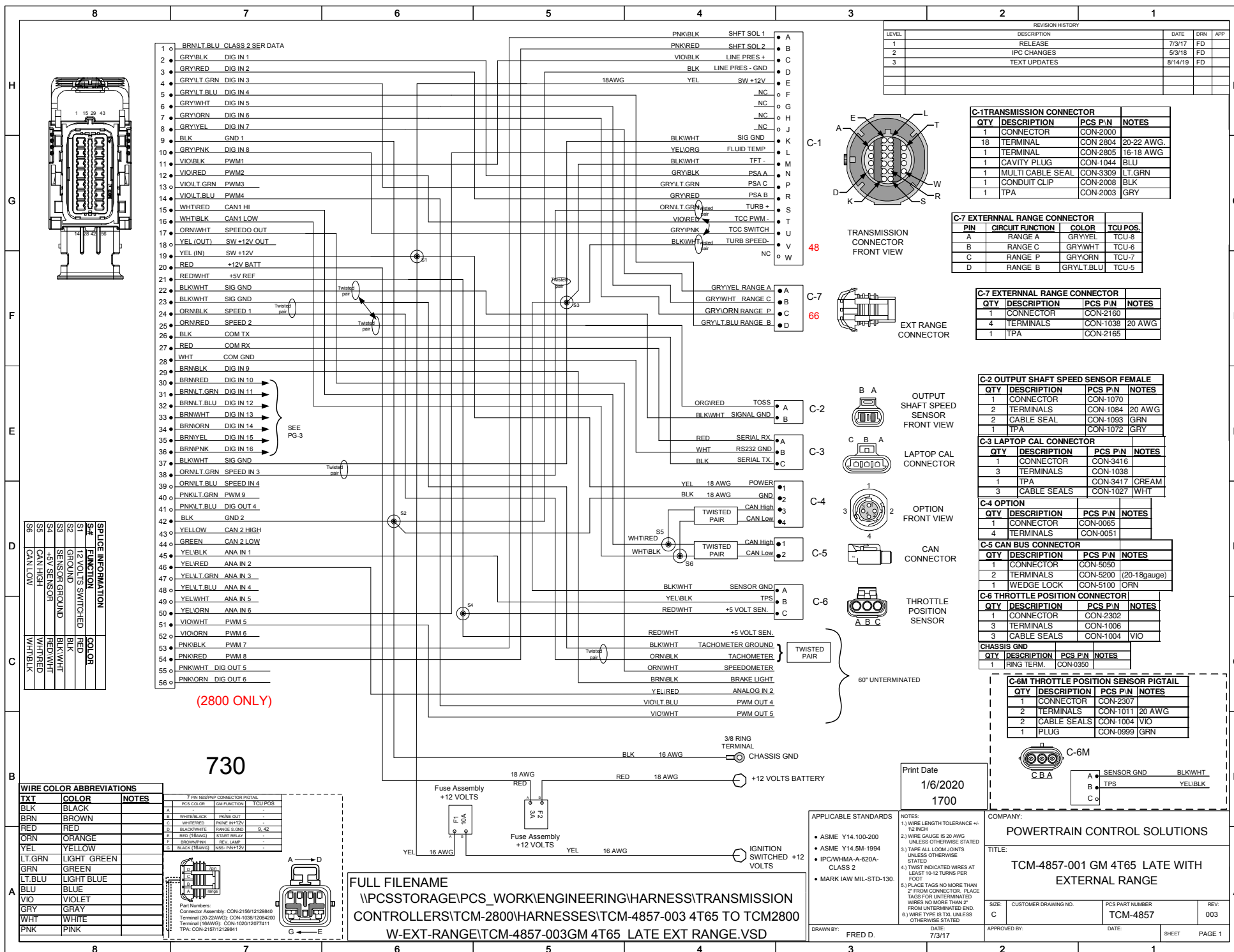




8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56

BRN/LT.BLU CLASS 2 SER DATA

GRYBLK DIG IN 1

GRYRED DIG IN 2

GRY/LT.GRN DIG IN 3

GRY/LT.BLU DIG IN 4

GRYWHT DIG IN 5

GRYORN DIG IN 6

GRYYEL DIG IN 7

BLKWHT SEN GND

GRYPNK DIG IN 8

VIOBLK PWM1

VIORED PWM2

VIO/LT.GRN PWM3

VIO/LT.BLU PWM4

WHTRED CAN1 HI

WHTBLK CAN1 LOW

ORNWHT SPEEDO OUT

YEL(OUT) SW +12V OUT

YEL(IN) SW +12V

RED +12V BATT

REDWHT +5V REF

BLKWHT SIG GND

BLKWHT SIG GND

ORNBLK SPEED 1

ORNRED SPEED 2

BLK COM TX

RED COM RX

WHT COM GND

BRNBLK DIG IN 9

BRNRED DIG IN 10

BRN/LT.GRN DIG IN 11

BRN/LT.BLU DIG IN 12

BRNWHT DIG IN 13

BRNORN DIG IN 14

BRNYEL DIG IN 15

BRNPNK DIG IN 16

BLKWHT SIG GND

ORN/LT.GRN SPEED IN 3

ORN/LT.BLU SPEED IN 4

PNK/LT.GRN PWM 9

VIOWHT DIG OUT 4

BLK GND 2

YELLOW CAN 2 HIGH

GREEN CAN 2 LOW

YELBLK ANA IN 1

YELRED ANA IN 2

YELLT.GRN ANA IN 3

YELLT.BLU ANA IN 4

YELWHT ANA IN 5

YELORN ANA IN 6

VIOWHT PWM 5

VIOORN PWM 6

PNKBLK PWM 7

PNKRED PWM 8

PNKWHT DIG OUT 5

PNKORN DIG OUT 6

SEE PAGE 2 FOR CONNECTIONS

BRNRED TRUE MANUAL MODE

BRN/LT.GRN UP SHIFT

BRN/LT.BLU DOWN SHIFT

BRNWHT CALIBRATION 'B'

BRNORN CANCEL O/D

BRNYEL 4 WID LOW

BRNPNK DYNO MODE

60"

UNTERMINATED GROUP

WIRE COLOR ABBREVIATIONS

WIRE	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	

SPLICE INFORMATION

S#	FUNCTION	COLOR
S1	12 VOLTS SWITCHED	RED
S2	GROUND	BLK
S3	SENSOR GROUND	BLK/WHT
S4	+5V SENSOR	RED/WHT
S5	CAN HIGH	WHT/RED
S6	CAN LOW	WHT/BLK

Print Date

1/6/2020

1700

REVISION HISTORY

LEVEL	DESCRIPTION	DATE	DRN	APP
1	RELEASE	7/3/17	FD	
2	IPC CHANGES	5/3/18	FD	
3	TEXT UPDATES	8/14/19	FD	

APPLICABLE STANDARDS

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

NOTES:

- 1) WIRE LENGTH TOLERANCE +/- 1/2 INCH
- 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

COMPANY:

POWERTRAIN CONTROL SOLUTIONS

TITLE:

TCM-4857-001 GM 4T65 LATE WITH EXTERNAL RANGE

SIZE: C

CUSTOMER DRAWING NO.

PCS PART NUMBER

TCM-4857

REV: 003

APPROVED BY:

DATE: 7/3/17

DRAWN BY: FRED D.

DATE: 7/3/17

SHEET

PAGE 2

