

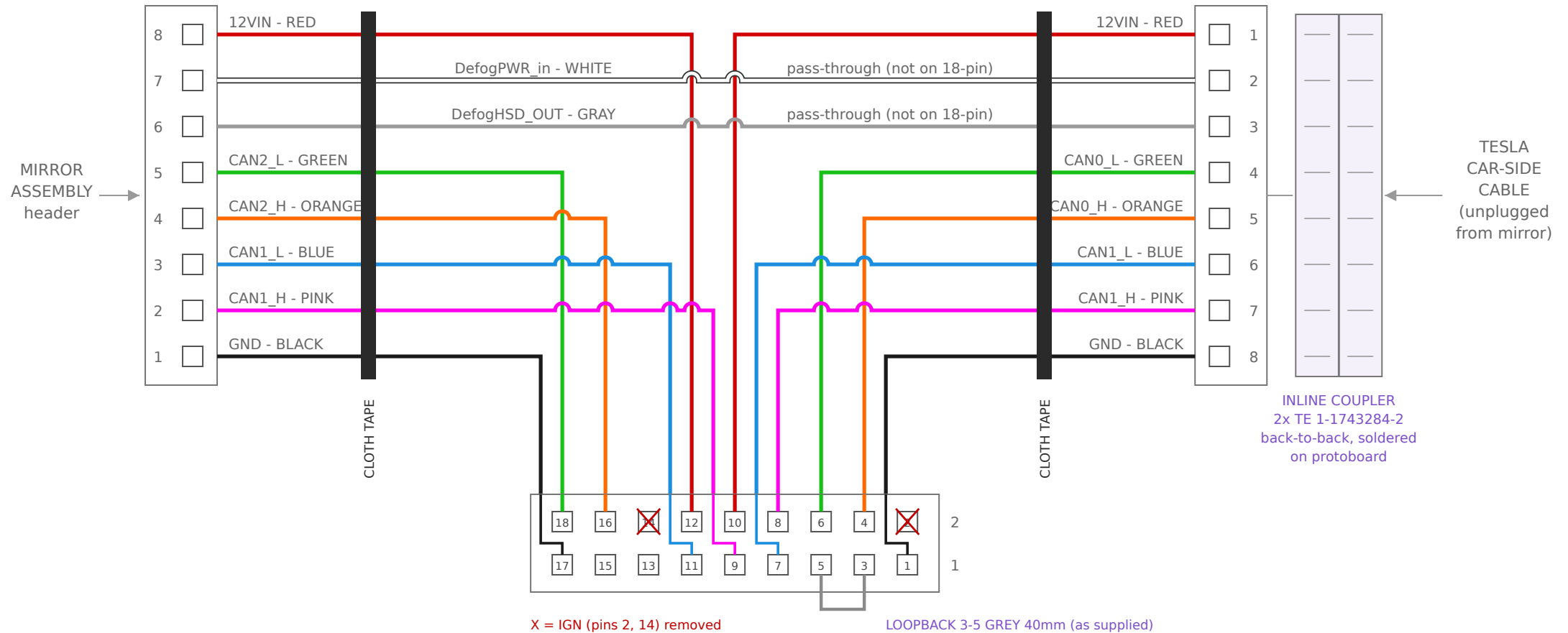
TO MIRROR

Forward camera (NCAP) port
TE 1-1743282-2 MQS 8P plug hsg
Contacts: TE 5-963715-1
Looking at the wire side of the connector

TO CAR

Tesla cable that fed the mirror
TE 1-1743282-2 MQS 8P plug hsg
Contacts: TE 5-963715-1
Looking at the wire side of the connector

Wires: UL1007 26 AWG (match comma Developer Harness)
Car-side pins 1-8 mate to mirror-side pins 8-1 through the coupler
!! Verify +12V with a multimeter. On the Tesla cable the BLUE wire carries +12V, not the red one. Never trust wire colours.



Molex 501646-1800 (comma Developer Harness, to harness box)
Pins: 501648-1000 Looking at the wire side of the connector

PINOUT

Signal	Car	Molex car	Wire	Molex mir.	Mirror	Comma net
+12V	1	10	RED	12	8	12VIN
DefogPWR_in	2	-	WHITE	-	7	-
DefogHSD_OUT	3	-	GRAY	-	6	-
Camera CAN -	4	6	GREEN	18	5	CAN0_L / CAN2_L
Camera CAN +	5	4	ORANGE	16	4	CAN0_H / CAN2_H
Radar CAN -	6	7	BLUE	11	3	CAN1_L
Radar CAN +	7	8	PINK	9	2	CAN1_H
GND	8	1	BLACK	17	1	GND

Based on commaai/hardware_harness/v3
Developer_Harness (you can copy this!)

TITLE: Tesla_API

Design by:
Jack Stromberg (jackstromberg.com)

REV:
A

Date: 20 Oct 2026

Sheet: 1/1