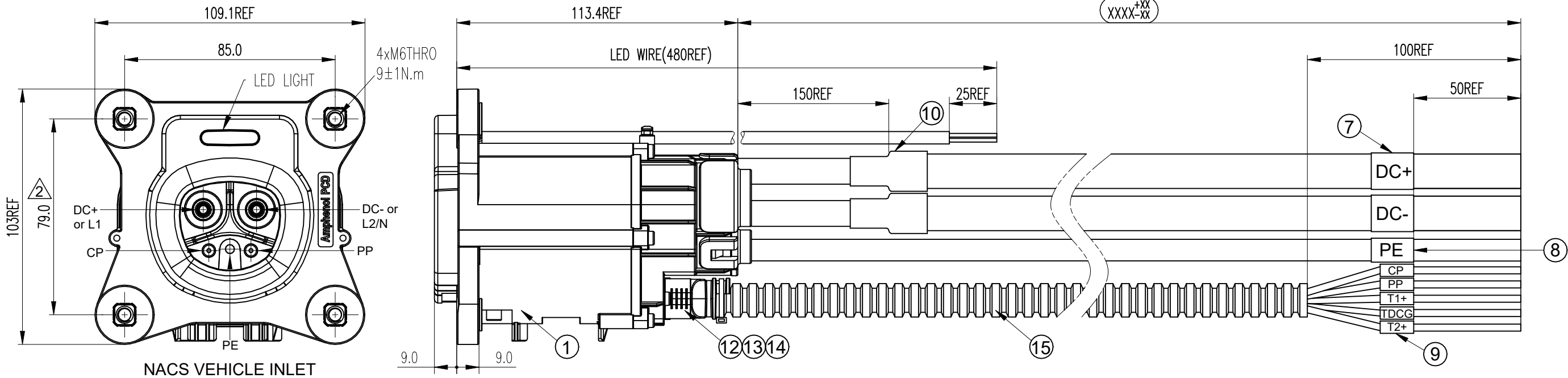


REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Nov-01-2023	Jonny
2	R7941N	UPDATED INLET DIMENSIONS	Mar-28-2024	Jonny

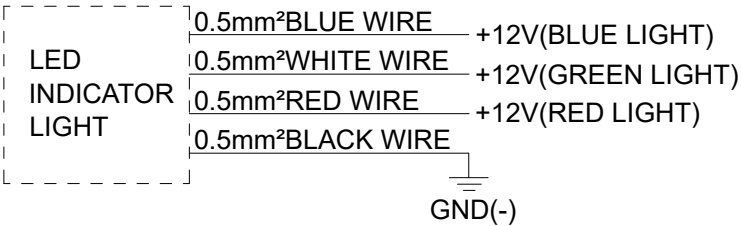


HVCONF0103DL XXXX

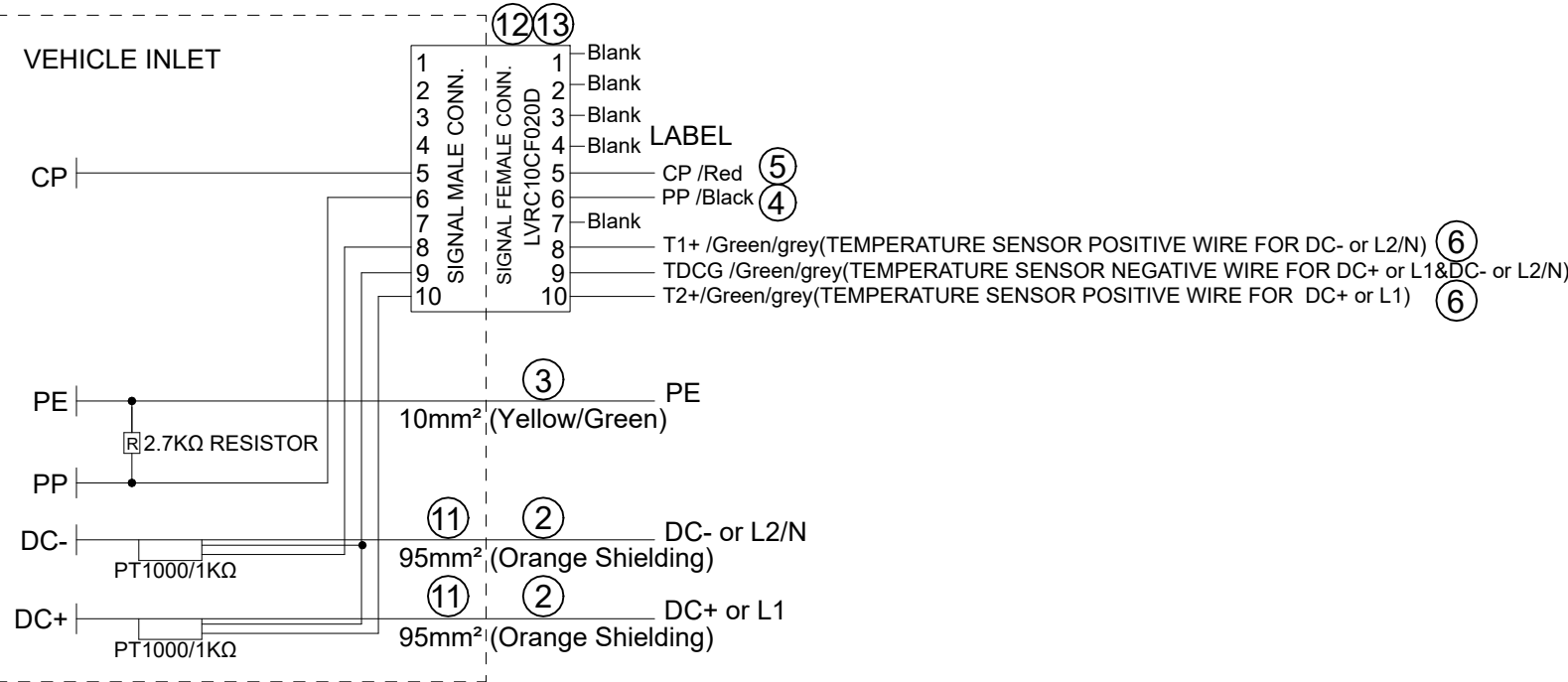
LENGTH	TOLERANCE
0~1000mm	+25 -10
1001~5000mm	+40 -10
>5000mm	+50 -20

DIMENSIONS ANSI Y14.5M UNITS: MM CAD FILE	TOLERANCES .X ± 0.5 .XX ± 0.05 ANGLES ± 2.0°		Amphenol PCD Shenzhen		TITLE NACS Vehicle Inlet DC1000V/350A;With 12V LED Cable Assembly				
			ENGR						
			Jonny						

WIRE DIAGRAM FOR LED INDICATOR LIGHT



CABLE CONNECT METHOD



*Notes:

1.Cable Assembly Data:

✦ Rated Voltage&Rated Current:

DC:1000V DC, 350A Max;

PE: 10mm² Ground;

CP:30V DC 2A;

PP:30V DC 2A;

✦ Insulation Resistance:100MΩ Min(DC 1000V /DC+&DC-);

100MΩ Min(DC 500V /CP);

✦ Withstand Voltage:3000V/AC r.m.s(DC+&DC-);

500V/AC r.m.s(CP);

✦ IP-CLASS: IP44(Mated)

IP67&IP6K9K(INNER AREA OF VEHICLE INLET)

◎Durability:10000 cycles(NACS PLUG);

✦RoHS Compliance;

Ambient Temperature: -30°C to +50°C;

Insertion & Withdrawal Force: <100N

2.NACS Inlet Reference: C-HVCONF01XXD

3.NACS Inlet Reference Standard: UL2251;SAE J3400

4.The cable should be fixed at 100mm max from the rear of connector

5.Cable Minimum Bending Radius:≥5OD

6.E-Lock to be ordered separately P/N: HVEL12NS001,Mounting torque is 0.5±0.025 N.m

⑮	P05Z000089	CONVOLUTED TUBING BLACK: 8.5*11.5mm	AR	m
⑭	C210003609	CABLE TIE BLACK	1	EA
⑬	P01BS00025	SIGNAL TERMINAL: P01BS00025 FOR 0.5-0.75mm²	5	EA
⑫	LVRC10CF020D	SIGNAL CONNECTOR: LVRC10CF020D 10POS	1	EA
⑪	P05B000021	SINGLE-WALL H.S.T: Ø25mm BLACK	0.10	m
⑩	C210006502	DOUBLE-WALL H.S.T: Ø25mm BLACK	0.15	m
⑨	C210006837	SINGLE-WALL H.S.T: Ø3.2mm WHITE	0.10	m
⑧	C210021008	SINGLE-WALL H.S.T: Ø8.0mm WHITE	0.05	m
⑦	C210004341	SINGLE-WALL H.S.T: Ø25mm WHITE	0.10	m
⑥	P01BC00159	1C*0.75mm² UNSHIELDING, GREEN/GREY, XLPE, OD1.8±0.1	AR	m
⑤	P01BC00187	1C*0.75mm² UNSHIELDING, RED, XLPE, OD1.8±0.1	AR	m
④	P01BC00186	1C*0.75mm² UNSHIELDING, BLACK, XLPE, OD1.8±0.1	AR	m
③	P01BC00242	1C*10mm² UNSHIELDING, YELLOW/GREEN, XLPE, OD6.20±0.25	AR	m
②	P01BC00245	1C*95mm² SHIELDING, ORANGE, XLPE, ID16.5±0.4, OD20.5±0.4	AR	m
①	HVCONF0103D	NACS VEHICLE INLET: HVCONF0103D, 350A, WITH 12V LED	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

SIZE	DWG NO.	REV
A3	C-HVCONF0103DLXXXX	2
SCALE	N/A	SHEET 2 OF 2