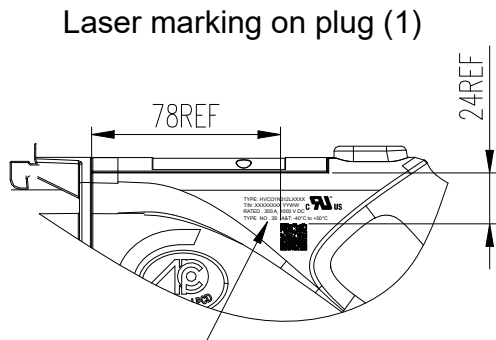
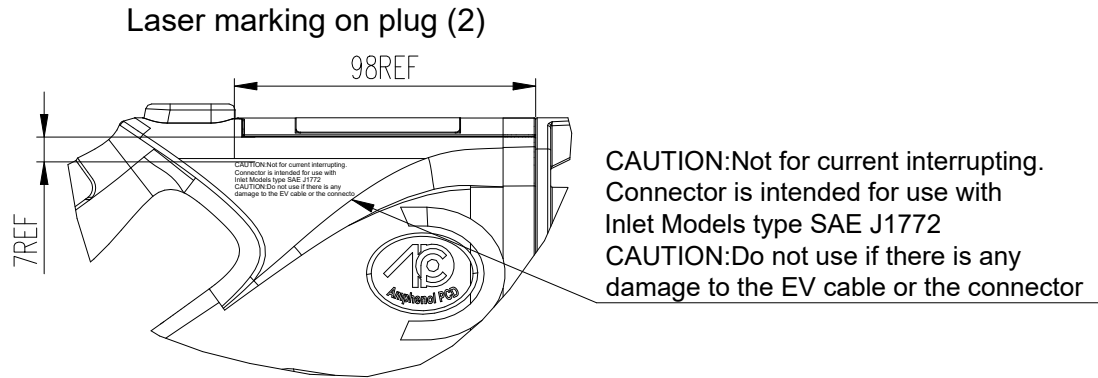
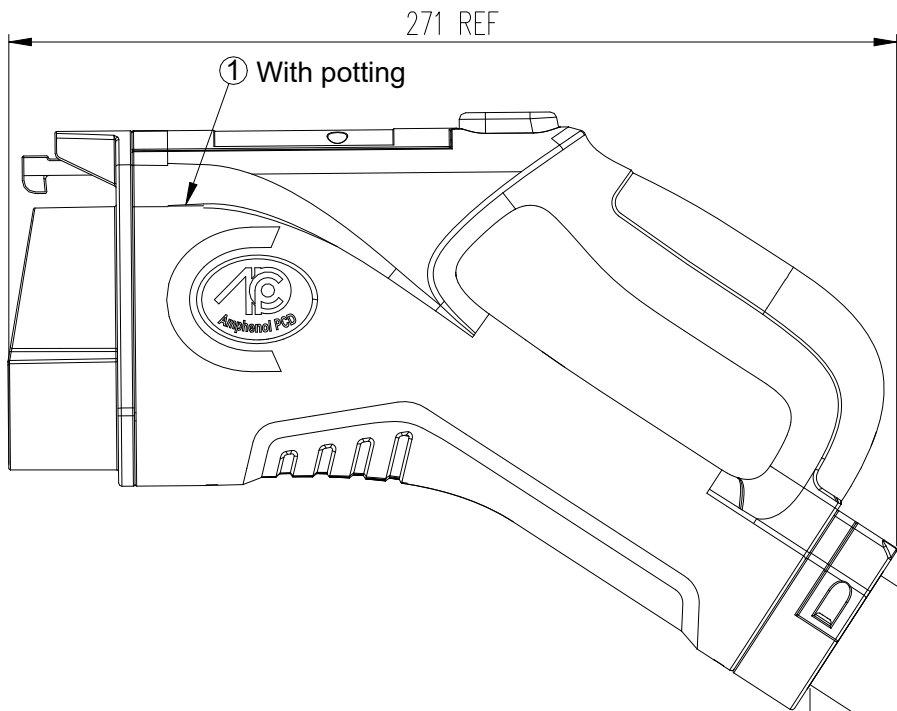
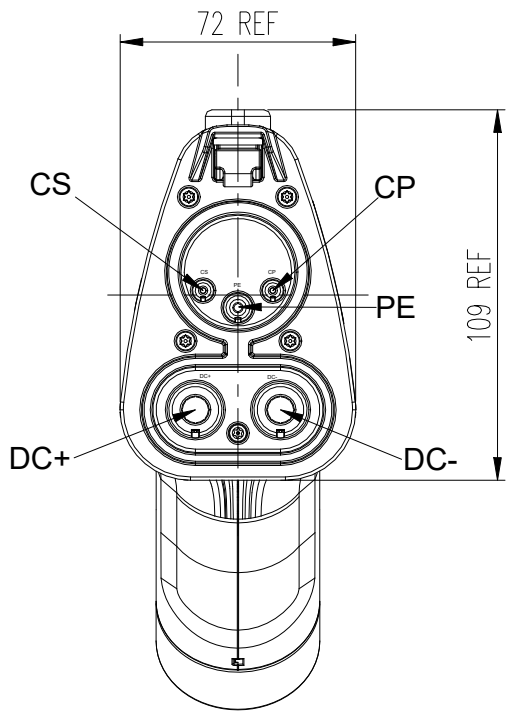
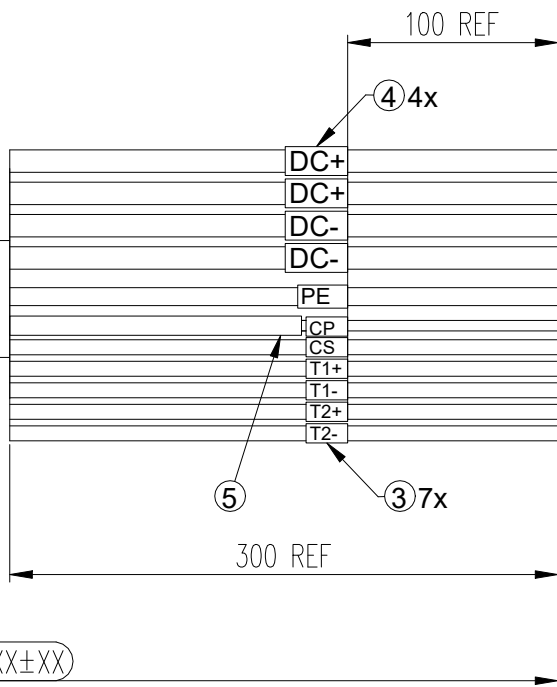


REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Aug-27-2025	

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



TYPE: HVCO1N312LXXXX
T/N: XXXXXXXX YYWW
RATED . 350 A, 1000 V DC
TYPE NO . 3S A&T: -40°C to +50°C
T/N:XXXXXXXX YYWW
YYWW: Year/Week
XXXXXXXX: Work order number+batch number
LXXXX: XXXX=Cable length



LENGTH	TOLERANCE
0 to 1000mm	±50
1001 to 5000mm	±100
>5000mm	±200

DIMENSIONS	TOLERANCES	PROJECTION	TITLE			
ANSI Y14.5M	.X ± 0.50		Amphenol PCD Shenzhen			
UNITS: MM	.XX ± 0.05		ENGR			
CAD FILE	ANGLES ± 2°		GEN3 CCS1 CONNECTOR 350A 1000V F/R 4X0AWG CABLE ASSEMBLY			
ORIGINAL	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF Amphenol PCD Shenzhen Co. Ltd Amphenol PCD Shenzhen Co. Ltd RESERVES THE RIGHT TO CLARIFY THIS DRAWING	CHKD	SIZE	DWG NO.		REV
		APPD	A3	C-HVCO1N312LXXXX		1
				SCALE	1:1	

安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

受 控 文 件

2025年9月8日

NOTES:

1. Cable assembly data:

1>. Ambient Temperature: -40°C to +50°C
(+55°C max, Current reduction required,
when the maximum temperature is beyond 90°C)

✦ 2>. Rated Voltage, Rate Current:
CP, CS: DC 30V ,2A;
DC+, DC-: DC 1000V, 350A

✦ 2. Outdoor Use: UL Type 3S (Water resistant); IP67 (Enclosure)

◎ 3. Durability: 20000 cycles (Replaceable)

4. The Type Of Temperature Sensor: PT1000

✦ 5. Dielectric Withstand Voltage :
DC+, DC-, PE: 3000V AC; CP, CS, thermistor wires: 500V AC

✦ 6. Insulation Resistance Test: DC+, DC-, PE: DC 1000V, 100MΩ Min
CP, CS, thermistor wires: DC 500V, 100MΩ Min

7. Reference For SAE J1772 ,UL2251

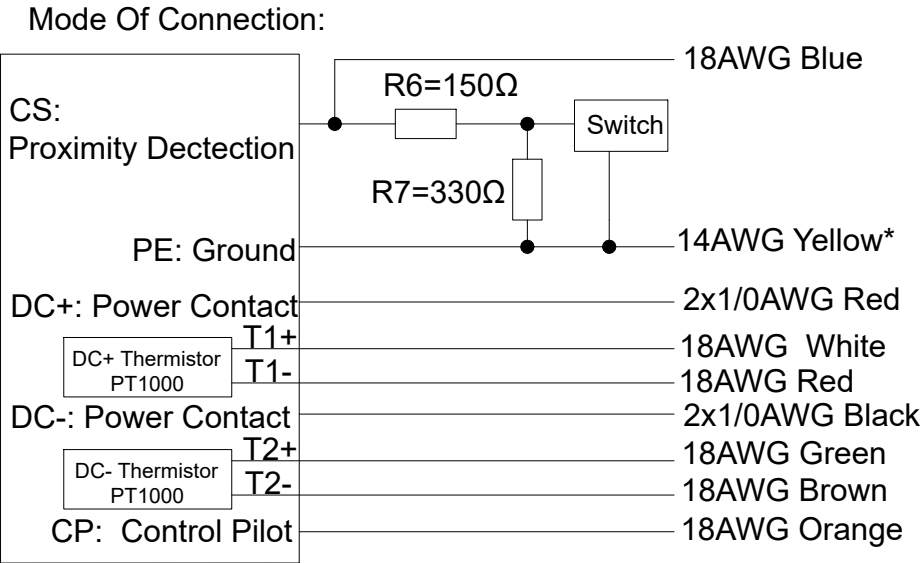
8. Charge gun assembly reference: C-HVCO1NX12

✦ 9. RoHS Compliance

10. Cable minimum bending radius: 5xOD (Static applications); 10xOD (Dynamic applications)

11. Weight of Cable: app 2670g/m

*- Ground wire is suitable for isolated DC EV supply equipment as reference earth
or function earth.



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⑤	C210000080	SINGLE-WALL H.S.T: Ø5.0 BLACK	0.20	m
④	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE	0.08	m
③	P05B000029	SINGLE-WALL H.S.T: Ø3.0 WHITE	0.14	m
②	CABLE	4X1/0AWG+14AWG+6X18AWG BK OD36.5mm	AR	m
①	HVCO1N412	CCS1 350A PLUG,1000V,BLACK, REPLACEABLE	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT
		SIZE	DWG NO.	REV
		A3	C-HVCO1N312LXXXX	1
		SCALE	1:1	SHEET 2 OF 2