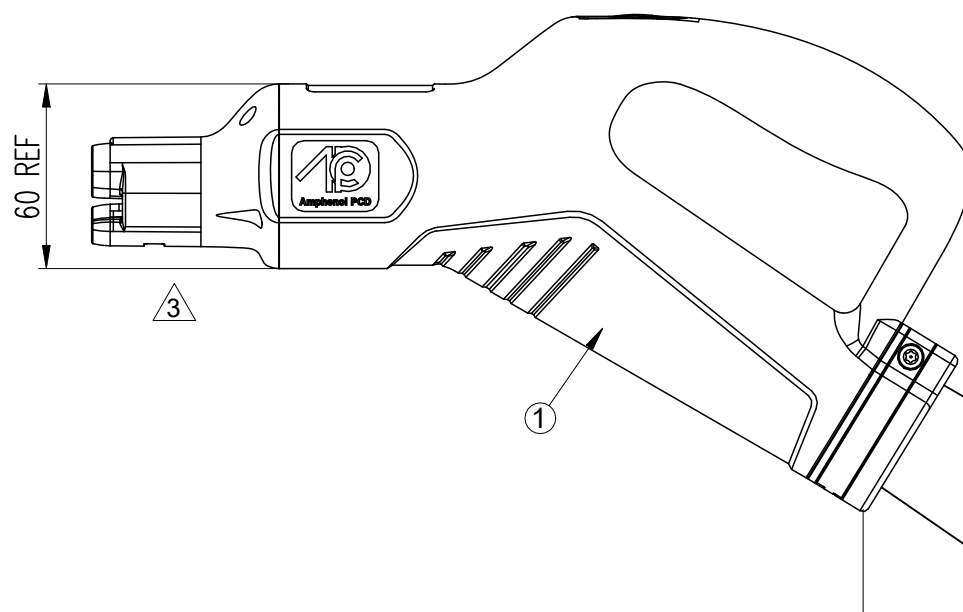
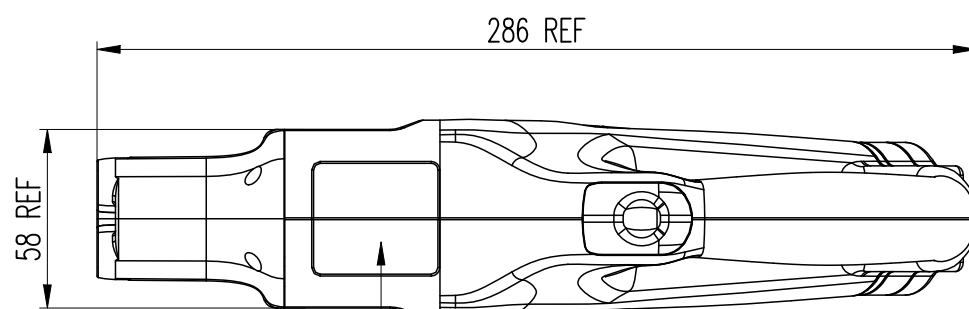


Diagram illustrating the rear view of the device, showing connection points for:

- DC- (Negative DC connection)
- DC+ (Positive DC connection)
- PP (Power Pin)
- CP (Control Pin)
- Ground



Screw Torque:3-4 kgf.cm



CN:Made in China
MX:Made in Mexico

8 REF

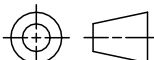


```
(ex:HVCON4MB600APLXXXX#XXXXXX#XXXX)
```

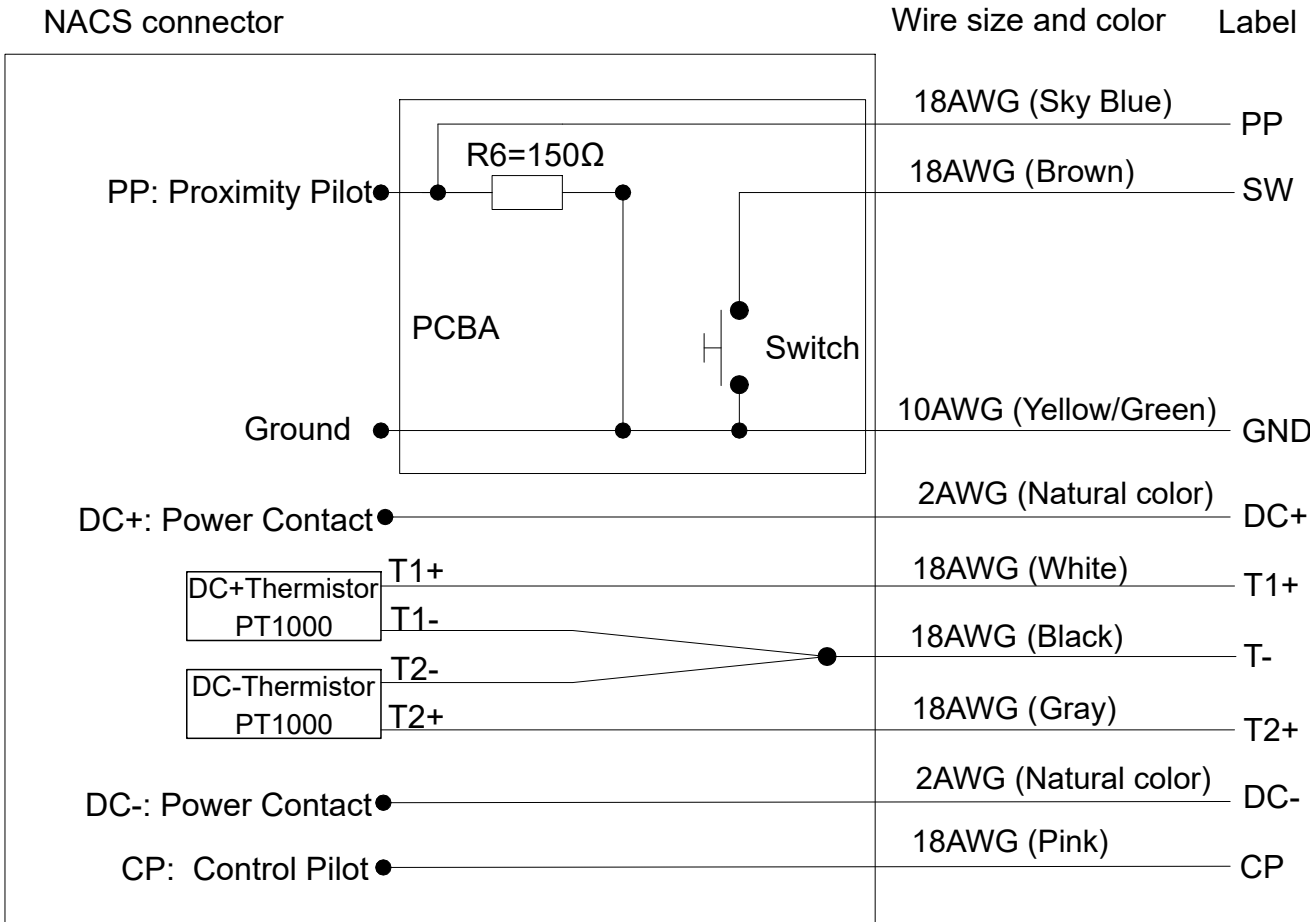
Total Length	Tolerance
0~1000mm	±50
1001~5000mm	±100
>5000mm	±200

[illegible]

⑪ 2x Thermistor wires —
⑩ 2x Length is 1.5m Ref

DIMENSIONS		TOLERANCES		PROJECTION		Amphenol PCD Shenzhen		TITLE GEN3 NACS CONNECTOR LCC 600A 1000V WITHOUT UHF F/R 2X2AWG CABLE ASSEMBLY									
ANSI Y14.5M		.X ± 0.50				ENGR		SIZE A3						DWG NO. C-HVCON4MB600APLXXXX		REV 3	
UNITS: MM		.XX ± 0.05															
CAD FILE		ANGLES ± 2°															
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		SCALE 1 :2						SHEET 1 OF 2			
						APPD											

DC Mode of Connection Without UHF



- *Notes:**
- 1.Cable assembly data:
 - ✦ Rated Voltage: 1000V DC (DC+ & DC-), 30V DC (CP & PP);
 - ✦ Rated Current: 600A Max with coolant, 150A Max without coolant (DC+ & DC-)
@ the max permissible temperature is 90°C
2A Max (CP & PP);
 - ✦ Insulation Resistance: 100MΩ Min, 1000V DC(DC+, DC-, PE)
100MΩ Min, 500V DC(CP, PP, Thermistor wire)
 - ✦ Withstand Voltage: 4200V / DC (DC+, DC-, PE);
700V / DC (CP, PP, Thermistor wire);
The insulation resistance and withstand voltage test cannot be performed between the wires on the PCB board; For Withstand Voltage test need to use with Direct current;
 - ✦ IP-Class: IP67 (enclosure); Type 3S (Plugged in)
 - ✦ RoHS Compliance
- ◎2. Ambient Temperature: -40°C to +50°C (+55°C max,Current reduction required, when the working temperature is beyond 90°C)
3. NACS Plug reference: C-HVCONXMXXXXAXL0000X
4. Cable Minimum Bending Radius: ≧8XOD (Static applications); ≧10XOD (Dynamic applications)
5. Durability: ≧ 20, 000 cycles (Replaceable)
6. Working Pressure: 0~7bar;
Cooling Medium: DI-water+glycol or Dielectric coolant

2
7. Weight of Cable Without Coolant: app 1.40kg/m
8. Thermistor: PT1000, Qty: 4
9. Standard: J3400 complaint

⑫	C210021008	SINGLE-WALL H.S.T: Ø8.0 WHITE	0.08	m
⑪	P01BN01166	SCREW TO INSTALL PT1000 SENSOR M4XL8	2	EA
⑩	P01BN01469	PT1000 SENSOR WITH 1500mm WIRE	2	EA
⑨	C210000080	SINGLE-WALL H.S.T: Ø5.0 BLACK	0.80	m
⑧	P01BN03154	OUTLET PIPE,PTFE, COILED L=2000Ref	2.0	EA
⑦	C210000081	SINGLE-WALL H.S.T: Ø5.0 WHITE	0.03	m
⑥	C210021010	SINGLE-WALL H.S.T: Ø14 WHITE	0.06	m
⑤	P05B000029	SINGLE-WALL H.S.T: Ø3.0 WHITE	0.12	m
④	P02B000699	CABLE GLAND	1	EA
③	P02B00099201	TERMINAL ASSEMBLY OF DC WIRE,M8	2	EA
②	CABLE	2x2AWG+TUBES+10AWG+8x18AWG Black OD=34±1	AR	m
①	HVCON4MB600A	NACS 600A COOLING VEHICLE CONNECTOR 2PT1000	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

SIZE	DWG NO.	REV
A3	C-HVCON4MB600APLXXXX	3
SCALE	NA	SHEET 2 OF 2