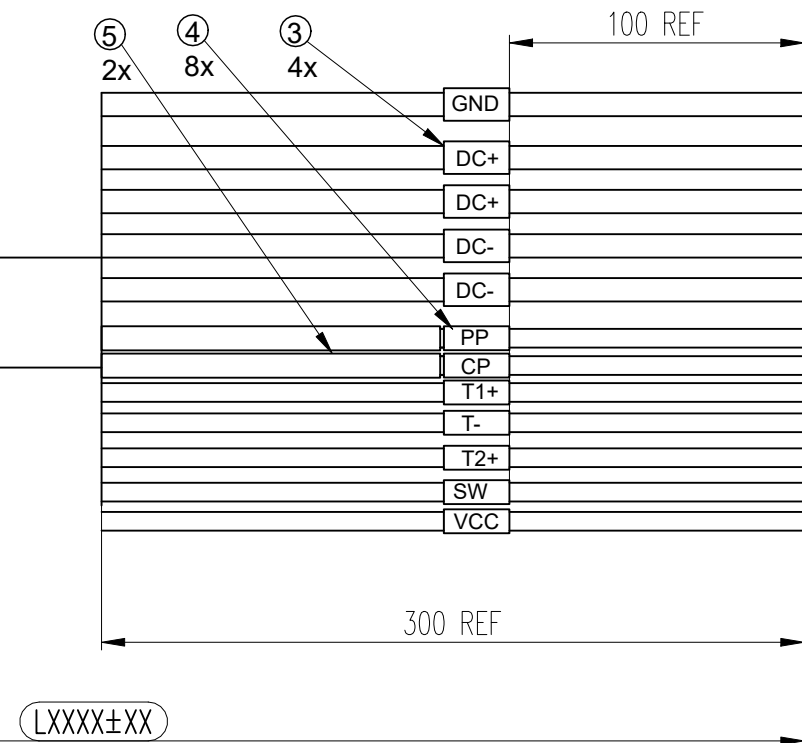
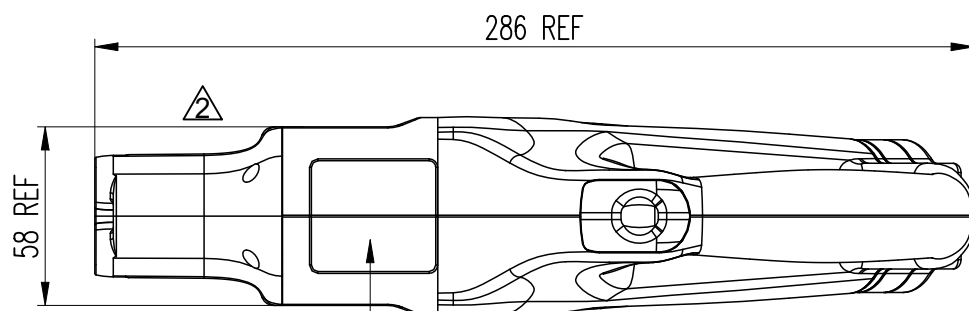
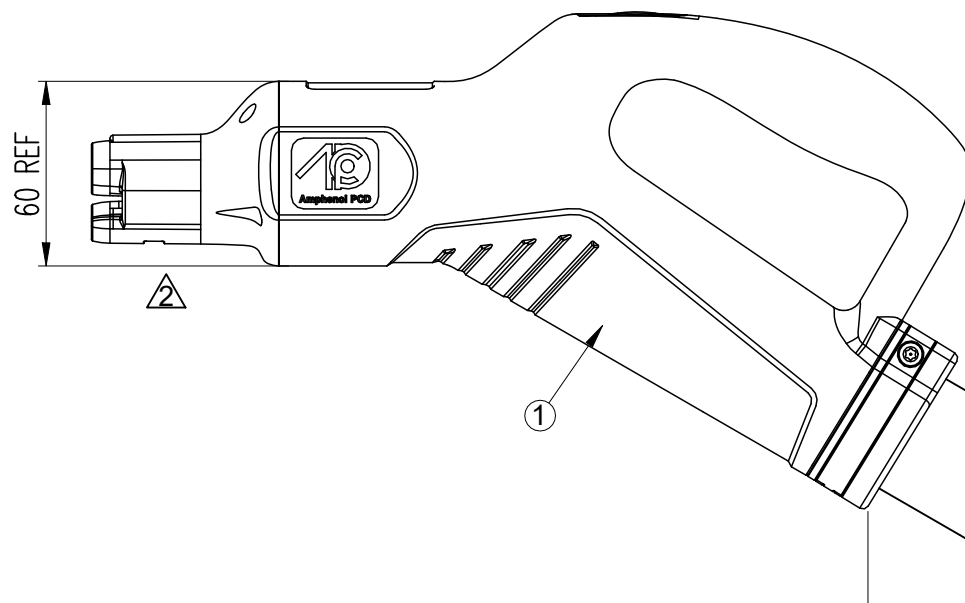


Diagram showing the front view of the probe head. Labels indicate the DC- (top left), PP (top center), and Ground (top right) connections.



Laser marking on plug

TYPE: HVCON3MB400APLXXXXU
T/N: XXXXXXXX YYWW
Rated: 400A, 1000Vdc
A&T: -40°C to +40°C

CAUTION: Not for current interrupting.
CAUTION: Do not use if there is any
damage to the EV cable or the connector
IP-Class: Type 3S XX 



CN:Made in China
- MX:Made in Mexico

T/N:XXXXXXXX YYWW

Work order number + batch number+year+Week

Font: Arial

QR code Content including:

Part number

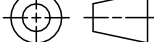
#Work order number

```
#Serial number ex:0001
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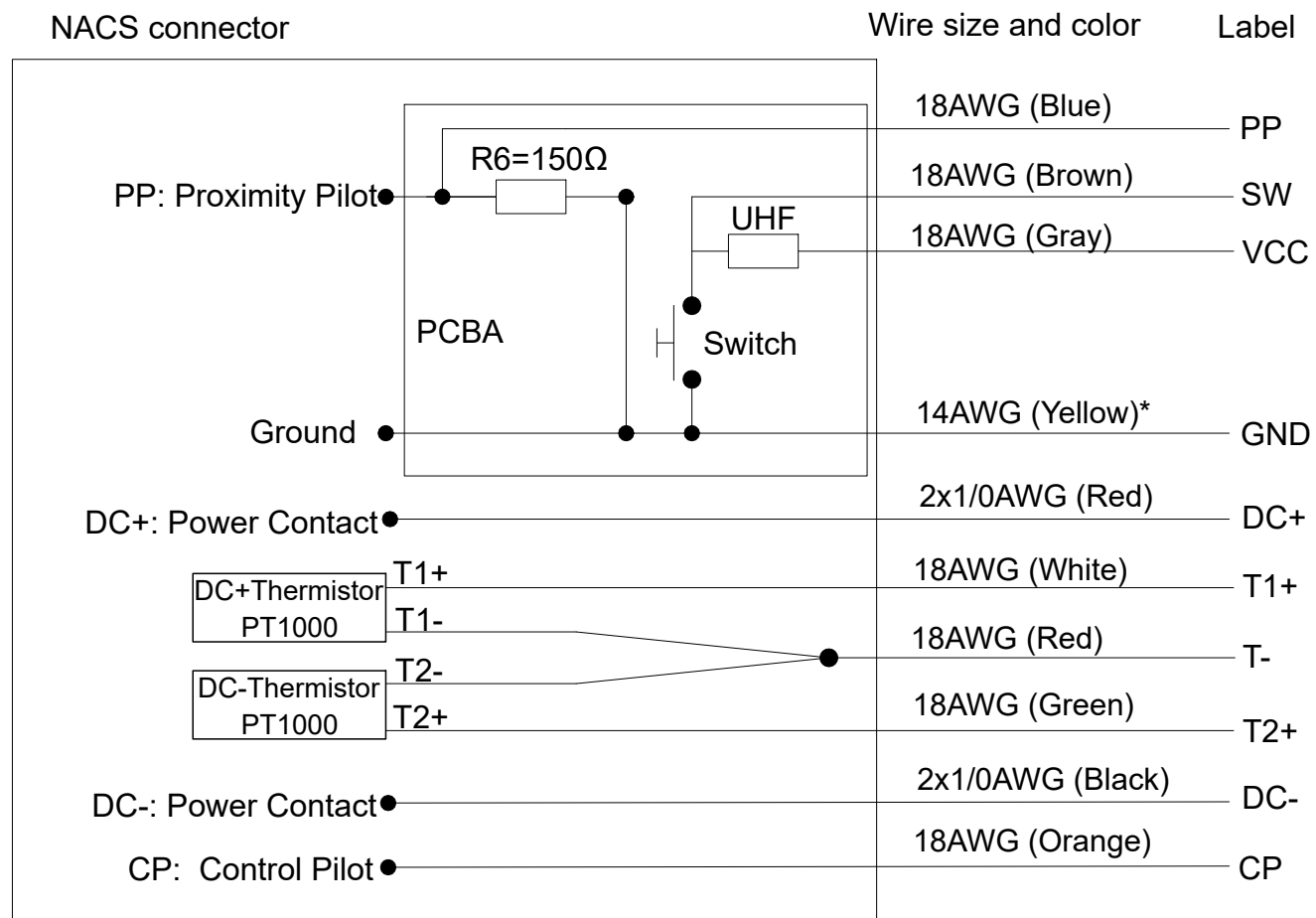
(ex:HVCON3MB400APLXXXXU#XXXXXX#XXXX)



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

DIMENSIONS		TOLERANCES		PROJECTION		Amphenol PCD Shenzhen		TITLE					
ANSI Y14.5M		.X ± 0.50				ENGR Aug-26-2025		GEN3 NACS CONNECTOR 400A 1000V WITH UHF F/R 4X1/0AWG CABLE ASSEMBLY					
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		SIZE		DWG NO.		REV	
						APPD		A3		C-HVCON3MB400APLXXXXU		2	
								SCALE 1 :2		SHEET 1 OF 2			

DC Mode of Connection WITH UHF



*Notes:

1. Cable assembly data:
 - ✦ Rated Voltage: 1000V DC (DC+, DC-), 30V DC(CP, PP);
 - ✦ Rated Current: 400A Max (DC+, DC-) @ the max permissible temperature is 90°C
2A Max (CP, PP);
 - ✦ Insulation Resistance: 100MΩ Min, 1000V DC(DC+, DC-, GND)
100MΩ Min, 500V DC(CP, PP, Thermistor wire)
 - ✦ Withstand Voltage: 4200V / DC (DC+, DC-, GND);
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 +40°C (+55°C max, Current reduction required, when the working temperature is beyond 90°C)
3. VCC: 5-15V; <100mA; UHF Transmitting Frequency: 315MHz
4. NACS Plug reference: C-HVCONMXXXXAXL0000X
5. Cable Minimum Bending Radius: 5xOD (Static applications); 10xOD (Dynamic applications)
6. Durability: ≥ 20,000 cycles (Replaceable)
7. Weight of Cable: app 2670g/m
8. Standard: UL2251, SAE J3400 complaint

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

⑤	C210000080	SINGLE-WALL H.S.T: Ø5.0 BLACK		0.40	m
④	P05B000029	SINGLE-WALL H.S.T: Ø3.0 WHITE		0.16	m
③	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE		0.08	m
②	CABLE	4X1/0AWG+14AWG+7X18AWG BLACK OD36.5		AR	m
①	HVCON3MB400APL0000U	NACS 400A PLUG BLACK WITH UHF- REPLACEABLE		1	EA
ITEM	P/N	DESCRIPTION			QTY UNIT
		SIZE	DWG NO.	REV	
		A3	C-HVCON3MB400APLXXXXU	2	
		SCALE NA		SHEET 2 OF 2	