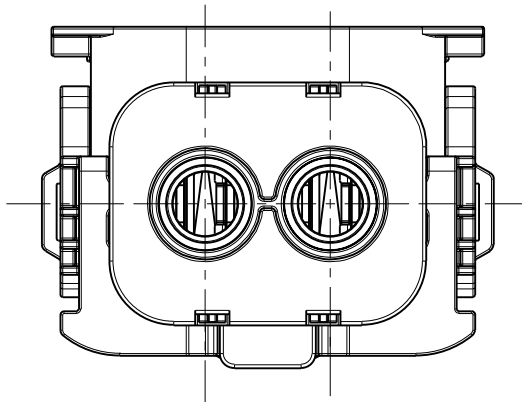
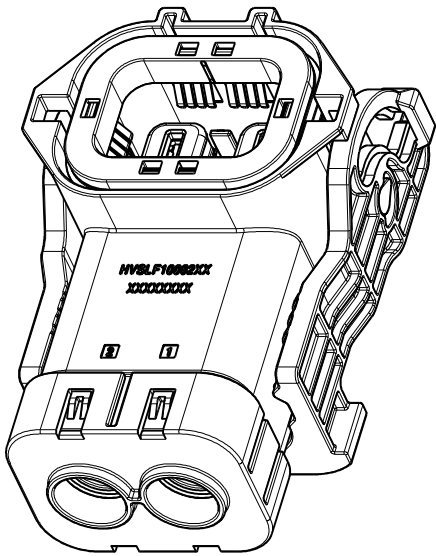
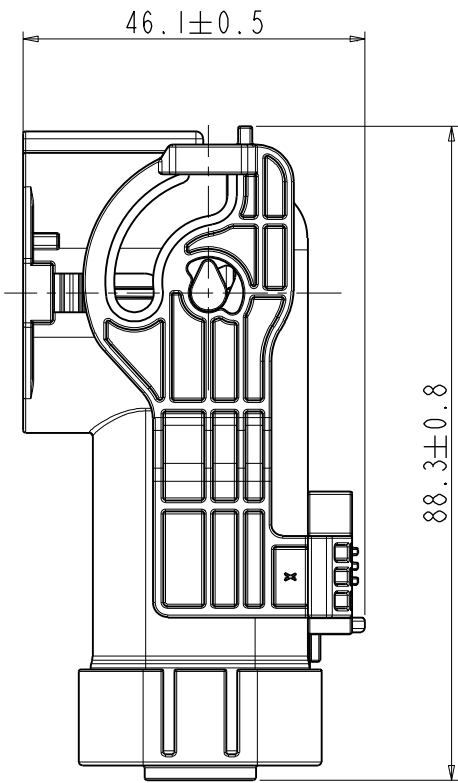
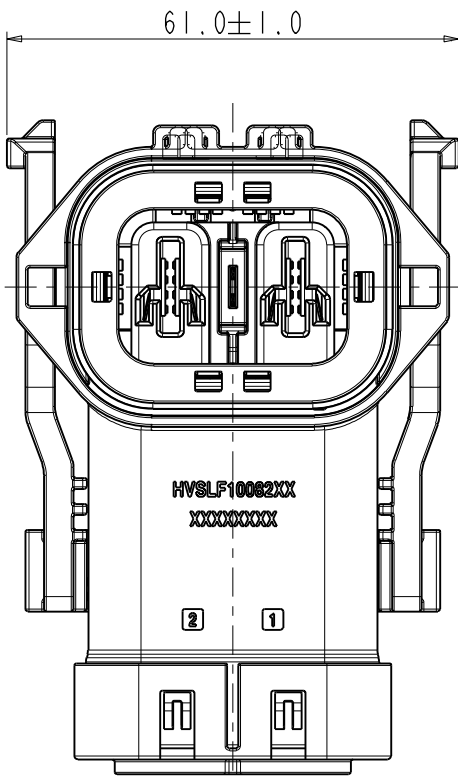


Amphenol PCDSZ
ORIGINAL
PDF Format
R&D

C-HVSLF10082XXXX

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE- RELEASE	Jun-10-2025	
2	R09494N	Improve the prouduct polarization feature effectiveness	Aug-20-2025	
3	R09853	Terminal clip with added rib structure	Jun-06-2026	



2.PART NUMBERING SCHEME:

HVSLF 10 08 2 X X XX

CODE	KEY X
A	KEY A
B	KEY B
C	KEY C

CODE	DESCRIPTION
0	WITHOUT HVIL
1	WITH HVIL

01:CROSS-SECTION 25mm²
WIRE OD=11.9±0.3mm
02:CROSS-SECTION 16mm²
WIRE OD=9.9±0.3mm

3.TECHNICAL DATA TABLE

TECHNICAL DATA		
CURRENT RATE (25MM^2 SHIELD CABLE)	125A @ AMBIENT 70°C	+
CURRENT RATE (16MM^2 SHIELD CABLE)	100A @ AMBIENT 70°C	+
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1000V DC	+
OPERATING TEMPERATURE	-40 TO 125°C	
DIELECTRIC WITHSTANDING VOLTAGE	3000V AC(RMS)	+
INSULATION RESISTANCE	200MΩ MIN.@25°C	+
DURABILITY	50 CYCLES	◎
SHIELDING	YES	
WATERPRROF (MATED CONDITION)	IP67, IP6K9K	+
PROTECTION LEVEL(UNMATED)	IP2XB	+
AMBIENT TEMPERATURE	-40 TO 70°C	
RoHS & REACH	YES	+

NOTES:

1. MATERIAL & FINISH:

PLASTIC BODY: THERMOPLASTICS ORANGE COLOR
POWER CONTACT: COPPER ALLOY SILVER
HVIL CONTACTS: COPPER ALLOY TIN PLATED
SEAL RING: SR

DIMENSIONS	TOLERANCES	PROJECTION	TITLE				
ANSI Y14.5M	.X ±0.5		Plug 90 ° 2Pin 100-125A with 16-25mm ²				
UNITS: MM	.XX ±0.05		ENGR Dick Rao				
Pro/E 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-HVSLF10082XXXX		3	
				SCALE: 1:2		SHEET 1 OF 3	

HVSLF10082X0XX	7	P0IBP0143902	16mm ²	RA PLUG END CAP 16mm ²	1
		P0IBP0143901	25mm ²	RA PLUG END CAP 25mm ²	1
	6	P0IBR01314	16mm ²	CABLE SEALING 16mm ²	1
		P0IBR01268	25mm ²	CABLE SEALING 25mm ²	1
	5	P0IBP01438	N/A	RA PLUG PADS	1
	4	P0IBM02922	16mm ²	INNER SHIELD RING	2
		P0IBM02809	25mm ²	INNER SHIELD RING	2
	3	P0IBS0064602	16mm ²	OUTER SHIELDING RING	2
		P0IBS0064601	25mm ²	OUTER SHIELDING RING	2
	2	P0IBS00650	N/A	POWER PIN	2
ASSEMBLY P/N	1	TABLE 2	N/A	MAIN BODY & WITHOUT HIVL	1
	ITEM	COMPONENT P/N	CABLE SIZE	DESCRIPTION	Q'TY

HVSLF10082X1XX	7	P0IBP0143902	16mm ²	RA PLUG END CAP 16mm ²	1
		P0IBP0143901	25mm ²	RA PLUG END CAP 25mm ²	1
	6	P0IBR01314	16mm ²	CABLE SEALING 16mm ²	1
		P0IBR01268	25mm ²	CABLE SEALING 25mm ²	1
	5	P0IBP01438	N/A	RA PLUG PADS	1
	4	P0IBM02922	16mm ²	INNER SHIELD RING	2
		P0IBM02809	25mm ²	INNER SHIELD RING	2
	3	P0IBS0064602	16mm ²	OUTER SHIELDING RING	2
		P0IBS0064601	25mm ²	OUTER SHIELDING RING	2
	2	P0IBS00650	N/A	POWER PIN	2
ASSEMBLY P/N	1	TABLE 1	N/A	MAIN BODY & WITH HIVL	1
	ITEM	COMPONENT P/N	CABLE SIZE	DESCRIPTION	Q'TY

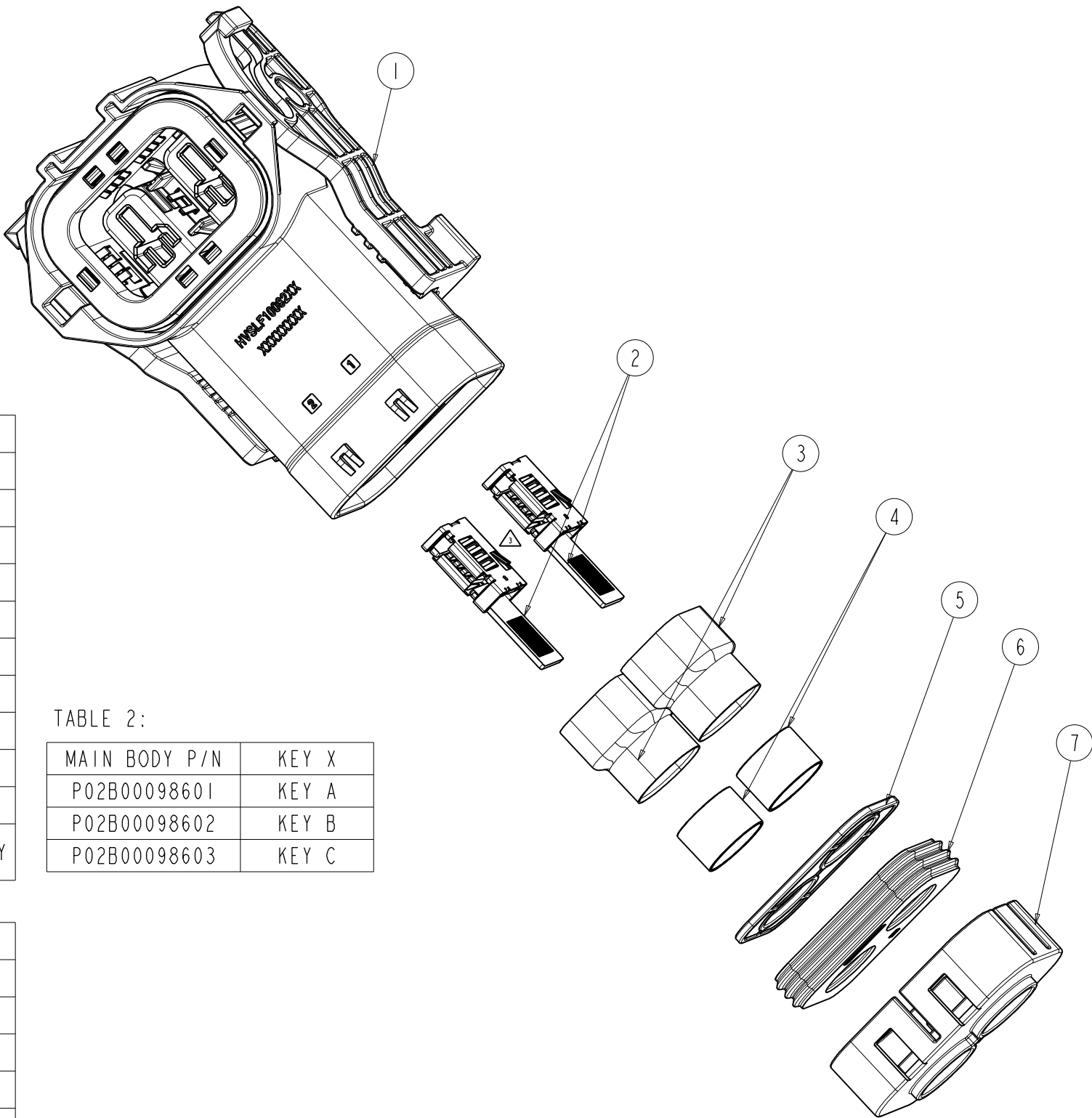


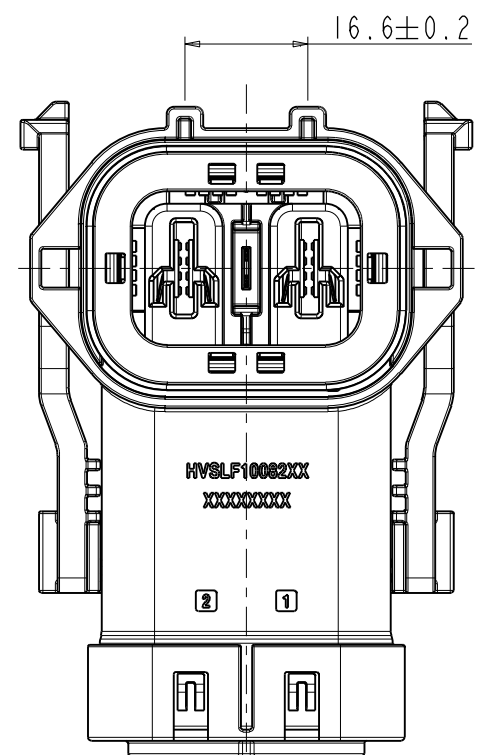
TABLE 2:

MAIN BODY P/N	KEY X
P02B00098601	KEY A
P02B00098602	KEY B
P02B00098603	KEY C

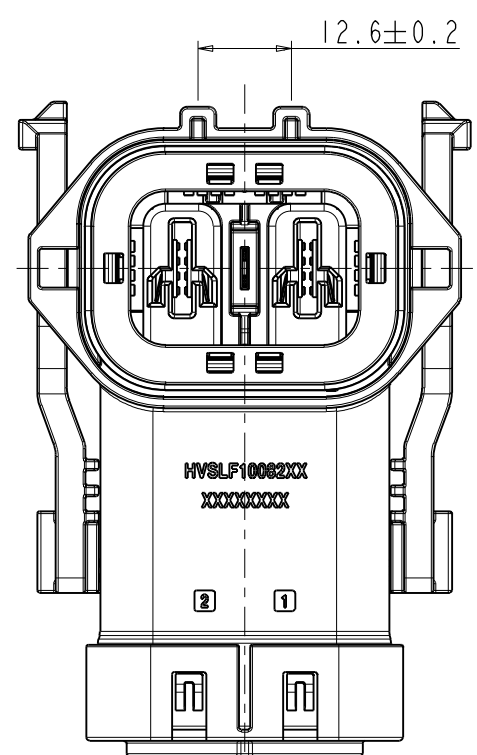
TABLE 1:

MAIN BODY P/N	KEY X
P02B00098501	KEY A
P02B00098502	KEY B
P02B00098503	KEY C

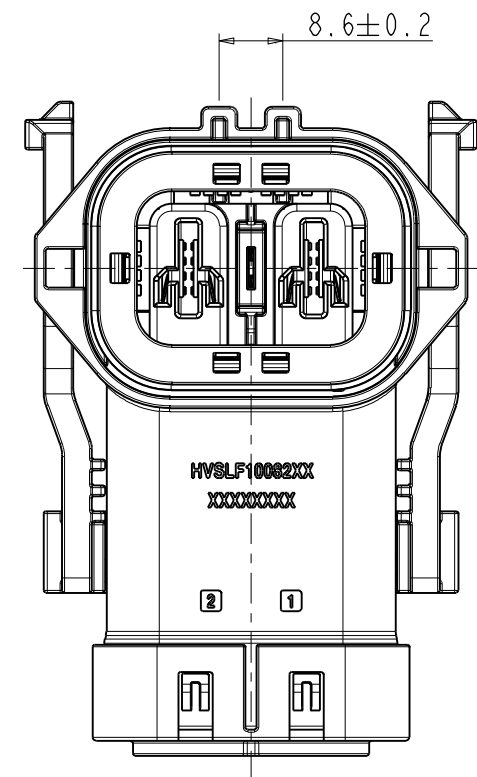
SIZE	DWG NO.	REV
A3	C-HVSLF10082XXXX	3
SCALE: 1:2		SHEET 2 OF 3



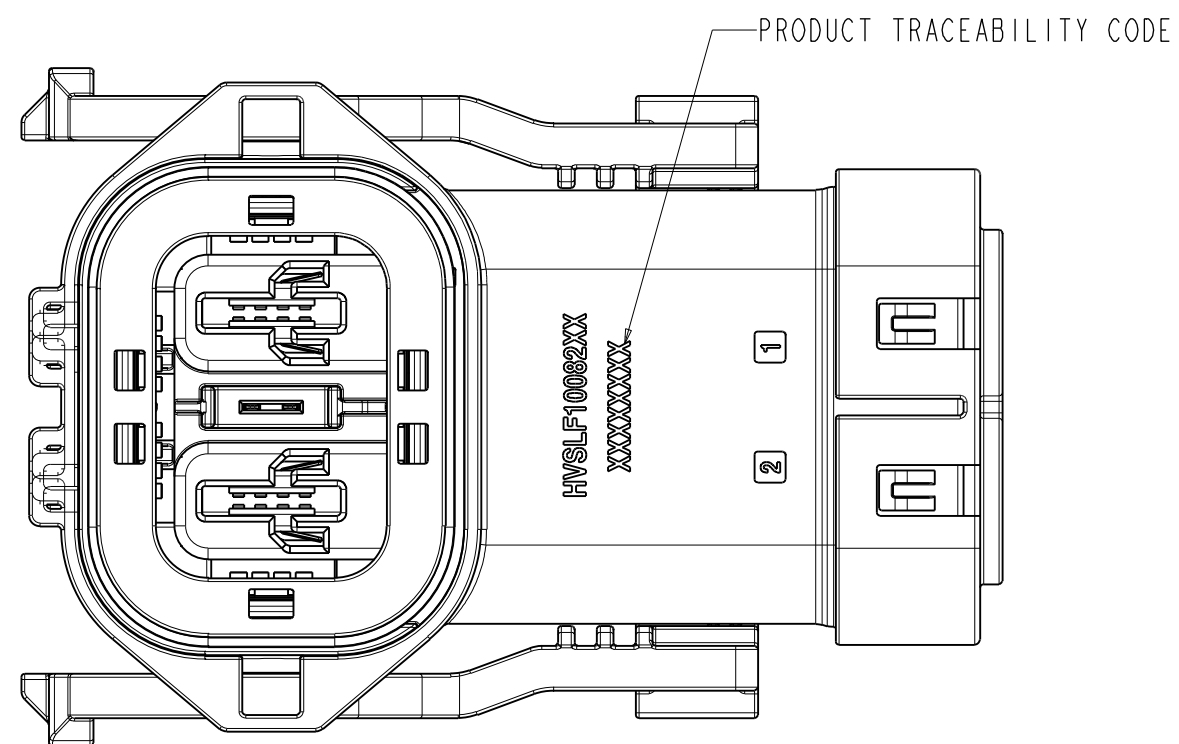
KEY A



KEY B



KEY C



△₂ Adjust key height and depth

SIZE	DWG NO.	REV
A3	C-HVSLF10082XXXX	3
SCALE: 1:2		SHEET 3 OF 3