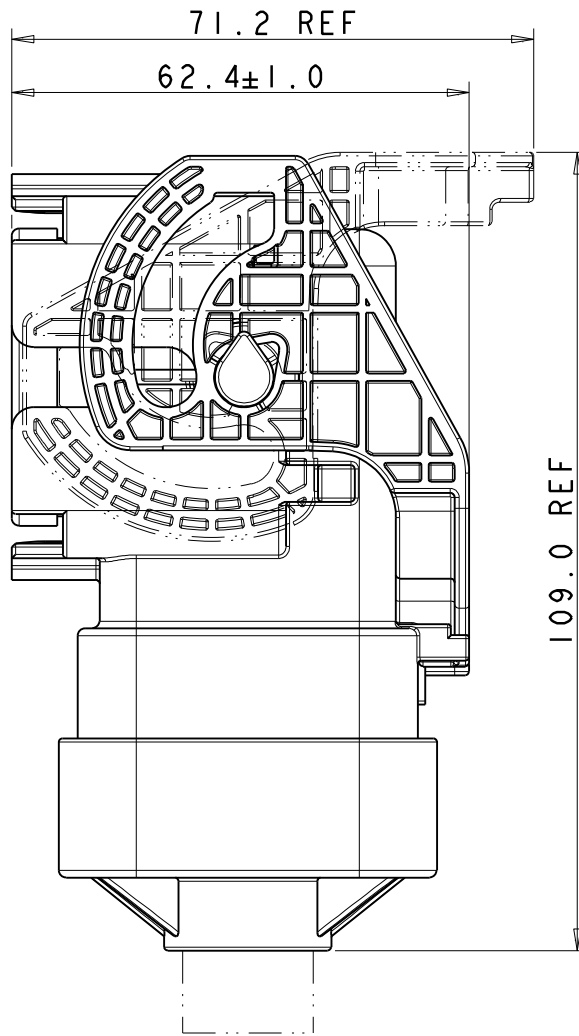
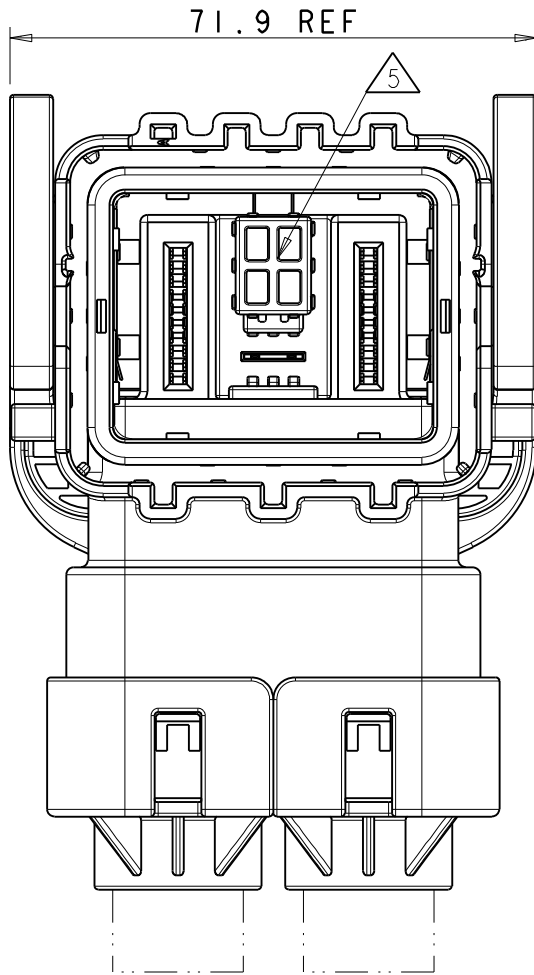
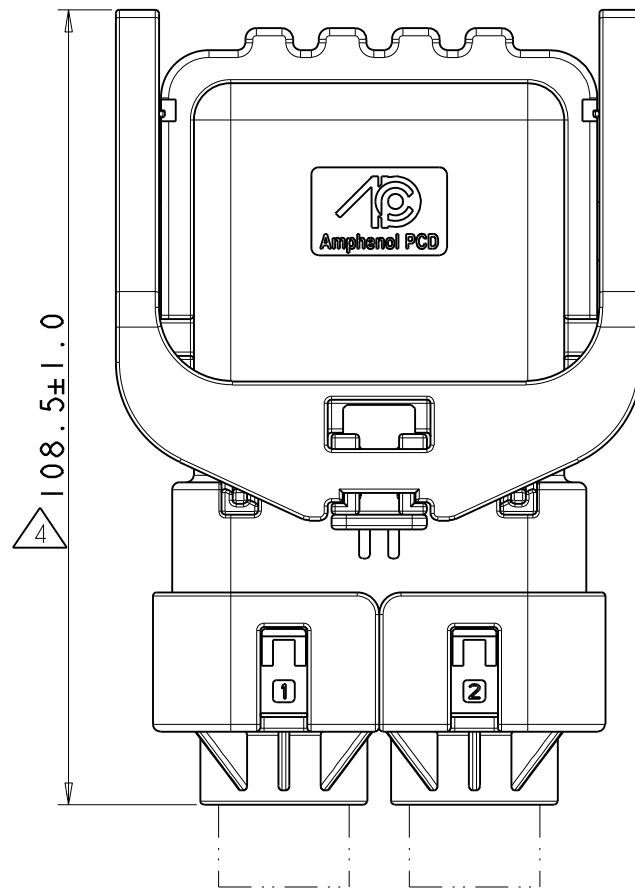


Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE- RELEASE	Oct-13-22	
2	R6833N	ADD 25MM^2 WIRE SIZE AND PRINT	May-22-23	
3	R7471N	OPTIMIZED TAIL COVER STRUCTURE	Sep-24-23	
4	R7731	OPTIMIZE THE HANDLE MOTION TRAJECTORY	Jan-14-24	
5	R7973	ADD GUIDE STRUCTURE AND SPACER	Apr-10-24	



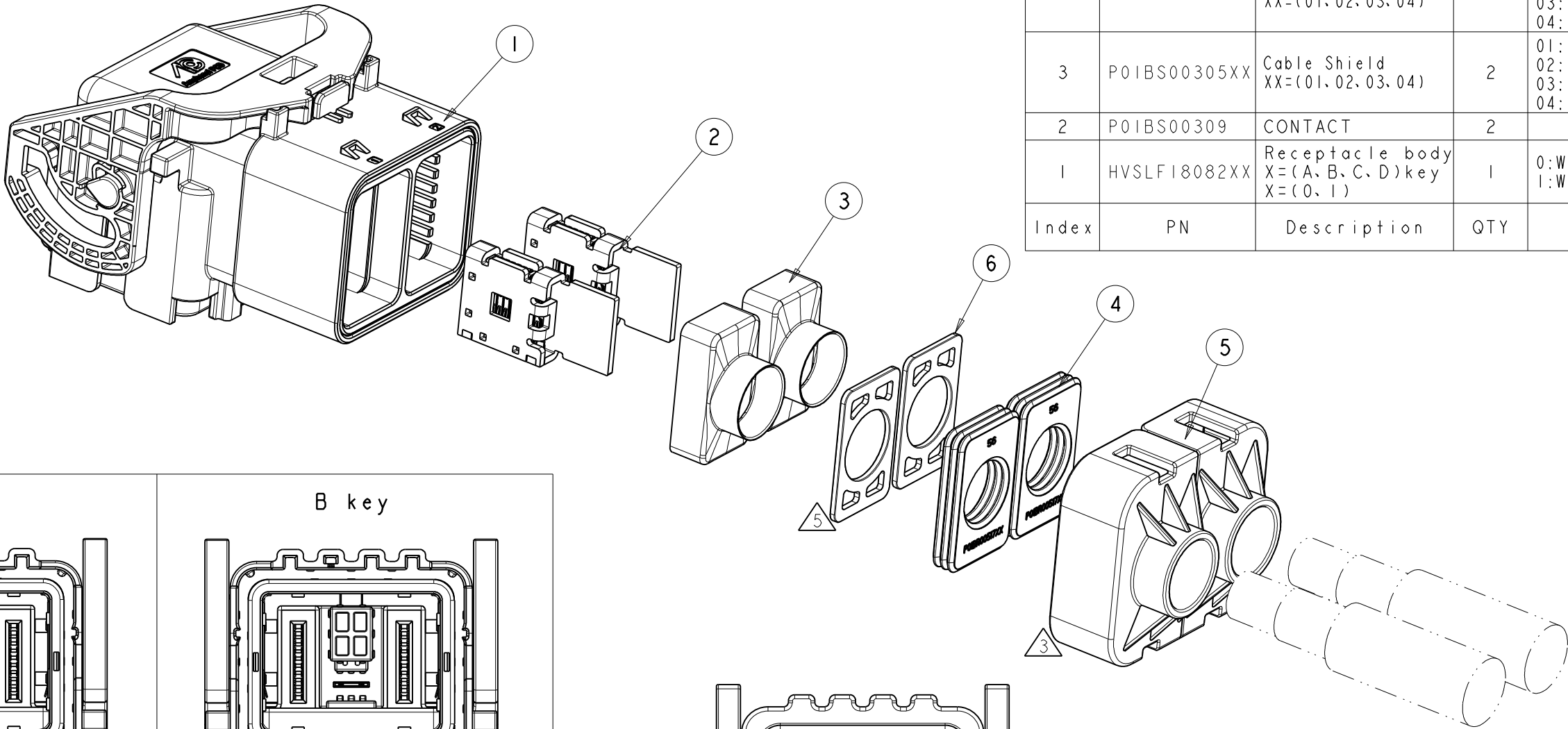
TECHNICAL DATA

CURRENT RATE 70MM^2 WIRE	270A	+
CURRENT RATE 50MM^2 WIRE	220A	+
CURRENT RATE 35MM^2 WIRE	180A	+
CURRENT RATE 25MM^2 WIRE	130A	+
VOLTAGE RATE	1000V DC	+
OPERRATING TEMPERATURE	-40-125°C	NA
DIELECTRIC WITHSTANDING VOLTAGE	Power:3000V AC	+
	Signal:660V AC	
INSULATION RESISTANCE	200MΩ	+
MIN MATING CYCLES	50 CYCLES	◎
SHIELDING	YES	NA
WATERPRROF	IP67 IP6K9K	+
CORROSION-PROFF GRADE(SALT FOG TEST)	96 HOURS	NA
AMBIENT TEMPERATURE	-40-50°C	NA
70mm^2 CABLE SIZE(JACKET DIAMETER)	Ø17.8±0.4	NA
50mm^2 CABLE SIZE(JACKET DIAMETER)	Ø15.5±0.3	NA
35mm^2 CABLE SIZE(JACKET DIAMETER)	Ø14.1±0.3	NA
25mm^2 CABLE SIZE(JACKET DIAMETER)	Ø11.9±0.3	NA

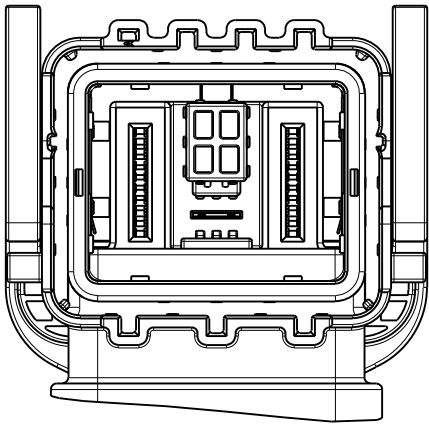
HVSLF18082 X X XX 25: 25mm^2 Cable
35: 35mm^2 Cable
50: 50mm^2 Cable
70: 70mm^2 Cable
0: Without signal
1: With signal
A: A key
B: B key
C: C key
D: D key

DIMENSIONS	TOLERANCES	PROJECTION	TITLE				
ANSI Y14.5M	.X ±0.5		PLUG_RA				
UNITS: MM	.XX ±0.05						
Pro/E FILE	ANGLES ±2°		ENGR	Oct-13-22			
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-HVSLF18082XXXX		5	
				SCALE: 1:1		SHEET 1 OF 2	

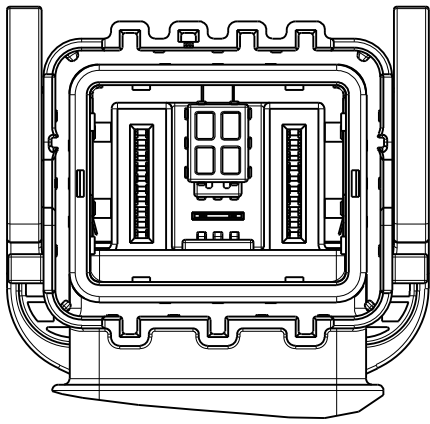
△5	6	P0IBP01172	SPACER	2	
	5	P0IBP00690XX	End Cap XX=(01, 02, 03, 04)	2	01: 35mm ² Cable 02: 50mm ² Cable 03: 70mm ² Cable 04: 25mm ² Cable
	4	P0IBR00517XX	Cable Seal XX=(01, 02, 03, 04)	2	01: 35mm ² Cable 02: 50mm ² Cable 03: 70mm ² Cable 04: 25mm ² Cable
	3	P0IBS00305XX	Cable Shield XX=(01, 02, 03, 04)	2	01: 35mm ² Cable 02: 50mm ² Cable 03: 70mm ² Cable 04: 25mm ² Cable
	2	P0IBS00309	CONTACT	2	
	1	HVSLF18082XX	Receptacle body X=(A, B, C, D)key X=(0, 1)	1	0: Without signal 1: With signal
	Index	PN	Description	QTY	Note



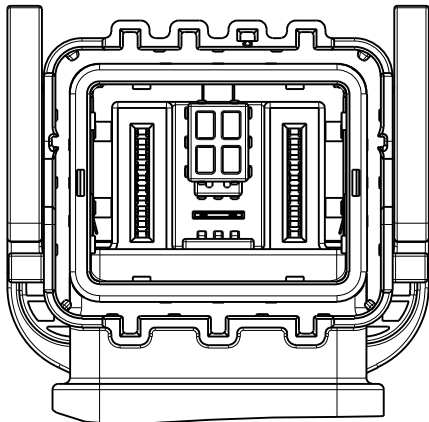
A key



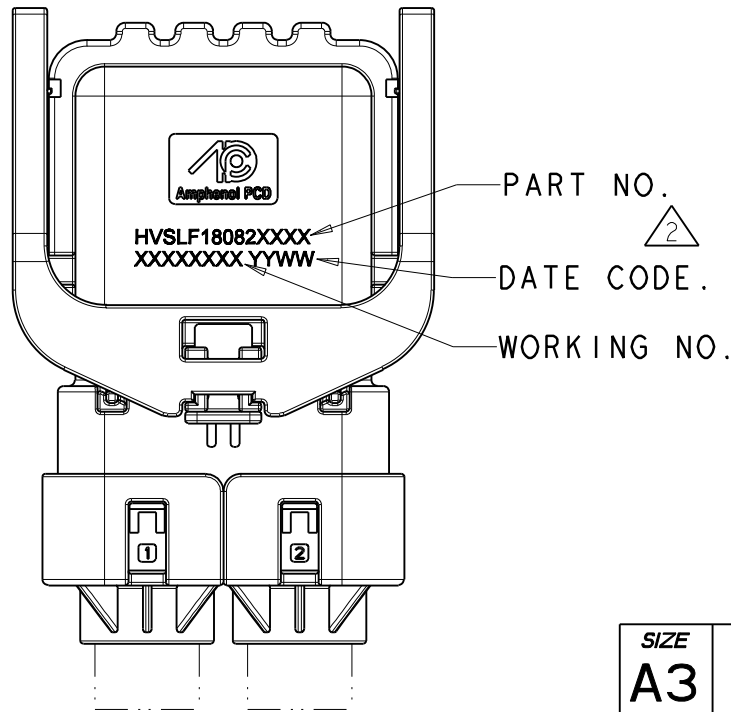
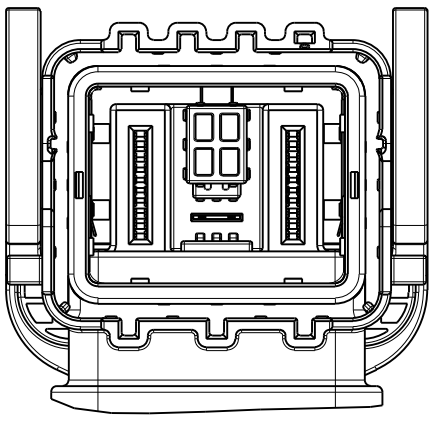
B key



C key



D key



SIZE	DWG NO.	REV
A3	C-HVSLF18082XXXX	5
SCALE: 1:1		SHEET 2 OF 2