

REV	DATE	DESCRIPTION	DATE	BY
L	C3074	CHG VOLTAGE TO BE 1000V; OPTIMIZATION OF CPA	Nov-20-18	Rock
M	C3287N	C310003623 TO C310003623S	Jul-09-19	LUIK
N	R3526W	ADD MATERIAL ON LOCATION OF PRESS 2	Sep-19-19	Rock

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

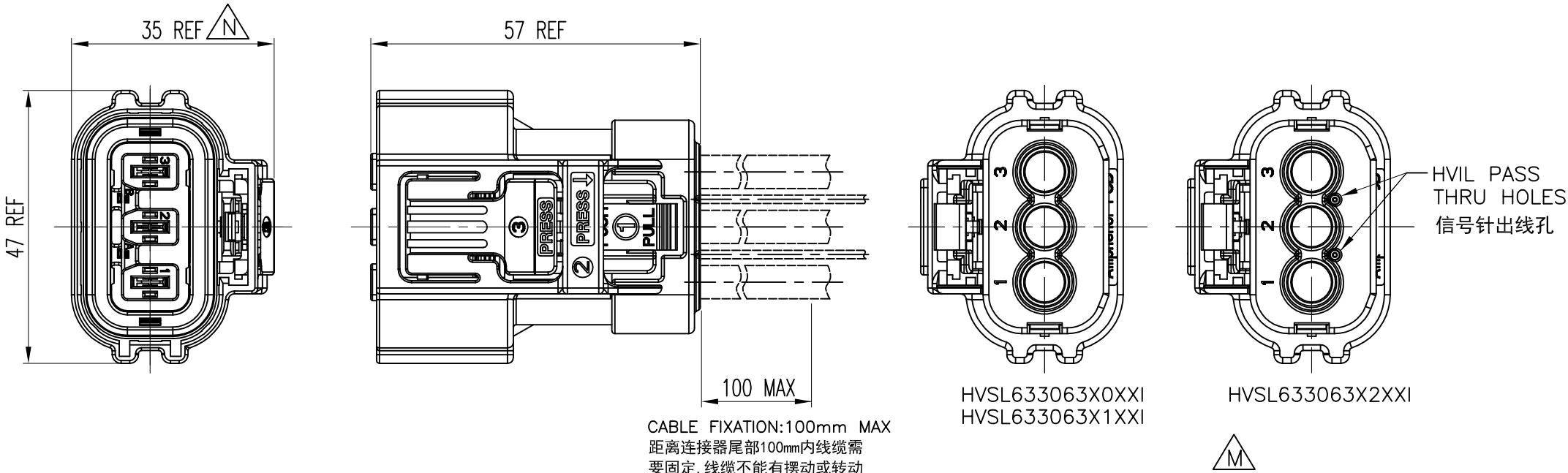
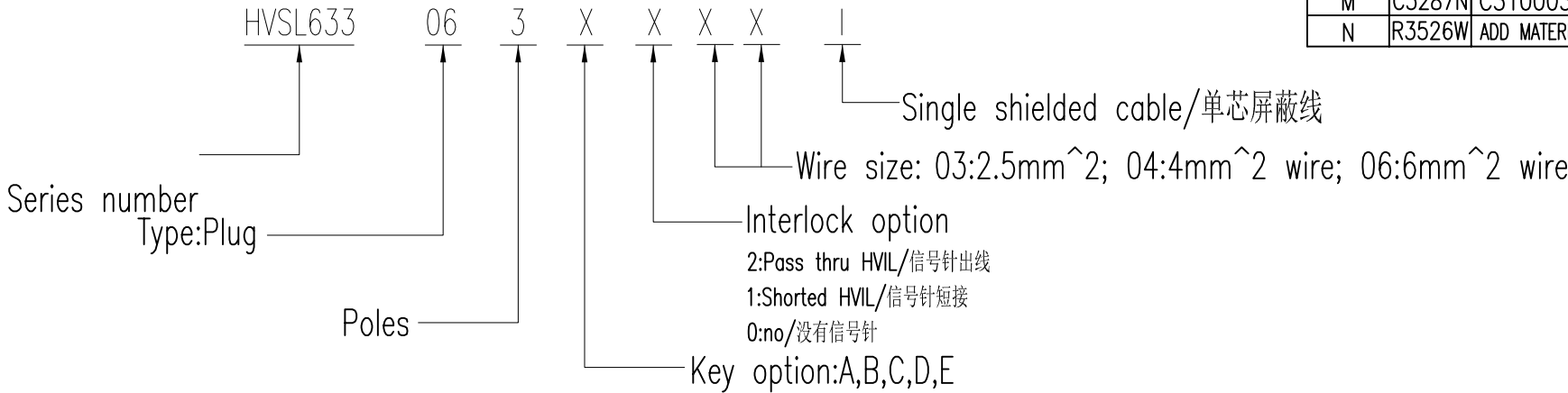
Material
Housing : PA66 UL94-V0 Orange
Contacts: Copper alloy,Tin plated
Shield: Copper alloy,Tin plated
Seal: Silicone
Ferrule: Copper alloy,Tin plated

★ IS CRITICAL CHARACTERISTIC SYMBOL
◎ IS IMPORTANT CHARACTERISTIC SYMBOL

APPLICATION: POLLUTION DEGREE 2 /污染等级 2
OVERVOLTAGE CATEGORY II/过电压类别II
INHOMOGENEOUS FIELD/非均匀电场

TECHINCAL DATA		SPECIAL CHARACTERISTICS SYMBOL
VOLTAGE RATING	1000V AC&DC	★
WITHSTAND VOLTAGE	3000V AC	★
INSULATION RESISTANCE	>100MΩ	★
CURRENT RATING	SIGNAL CONTACT 5A(0.5-0.75mm ²) OPTIONAL	★
	POWER CONTACT 23A(2.5mm ²) 32A(4mm ²) 40A(6mm ²)	
WATER PRROF (MATED CONDITION)	IP67	★
IP FOR FINGER TOUCH (UNMATED CONDITION)	IP2XB	★
SHIELDING FUNCTION	YES	NA
MAX MATING CYCLES	50 TIMES	◎
OPERATION TEMP.	-40-125°C	NA
WIRE RANGE	2.5-6mm ²	NA

PART NUMBERING SCHEME



NOTES:

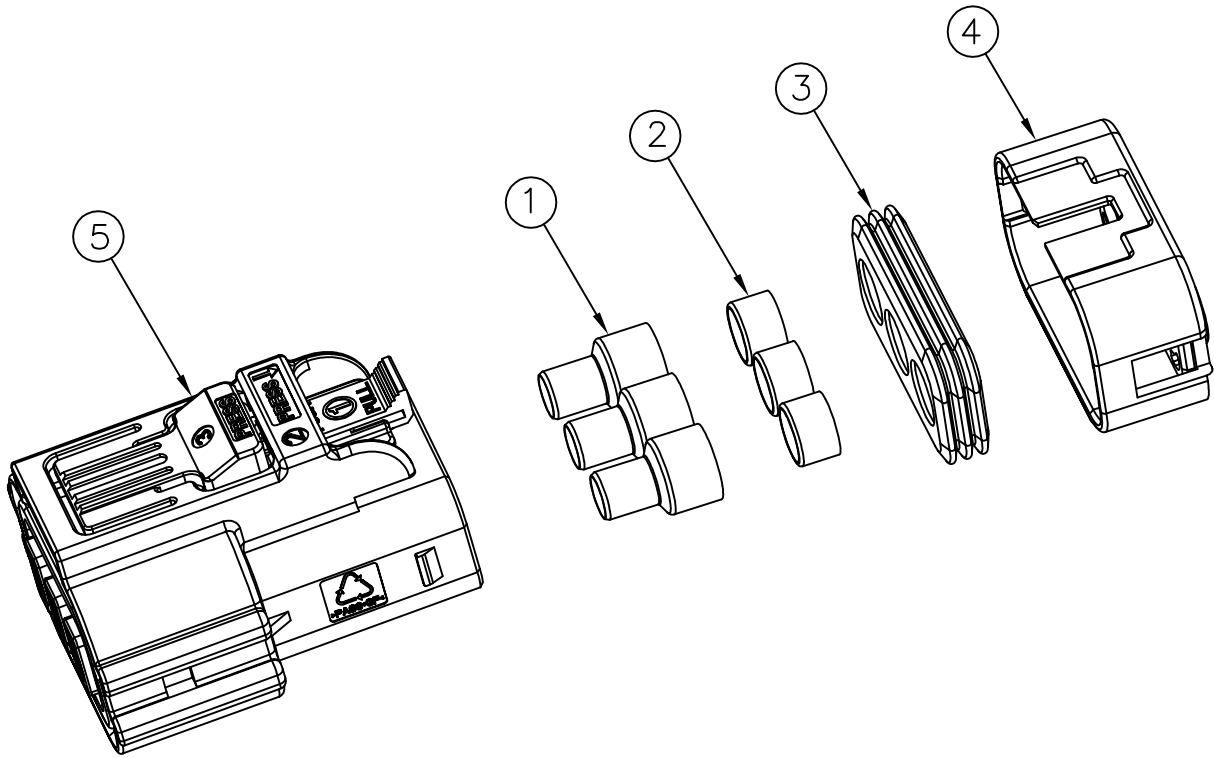
1. HVSL633063AXXXI shown in this sheet
2. Recommend OD of wire (线缆护套直径):

Power wire { 2.5mm² wire: Ø4.20-Ø4.60mm
4mm² wire: Ø5.20mm-Ø5.70mm
6mm² wire: Ø6.10mm-Ø6.50mm

Signal wire: 0.5-0.75mm²; OD=Ø1.3-Ø1.7mm

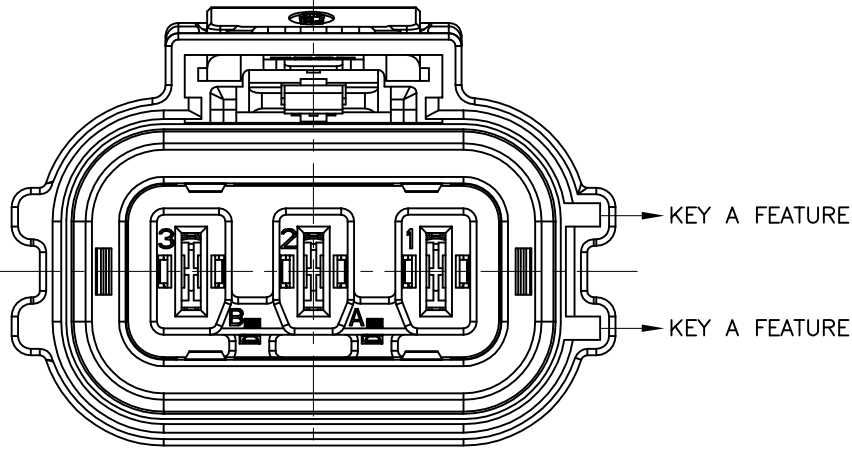
3. Contact should be ordered separately, see the right side table in this sheet
4. Rohs compliance

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol Pcd Shenzhen		TITLE				
ANSI Y14.5M	.X ± 0.5				HVSL633 3P PLUG				
UNITS: MM	.XX ±0.05		ENGR						
CAD FILE	ANGLES ±0.5°		R.Chen 2016.12.14						
ORIGINAL	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF AMPHENOL PCD SHENZHEN		CHKD		SIZE	DWG NO.	REV		
					A3	C-HVSL633063XXXXXI	N		
			APPD				CODE:	SCALE NONE	SHEET 1 OF 3

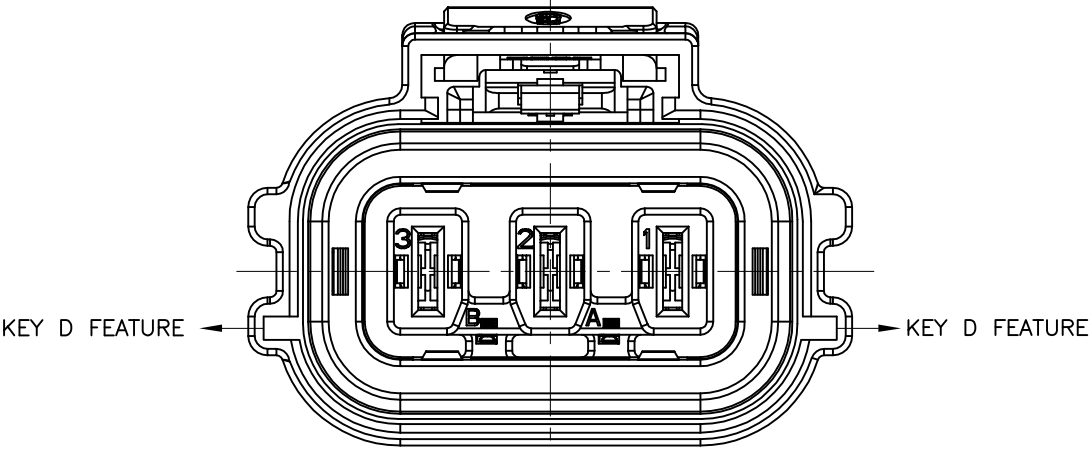


HVSL633063X203I (WIRE OD=ø4.20-ø4.60)	5	HVSL633063X0 (X=A,B,C,D,E)	PLUG BODY	1
	4	P03BP00021	END CAP 2.5mm ² HVIL PASS THRU	1
	3	P03BR00018	CABLE SEAL 2.5mm ² HVIL PASS THRU	1
	2	C4200011608	INNER FERRULE 2.5mm ²	3
	1	C4200012103	OUTER FERRULE 2.5mm ²	3
HVSL633063X204I (WIRE OD=ø5.20-ø5.70)	5	HVSL633063X0 (X=A,B,C,D,E)	PLUG BODY	1
	4	P03BP00022	END CAP 4mm ² HVIL PASS THRU	1
	3	P03BR00019	CABLE SEAL 4mm ² HVIL PASS THRU	1
	2	C4200011210	INNER FERRULE 4mm ²	3
	1	C4200011209	OUTER FERRULE 4mm ²	3
HVSL633063X206I (WIRE OD=ø6.10-ø6.50)	5	HVSL633063X0 (X=A,B,C,D,E)	PLUG BODY	1
	4	P03BP00023	END CAP 6mm ² HVIL PASS THRU	1
	3	P03BR00020	CABLE SEAL 6mm ² HVIL PASS THRU	1
	2	C4200011202	INNER FERRULE 6mm ²	3
	1	C4200011201	OUTER FERRULE 6mm ²	3
HVSL633063X003I HVSL633063X103I (WIRE OD=ø4.20-ø4.60)	5	HVSL633063XY (X=A,B,C,D,E;Y=0,1)	PLUG BODY	1
	4	C42200113093	END CAP 2.5mm ²	1
	3	C42700113033	CABLE SEAL 2.5mm ²	1
	2	C4200011608	INNER FERRULE 2.5mm ²	3
	1	C4200012103	OUTER FERRULE 2.5mm ²	3
HVSL633063X004I HVSL633063X104I (WIRE OD=ø5.20-ø5.70)	5	HVSL633063XY (X=A,B,C,D,E;Y=0,1)	PLUG BODY	1
	4	C42200113092	END CAP 4mm ²	1
	3	C42700113032	CABLE SEAL 4mm ²	1
	2	C4200011210	INNER FERRULE 4mm ²	3
	1	C4200011209	OUTER FERRULE 4mm ²	3
HVSL633063X006I HVSL633063X106I (WIRE OD=ø6.10-ø6.50)	5	HVSL633063XY (X=A,B,C,D,E;Y=0,1)	PLUG BODY	1
	4	C42200113091	END CAP 6mm ²	1
	3	C42700113031	CABLE SEAL 6mm ²	1
	2	C4200011202	INNER FERRULE 6mm ²	3
	1	C4200011201	OUTER FERRULE 6mm ²	3
ASSEMBLY P/N	ITEM	COMPONENT P/N	DESCRIPTION	QTY

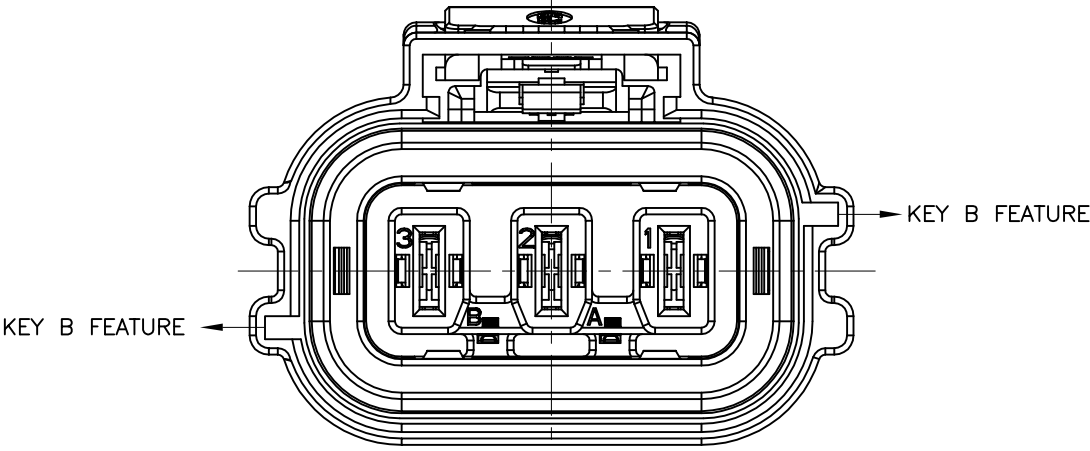
ITEM1		Wire size	PART NUMBER	DIM "d1"(mm)
		2.5mm ²	C4200012103	6.45mm
		4mm ²	C4200011209	7.50mm
		6mm ²	C4200011201	8.55mm
ITEM2		Wire size	PART NUMBER	DIM "d2"(mm)
		2.5mm ²	C4200011608	4.65mm
		4mm ²	C4200011210	5.90mm
		6mm ²	C4200011202	6.55mm
ITEM3	USED ON HVSL633063X0XXI HVSL633063X1XXI 	Wire size	PART NUMBER	DIM "d3"(mm)
		2.5mm ²	C42700113033	3.20mm
		4mm ²	C42700113032	4.05mm
		6mm ²	C42700113031	5.25mm
	USED ON HVSL633063X2XXI 	Wire size	PART NUMBER	DIM "d3"(mm)
		2.5mm ²	P03BR00018	3.20mm
		4mm ²	P03BR00019	4.05mm
		6mm ²	P03BR00020	5.25mm
ITEM4	USED ON HVSL633063X0XXI HVSL633063X1XXI 	Wire size	PART NUMBER	DIM "d4"(mm)
		2.5mm ²	C42200113093	5.20mm
		4mm ²	C42200113092	6.20mm
		6mm ²	C42200113091	7.20mm
	USED ON HVSL633063X2XXI 	Wire size	PART NUMBER	DIM "d4"(mm)
		2.5mm ²	P03BP00021	5.20mm
		4mm ²	P03BP00022	6.20mm
		6mm ²	P03BP00023	7.20mm
ITEM5		PART NUMBER		
		HVSL633063XY (X=A,B,C,D,E;Y=0,1)		



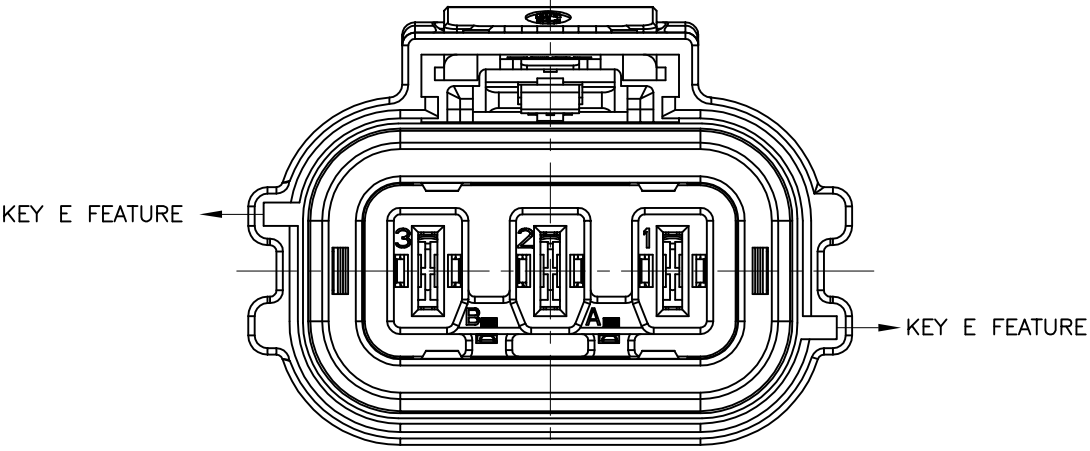
KEY A
HVSL633063AXXXI



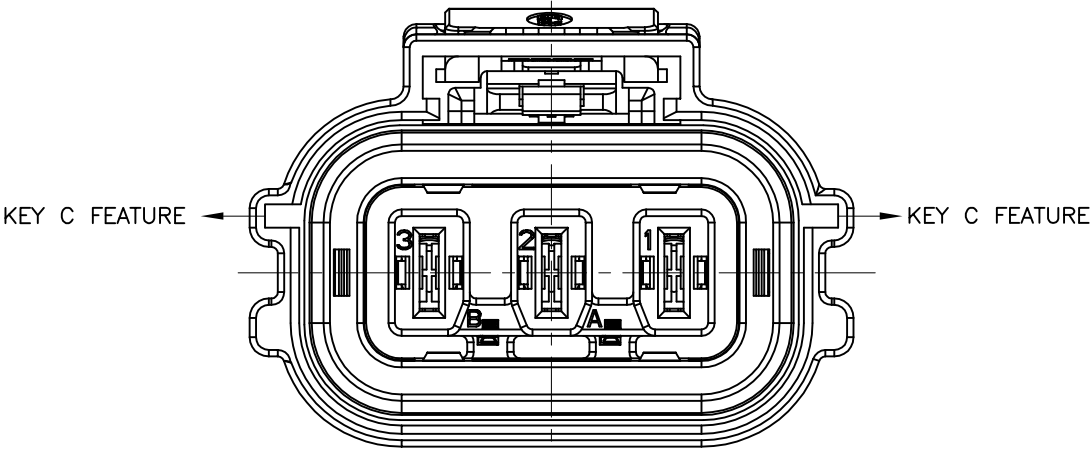
KEY D
HVSL633063DXXXI



KEY B
HVSL633063BXXXI



KEY E
HVSL633063EXXXI



KEY C
HVSL633063CXXXI

C—HVSL633063XXXXI

C—HVSL633063XXXXI

SIZE A3	DWG NO. C—HVSL633063XXXXI	REV N
CODE:	SCALE NONE	SHEET 3 OF 3