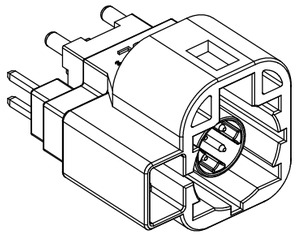
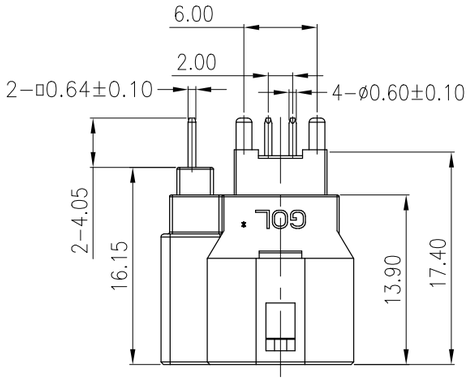
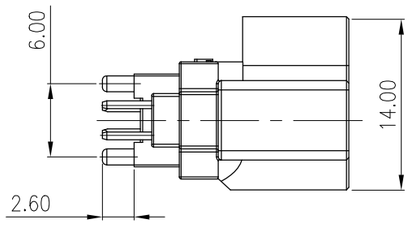
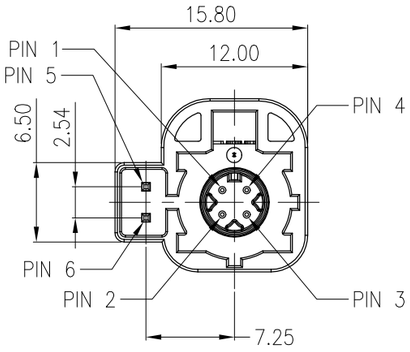
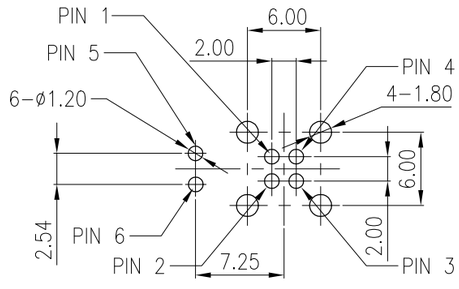
REV.	ECN.NO.	MODIFY.CONTENT	DATE
X1		FIRST VERSION	10/29'19
X2		ADD PIN ASSIGNMENT	4/04'20
X3		CHANGE PIN LAYOUT HOLE	4/24'20
X4		CHANGE PLATING AREA	12/10'20











PCB LAYOUT: ±0.05mm

TOP VIEW

NOTE:

1.CODING RIBS FOR CONFIGURATION OF THE MECHANICAL CODINGS IS SHOWN ON SHEET 2;

2.MATERIALS AND FINISHES:

CODE HOUSING	PA66	COLOR REFER TO SHEET 2
INSULATOR	PA66	NATURL
METAL CASE	Zn ALLOY	TIN PLATING
SINGAL CONTACT	BRASS	GOLD PLATING AT CONTACT AREA,TIN PLATING IN SOLDER TAIL
POWER CONTACT	BRASS	TIN PLATING OVER ALL

3.PACKAGE:TAPE REEL;

4.ELECTRICAL DATA:

IMPEDANCE: 100 Ω;
FREQUENCY: DC to 2.0 GHz;
RETURN LOSS: >=20 dB to 1 GHz, >=17 dB to 2 GHz
INSERTION LOSS: <=0.1 dB @ 1.0 GHz;
SKEW(BETWEEN SIGNAL CONTACTS): <=5 psec.;
NEAREND-CROSSTALK: <=30 dB;
FAREND-CROSSTALK: <=35 dB;
CONTACT PIN RESISTANCE: <=10 mΩ;
METAL CASE RESISTANCE: <=7.5 mΩ;
TEST VOLTAGE: 250 V rms;
WORKING VOLTAGE: 100 V rms;
POWER CURRENT HSD: <=1.5 A DC;
POWER CURRENT LIN CONTACTS:<=2.0 A DC;
INSULATOR RESISTANCE: >=1000 MΩ;
RF-LEAKAGE(SHIELDING EFFECTIVENESS): >=75 dB up to 1 GHz(IEC 62153-4-7),
>=65 dB up to 2 GHz(IEC 62153-4-7);

5.MECHANICAL DATA:

MATING CYCLES: >=25 CYCLES;
INSERTION FORCE: <=60N;
PULL FORCE: >=5N;
LOCK RETENTION FORCE: >=110N;
CODING EFFICIENCY: >=80N;

6.ENVIRONMENTAL DATA:

TEMPERATURE RANGE:-40℃ TO +105℃;
THERMAL SHOCK: DIN IEC 60068-2-14 TEST NA;
TEMPERATURE AND HUMIDITY: USCAR 2-4 5.6.2;
VIBRATION(RANDOM): DIN IEC 60068-2-64;
MECHANICAL SHOCK: DIN IEC 60068-2-27;
HIGH-TEMP. EXPOSURE: DIN IEC 60068-2-2;
SOLDERING PROFILE: ACC. to IEC 60068-2-58, GROUP 3&4;
RoHS: COMPLIANT.

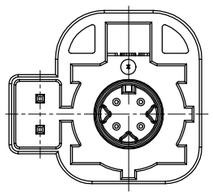
GENERAL TOLERANCE		DRAWN	Sandy Guo	12/10'20	SCALE	PART NO.	1HSBN01F04R*3V00
X.±0.30	X.°±3.0°	CHECKED	Wu, Michael	12/10'20	N/A	TITLE	HSD 4+2 PIN VERTICAL
.X±0.25	.x°±2.0°	APPROVED	He, Sky	12/10'20	UNITS	mm	CUSTOMER DRAWING
.XX±0.20		File NO.	HSBN0104S				
.XXX±0.10		REV.	蘇州祥龍嘉業電子科技股份有限公司 Goldenconn Electronics Technology Co.,LTD				
SHEET 1/2	Q'TY 1	X4					

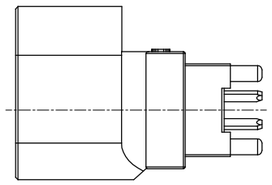
此文件为双方检验的唯一标准
This document is the only standard for inspection by both parties.

REV.	ECN.NO.	MODIFY.CONTENT	DATE

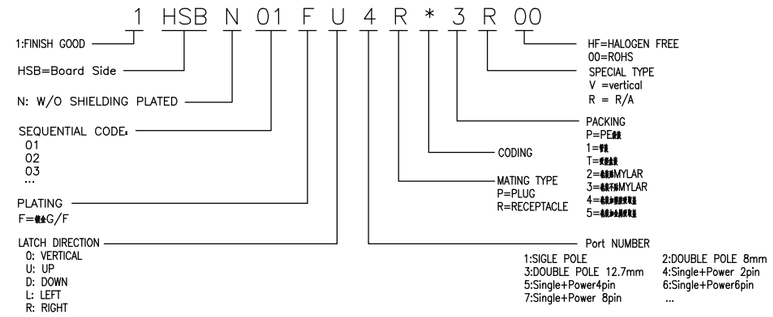
SEE SHEET 1

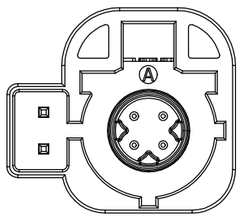
ALL CODING RIBS SHOWN



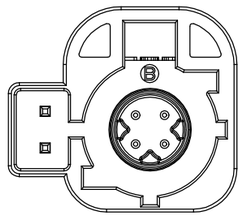


PRODUCT NUMBER RULE

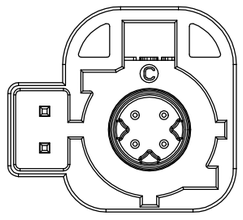




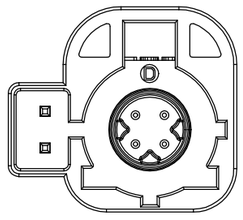
Coding A



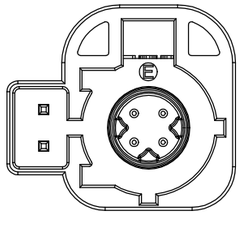
Coding B



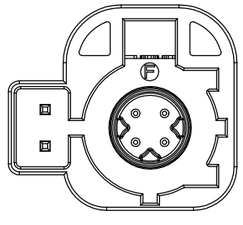
Coding C



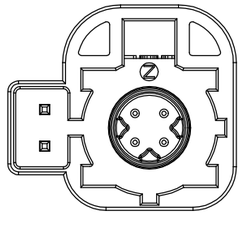
Coding D



Coding E



Coding F



Coding Z

Coding	Color	RAL.	Part Number
A	Black	RAL 9005	1HSBN01F04RA3V00
B	White	RAL 9001	1HSBN01F04RB3V00
C	Blue	RAL 5005	1HSBN01F04RC3V00
D	Bordeaux	RAL 4004	1HSBN01F04RD3V00
E	Green	RAL 6002	1HSBN01F04RE3V00
F	Brown	RAL 8011	1HSBN01F04RF3V00
Z	Waterblue	RAL 5021	1HSBN01F04RZ3V00

GENERAL TOLERANCE		DRAWN	Sandy Guo	12/10'20	SCALE	PART NO.	1HSBN01F04R*3V00
X.±0.30	x.°±3.0°	CHECKED	Wu, Michael	12/10'20	N/A	TITLE	HSD 4+2 PIN VERTICAL
.X±0.25	.x°±2.0°	APPROVED	He, Sky	12/10'20	UNITS	mm	CUSTOMER DRAWING
.XX±0.20		File NO.	HSBN0104S				
.XXX±0.10		REV.	蘇州祥龍嘉業電子科技股份有限公司 Goldenconn Electronics Technology Co.,LTD				
SHEET 2/2	Q'TY 1	X4					

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