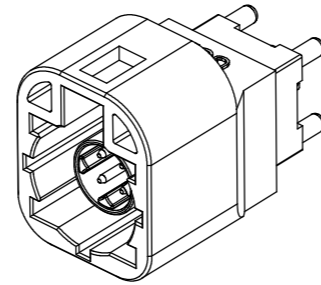
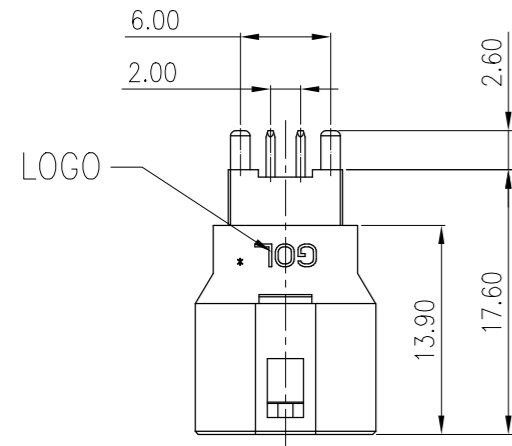


REV.	ECN.NO.	MODIFY.CONTENT	DATE
X1		FIRST VERSION	10/29'19
X2		ADD PIN ASSIGNMENT	4/04'20
X3		CHANGE PIN LAYOUT HOLE	4/24'20
X4		CHANGE PLATING AREA	12/10'20



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
CONTACT PIN	BRASS	GOLD PLATING AT CONTACT AREA,TIN PLATING IN SOLDER TAIL

3.PACKAGE:TAPE REEL;

4.ELECTRICAL DATA:

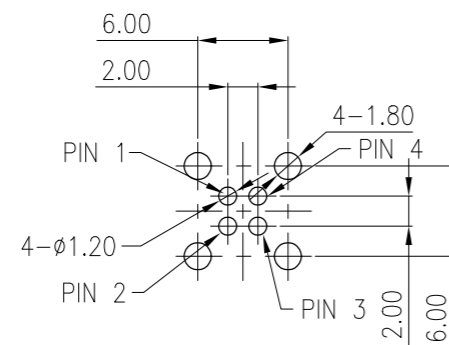
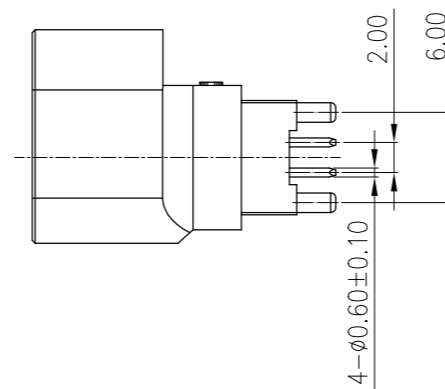
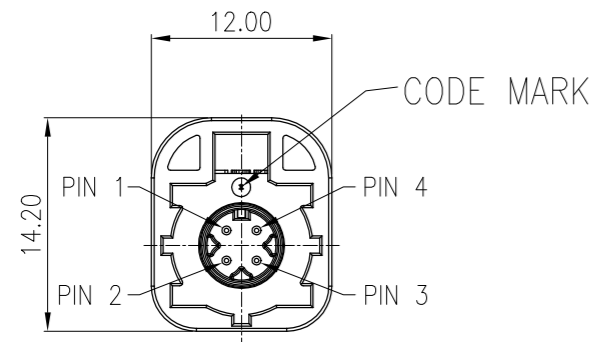
IMPEDANCE: 100 Ω ;
 FREQUENCY: DC to 2.0 GHz;
 RETURN LOSS: ≥ 20 dB to 1 GHz, ≥ 17 dB to 2 GHz
 INSERTION LOSS: ≤ 0.1 dB @ 1.0 GHz;
 SKEW(BETWEEN SIGNAL CONTACTS): ≤ 5 psec.;
 NEAREND-CROSSTALK: ≤ 30 dB;
 FAREND-CROSSTALK: ≤ 35 dB;
 CONTACT PIN RESISTANCE: ≤ 10 m Ω ;
 METAL CASE RESISTANCE: ≤ 7.5 m Ω ;
 TEST VOLTAGE: 250 V rms;
 WORKING VOLTAGE: 100 V rms;
 RATED CURRENT: ≤ 1.5 A DC;
 INSULATOR RESISTANCE: ≥ 1000 M Ω ;
 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: ≤ 60 N;
 PULL FORCE: ≥ 5 N;
 LOCK RETENTION FORCE: ≥ 110 N;
 CODING EFFICIENCY: ≥ 80 N;

6.ENVIRONMENTAL DATA:

TEMPERATURE RANGE: -40° TO $+105^{\circ}$;
 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;

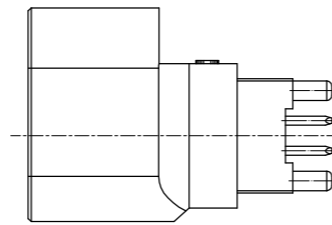
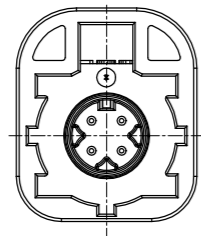


PCB LAYOUT: ± 0.05 mm
TOP VIEW

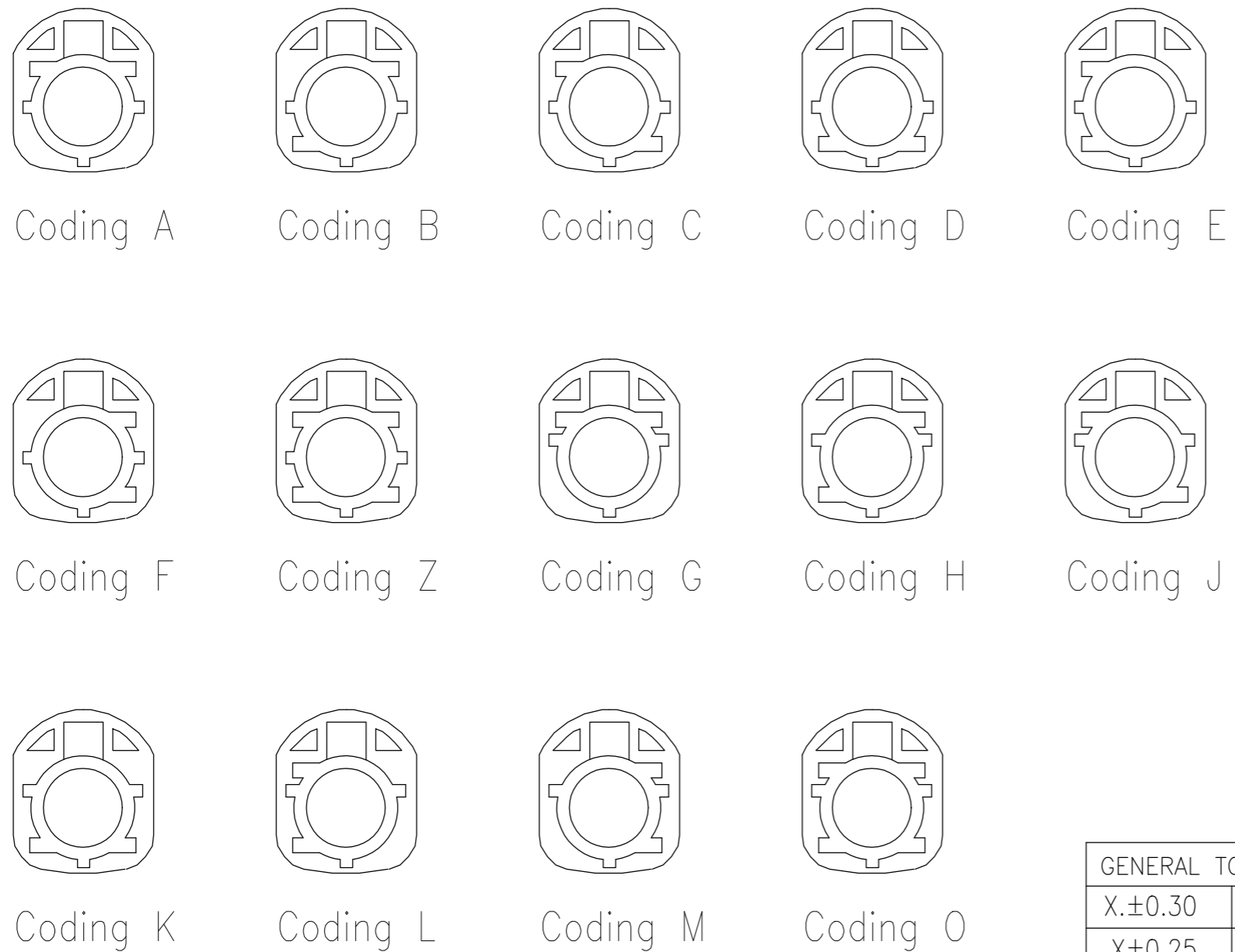
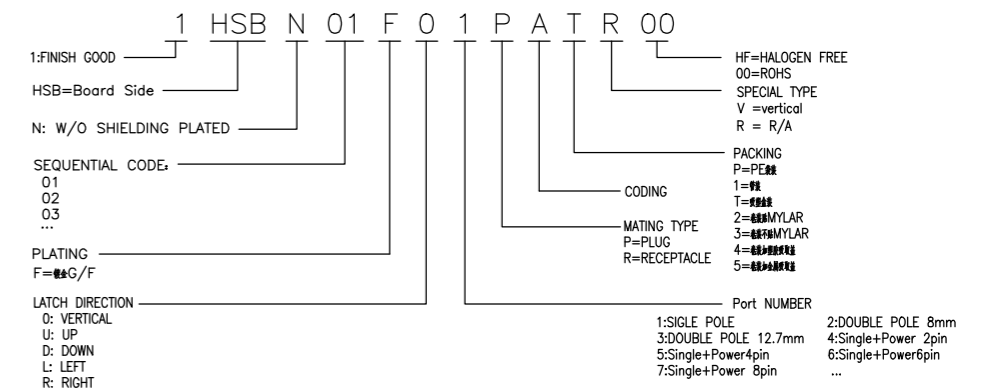
GENERAL TOLERANCE		DRAWN		SCALE	PART NO.	
X. ± 0.30	x. $\pm 3.0^{\circ}$	CHECKED	Sandy Guo	12/10'20	N/A	1HSBN01F01R*3V00
.X ± 0.25	.x $\pm 2.0^{\circ}$	APPROVED	Wu, Michael	12/10'20	UNITS	TITLE
.XX ± 0.20		File NO.	He, Sky	12/10'20	mm	CUSTOMER DRAWING
.XXX ± 0.10		REV.	HSBN0103S			
SHEET	1/2	Q'TY	1	X4	蘇州祥龍嘉業電子科技股份有限公司 Goldenconn Electronics Technology Co.,LTD	

REV.	ECN.NO.	MODIFY.CONTENT	DATE

ALL CODING RIBS SHOWN



PRODUCT NUMBER RULE



Coding	Color	RAL	Part Number
A	Black	RAL 9005	1HSBN01F01RA3V00
B	White	RAL 9001	1HSBN01F01RB3V00
C	Blue	RAL 5005	1HSBN01F01RC3V00
D	Bordeaux	RAL 4004	1HSBN01F01RD3V00
E	Green	RAL 6002	1HSBN01F01RE3V00
F	Brown	RAL 8011	1HSBN01F01RF3V00
Z	Waterblue	RAL 5021	1HSBN01F01RZ3V00
G	Grey	RAL 7031	1HSBN01F01RG3V00
H	Violet	RAL 4003	1HSBN01F01RH3V00
J	Beige	RAL 1001	1HSBN01F01RJ3V00
K	Curry	RAL 1027	1HSBN01F01RK3V00
L	YellowGreen	RAL 6018	1HSBN01F01RL3V00
M	PastelOrange	RAL 2003	1HSBN01F01RM3V00
O	LightGreen	RAL 6027	1HSBN01F01R03V00

GENERAL TOLERANCE		DRAWN	Sandy Guo	12/10'20	SCALE	PART NO.	1HSBN01F01R*3V00
X.±0.30	x.°±3.0°	CHECKED	Wu, Michael	12/10'20	N/A	TITLE	HSD 4 PIN VERTICAL
.X±0.25	.x°±2.0°	APPROVED	He, Sky	12/10'20	UNITS	mm	CUSTOMER DRAWING
.XX±0.20		File NO.	HSBN0103S				
.XXX±0.10		REV.					
SHEET	2/2	Q'TY	1	X4	蘇州祥龍嘉業電子科技股份有限公司 Goldenconn Electronics Technology Co.,LTD		

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