

SPECIFICATION

MATERIALS:

1. CODING HOUSING: PA, COLOR SEE DETAIL
2. INNER HOUSING: LCP, COLOR BLACK
3. CONTACT: BRASS
PLATING: CONTACT AREA: 6u" Au
SOLDER AREA: 80u"~160u" Sn(MATTE)
UNDERPLATE: 80u"~160u" Ni
4. OUTER CONTACT(INTERFACE): STAINLESS STEEL
PLATING: 120u"~240u" Sn(MATTE) OVER
40u"~120u" Ni PLATED OVER
5. OUTER CONTACT(P.C.B.): ZAMAK
PLATING: 160u"~280u" Sn(MATTE) PLATED OVER
120u"~240u" Ni PLATED OVER
600u"~800u" Cu UNDERPLATED OVERALL

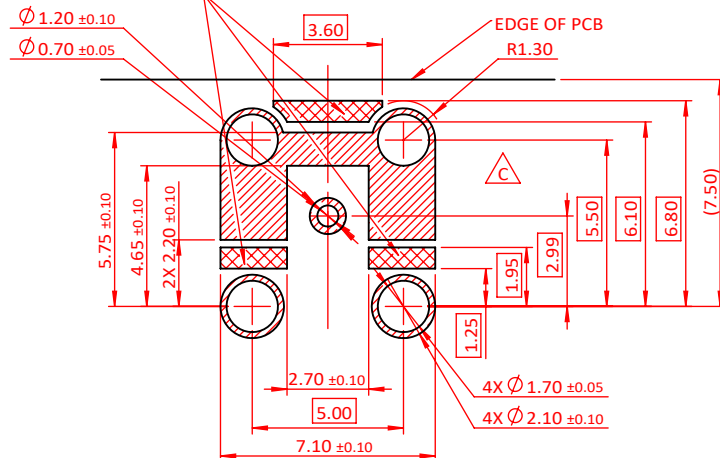
ELECTRICAL:

1. IMPEDANCE: 50 Ω
2. FREQUENCY: DC TO 9 GHz
3. INSULATION RESISTANCE: $\geq 1 \times 10^3$ MΩ
4. CENTER CONTACT RESISTANCE: ≤ 15 mΩ
5. OUTER CONTACT RESISTANCE: ≤ 5 mΩ
6. TEST VOLTAGE: ≤ 800 Vrms
7. WORKING VOLTAGE: ≤ 60 V DC
8. POWER CURRENT: ≤ 1 A DC

MECHANICAL:

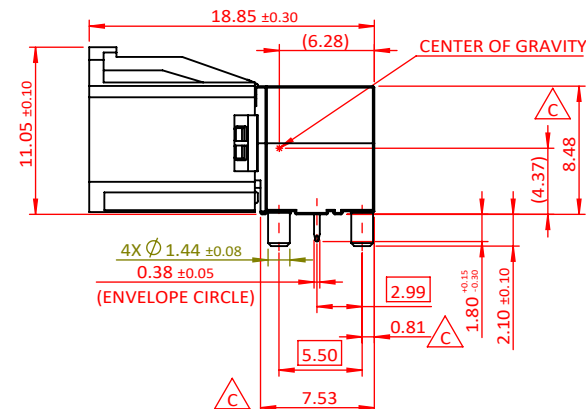
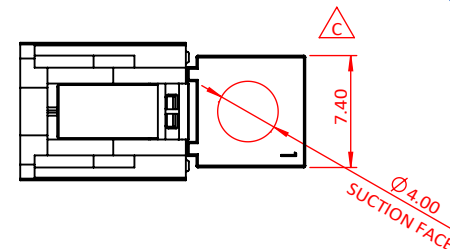
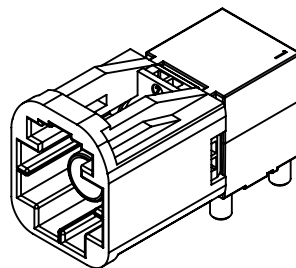
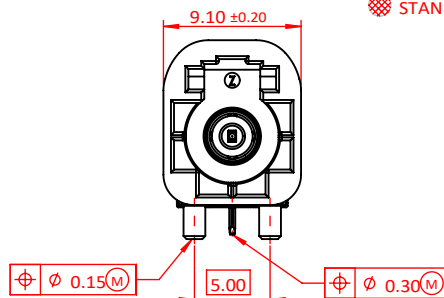
1. TEMPERATURE RANGE: -40°C TO +105°C
2. MATING CYCLES: ≥ 25
3. ENGAGEMENT FORCE: ≤ 15 N
4. DISENGAGEMENT FORCE: ≥ 2 N
5. RETENTION FORCE LATCH: ≥ 110 N
6. CODING EFFICIENCY: ≥ 150 N

STAND OFF AREA, FREE OF SOLDER

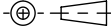


RECOMMENDED PCB LAYOUT

STAND OFF AREA, FREE OF SOLDER 3X

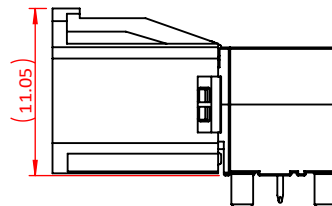
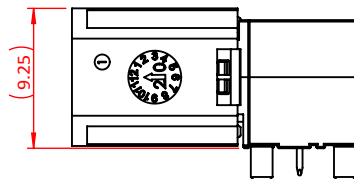
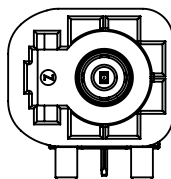
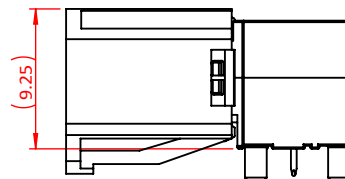
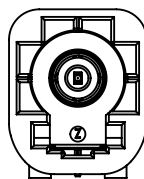
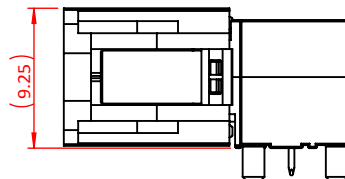
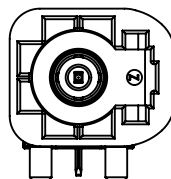


X=CODING(SEE PAGE 3/3)

5420101004X	410AF01C6TB3T4CX	3 O'CLOCK	TAPE & REEL
5420101003X	410AF01C6TB3T3CX	6 O'CLOCK	TAPE & REEL
5420101002X	410AF01C6TB3T2CX	9 O'CLOCK	TAPE & REEL
5420101001X	410AF01C6TB3T1CX	12 O'CLOCK	TAPE & REEL
NEW P/N	OLD P/N	CODING NOSE	PACKING
UNLESS OTHERWISE SPECIFIED TOLERANCE ANG. ±5° .0 ±0.50 .0 ±0.30 .00 ±0.20		 SIP  ST Cmk Cpk	 CHANT SINCERE CO.,LTD TEL:+886-2-8647-1251 WWW.COXOC.COM.TW
SCALE: 4:1	UNIT: mm	TITLE: MINI FAKRA AM 1X1	
DRAWN: KEVIN_ZHENG	08 09 2023		
CHECKED: JERRY_CHOU	08 09 2023		
APPROVED: JERRY_CHOU	08 09 2023	PART NO. 5420101XXXX	C
 SIZE A4 SHEET 1/3	REV. C	CODE: 52	CUSTOMER:

C8, C9, D10, F1, G6, G9	C	ECN-2307043(QUEENIE)ADDED DIMENSIONS & MODIFIED PLATING	17JUL2023
	B	ECN-2306080(RITA)NEW P/N	27JUN2023
ZONE	REVISION	DESCRIPTION	DATE

CODING DIRECTION INFORMATION

5420101001X
12 O'CLOCK5420101002X
9 O'CLOCK5420101003X
6 O'CLOCK5420101004X
3 O'CLOCKUNLESS OTHERWISE
SPECIFIED TOLERANCEANG. $\pm 5^\circ$
0. ± 0.50
.0 ± 0.30
.00 ± 0.20  SIP Crnk
Cpk

SCALE: AS SHOWN

UNIT: mm

DRAWN: KEVIN_ZHENG

08 09 2023

CHECKED: JERRY_CHOU

08 09 2023

APPROVED: JERRY_CHOU

08 09 2023

TITLE:



CHANT SINCERE CO.,LTD

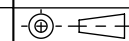
TEL: +886-2-8647-1251 WWW.COXOC.COM.TW

MINI Fakra AM 1x1

PART NO. 5420101XXXX

CODE: 52

CUSTOMER:



SIZE A4

SHEET 2/3

REV. C

C

ECN-2307043(queenie)SEE PAGE 1/3

2023/7/17

B

ECN-2306080(RITA)SEE PAGE 1/3

27JUN2023

ZONE

REVISION

DESCRIPTION

DATE

1

2

3

4

5

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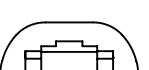
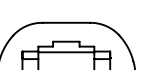
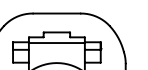
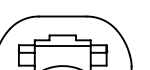
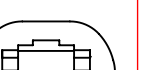
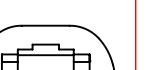
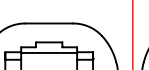
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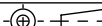
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*=DEVELOPING

CODING A	CODING B	CODING *C	CODING *D	CODING *E	CODING F	CODING *G	CODING *H	CODING *J	CODING *K	CODING *N	CODING Z
BLACK (SIM.9005)	WHITE (SIM. 9010)	BLUE (SIM. 5012)	CLARET VIOLET (SIM. 4004)	GREEN (SIM. 6017)	BROWN (SIM. 8011)	GREY (SIM. 7036)	LIGHT PINK (SIM. 3015)	BEIGE (SIM. 1001)	CURRY (SIM. 1027)	PASTEL GREEN (SIM. 6019)	WATER BLUE (SIM. 5021)
											

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SCALE:	AS SHOWN	UNIT:	mm		
DRAWN:	KEVIN_ZHENG	08 09 2023	TITLE: MINI FAKRA-AM 1X1 CODING HOUSING		
CHECKED:	JERRY_CHOU	08 09 2023			
APPROVED:	JERRY_CHOU	08 09 2023	PART NO.	5420101XXXX	C
 SIZE A4 SHEET 3/3	REV.	C	CODE:	52	CUSTOMER:

	C	ECN-2307043(QUEENIE)SEE PAGE 1/3	17JUL2023
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ZONE	REVISION	DESCRIPTION	DATE