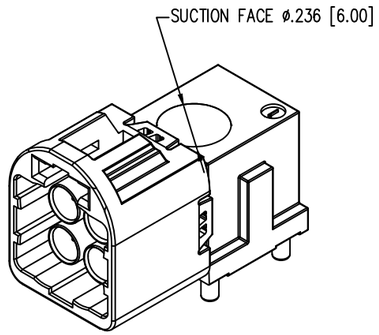
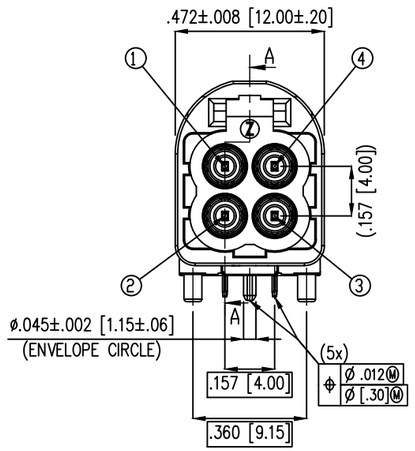
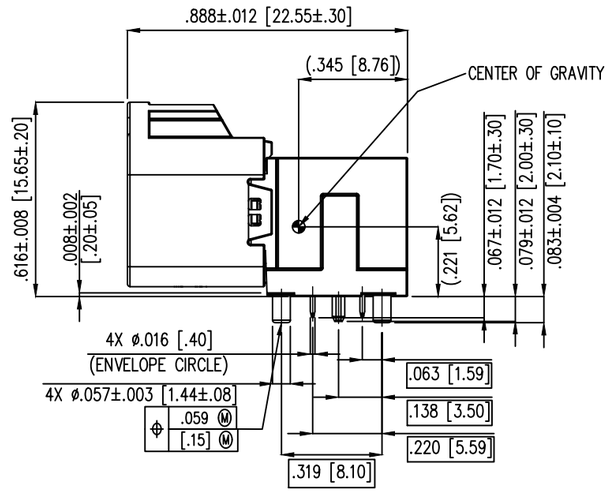
DATE	REV	ECN	APP'D BY
10/3/2024	A00	12447	GL







NOTES:

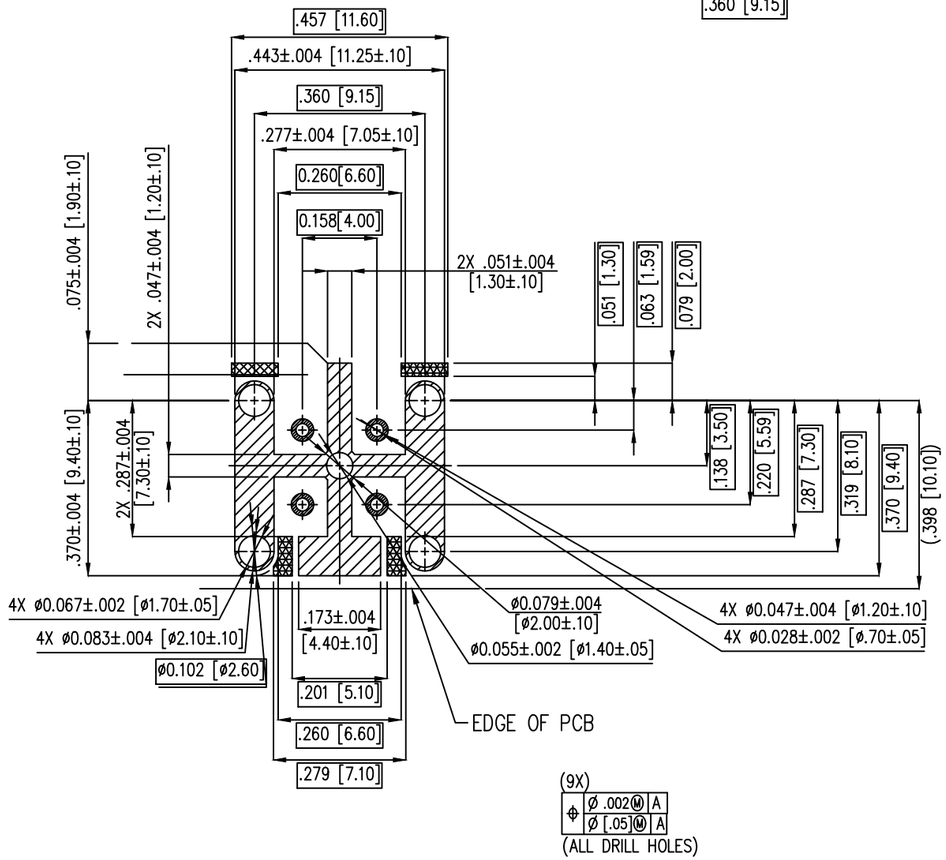
1. MATERIAL
   DIELECTRIC: LCP
   HOUSING: PA
   CENTER CONTACTS: BRASS
   OUTER CONTACT (INTERFACE): STAINLESS STEEL
   OUTER CONTACT (PCB): ZAMAK
   OUTER CONTACT (SHEET): BRASS

2. PLATING
   CENTER CONTACT: CONTACT AREA: 6u" Au
   SOLDER TAILS: 80~160u" Sn(MATTE)
   UNDERPLATE: 80~160u" Ni
   OUTER CONTACT (INTERFACE): 120~240u" Sn(MATTE)
   OVER 40~120u" Ni
   OUTER CONTACT (PCB): 80~200u" Sn(MATTE)
   OVER 120~240u" Ni
   OVER 600~800u" Cu
   OUTER CONTACT (SHEET): 80~160u" Sn(MATTE)
   OVER 80~160u" Ni

3. ELECTRICAL
   IMPEDANCE: 50Ω
   FREQUENCY: DC to 9.0 GHz
   INSULATION RESISTANCE: 1000MΩ MIN AT 500VDC
   CENTER CONTACT RESISTANCE: 15mΩ MAX AT 20mV MAX
   OUTER CONTACT RESISTANCE: 7.5mΩ MAX AT 20mV MAX
   WITHSTANDING VOLTAGE: AC 800Vrms MIN 60Hz
   VOLTAGE RATING: AC 335Vrms
   CURRENT RATING: 1.0A MAX

4. MECHANICAL
   DURABILITY: ≥25 CYCLES
   ENGAGEMENT FORCE: ≤ 45N
   DISENGAGEMENT FORCE: ≥ 5N
   RETENTION FORCE LATCH: ≥ 110N
   CODING EFFICIENCY: ≥150N

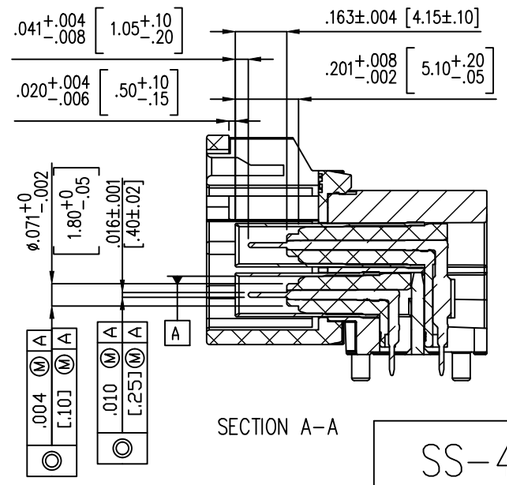
5. ENVIRONMENTAL
   TEMPERATURE RANGE: −40°C TO +105°C



RECOMMENDED PCB LAYOUT

SOLDER AREA 5X

STAND OFF AREA, FREE OF SOLDER 4X



SECTION A−A

SS−40421−001	6μ" [0.15μm] Au
PART NUMBER	CONTACT PLATING IN MATING AREA

RoHS

stewart CONNECTOR a bel group
11118 Susquehanna Trail South
Glen Rock, PA 17327−9199
(717) 235−7512
http://www.stewartconnector.com

THIRD ANGLE PROJECTION

TITLE: Mini FAKRA RIGHT ANGLE PLUG 2x2 PCB Conn. A−TYPE (Water Blue, Z Coded)

DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE

DIMENSIONS: INCHES [METRIC]

TOLERANCES UNLESS OTHERWISE NOTED
2 PLC. DEC. ±.02 [0.5]
3 PLC. DEC. ±.012 [0.30]
4 PLC. DEC. ±.0079 [0.200]
ANGLES ± 5°

DO NOT SCALE DRAWING

PART NUMBER: SS−40421−001

DRAWING NUMBER: CT740280

DRWN BY: BR	DATE 9/26/24	
CHKD BY: BR	DATE 9/26/24	
APPD BY: KW	DATE 9/26/24	
SHEET 1 OF 1	REV. A00	

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AutoCAD

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